

The logo consists of the letters 'XAFMI' in a bold, 3D, metallic font. The letters are arranged vertically and have a reddish-brown, brushed metal appearance with highlights and shadows that give them a three-dimensional effect. The background is a dark blue gradient with a complex geometric pattern of overlapping lines and shapes, including a large green 'V' shape and various circular and rectangular patterns in lighter blue and green tones.

Electro-industrial Production and Supply

Our Company



The company GIMAX started in Italy in August 1990 with the production of electronic ballasts as power supply for fluorescent lamps. In 1991, the first range of products was presented related to **tubular lamps** for portable and fix use for the building and industrial sector, using as basic components unbreakable **polycarbonate** for the screens and **butyl rubber** for the sleeves and the caps. The choice of these two basic components is tied to the fact that these materials are particularly suited for the use in the construction and the industrial sector; in these working areas where the use of materials is extremely hard, the GIMAX products are particularly appreciated for their reliability, safety and quality.

In 1993, completing a catalogue already full of items for safety lighting, GIMAX begins the production of **electrical panels for distribution and transformers** in casings of **hard butyl rubber** from his own project and mould.

GIMAX operates through a network of salespersons that visit the clients on a daily basis taking note of their needs and requests; these are then passed on in the company to the technical/commercial department, that develops custom-made solutions and offers. The distinctive feature of GIMAX is in fact the production of items custom made to the direct requests and needs of the clients in order to fully satisfy their demands; Also thanks to the experience of the direct contact with the final user, GIMAX has been able to improve continuously the quality of its own products and to increase also its number.

GIMAX has recently moved its establishment to a new one in Pietrasanta with more than 200m² office-space and more than 2.000m² stock- and production-space, in order to organise the developing, the storage and the production of the materials better. With the wish to offer products and services with a growing quality, GIMAX has obtained the certification from the agency **TÜV ITALIA** for its own **system of managing the company quality** in accordance with the regulations "**UNI EN ISO 9001:2008**".

GIMAX



THE GIMAX PRODUCTS

- ELECTRICAL PANELS "ACS" - "AS" - "ANS" FOR DISTRIBUTION IN HARD BUTYL RUBBER FOR FIX, MOVABLE AND PORTABLE USE.
- TRANSFORMER PANELS FOR SAFETY / INSULATION FOR FIX, MOVABLE AND PORTABLE USE.
- INDUSTRIAL AND CONSTRUCTION SECTOR LIGHTING.
- ELECTRIC CABLE REELS IN BUTYL RUBBER.
- ELECTRICAL ACCESSORIES AND CABLES, PLUGS, SOCKETS, ETC...

AX

As indicated earlier, in the concept of every GIMAX product the presence of the experience of the final user is predominant; thanks to the collaboration between the client and our technical office, the ideas that are developed in our products, confirm: **convenience, reliability, safety**, easy employment and reason. The advantage of using a GIMAX product lies in the **price – service ratio** understood as:

- **DURABILITY**
- **SUPERIOR TECHNIQUES**
- **MORE SAFETY AND RELIABILITY**
- **LESS MAINTENANCE WORK**

The big versatility of the product allows to operate in any sector: general industry, naval industry, construction sector, military, civil protection, red cross, fire department, regions, provinces, cities, etc...

HOW GIMAX OPERATES

The sales network of the company GIMAX is based on employed sales personnel that visits the clients on a daily basis, taking note of any need or request; these are then passed on to the technical/commercial office of the company, where the custom made solution and offer is prepared for the requested item.

The experience of the direct contact with the final user has allowed GIMAX to improve continuously the quality and to increase the number of products. The material is chosen and studied to resolve specific problems of the user on the workplace.

The salespersons of GIMAX have a large knowledge of the products thanks to their experience and with the help of samples it is possible to analyze the problems of the client, to suggest solutions and verify them with a demonstration of the product directly on place.

Thanks to this way of operating, GIMAX is present in several sectors like:

- **BUILDING SECTOR**
- **NAVAL SECTOR**
- **INDUSTRIAL SECTOR**
- **REFINERY**
- **PUBLIC AND PRIVATE AGENCIES**
- **MILITARY SECTOR**
- **CINEMATIC SECTOR**
- **PRODUCTION OF MACHINE TOOLS**



General Information

BUTYL RUBBER

The frameworks, used for the wall- and portable electrical panels, the transformer panels and the light fixtures, are made of butyl rubber, excellent for electrical purposes thanks to its characteristics. In the analysis of the distinctive features of this rubber a high resistance is noted against oils, acids, gasoline and industrial solvents, and also an excellent resistance against ageing. Self-extinguishing. Temperature ranges with relating employment at the most various temperatures (from -20°C to $+80^{\circ}\text{C}$) do not compromise the basic features. Considerable importance needs to be given also to the strong mechanic resistance of the frameworks against shocks, pulling, crushing and rough treatment, outstanding completely any other framework in plastic, pvc or metal in regards to the quality / price ratio.

Base in rubber with recessed perimetral gasket; cover with appropriate gasket, that coupling it to the one of the base, guarantees double insulation and the degree of protection (IP65). Internal predisposition for wall-attachment. The rubber frameworks have been tested and have passed the test of resistance of the glowing thread GLOW WIRE TEST 960° . The modularity of the framework and the modest sizes allow various employment in the industrial, construction and naval sector. Aside from the excellent resistance against flames, coupled to the low toxicity of gasses and to the self-extinguishing, it can also be used in closed and open public (theatres, cinema, concert halls, sports-centers, metros, etc.).



COVERS

In transparent unbreakable polycarbonate with closure springs in stainless steel AISI 304 and gasket to guarantee a protection degree upto IP65 (Regulations IEC 529 and CEI 70-1 to EN 60529). Modular housing capacity of switches from 2 to 18 DIN modules.

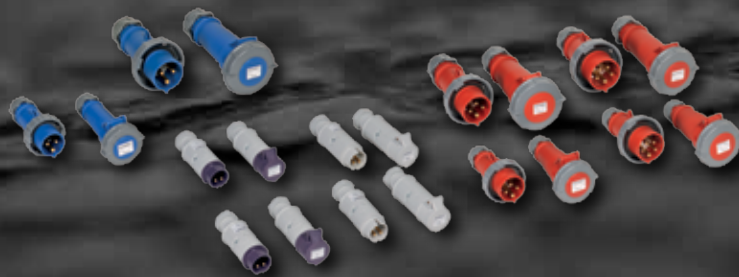


SCREWS

Anti-loss fixing screws of the rubber covers of the frameworks are in stainless steel AISI 304 on brass OT58 inserts die-cast in rubber during moulding stage; fixing screws set in nylon or plastified metal for a complete insulation of the parts with voltage, to guarantee class II of the assembled product.

SOCKETS AND PLUGS

In compliance with the international regulations IEC 309-1 and 309-2 and EN60309-1 and 60309-2. The sockets and plugs, that are used, in the more common versions, are certified by the Istituto Italiano Marchio di Qualità-IMQ, or by the most important European certificates VDE, SEMKO, FI, NEMKO, OVE, KEMA and CEBEC.



PROTECTIONS

Thermomagnetic and differential switches to protect the distribution circuits in fix or portable use according to the regulations and the certificates of the Istituto Italiano Marchio di Qualità-IMQ, or by the most important European certificates VDE, CEBEC, FI, UTE, OVE, etc.



CARPENTRY

Frameworks in steel plates S.235JR (UNI EN 10025/2005) (Fe360B) with minimum thickness 20/10, conveniently cold-bended and welded electrically to form highly resistant profiles and bands. Conveniently re-inforced in the points with a big mechanical stress. In order to increase the superficial resistance against external elements, the following treatments are made:

1. **Degreasing of the raw framework with phosphate products**
2. **Blow-drying at 120°C.**
3. **Dry-painting with polyzinc film with a thickness of approx. 80/100micron color RAL 5010 (BLUE).**
4. **Firing at 180°C.**
5. **Cooling at room-temperature.**



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Electrical panels for construction sites (ACS)



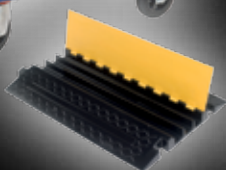
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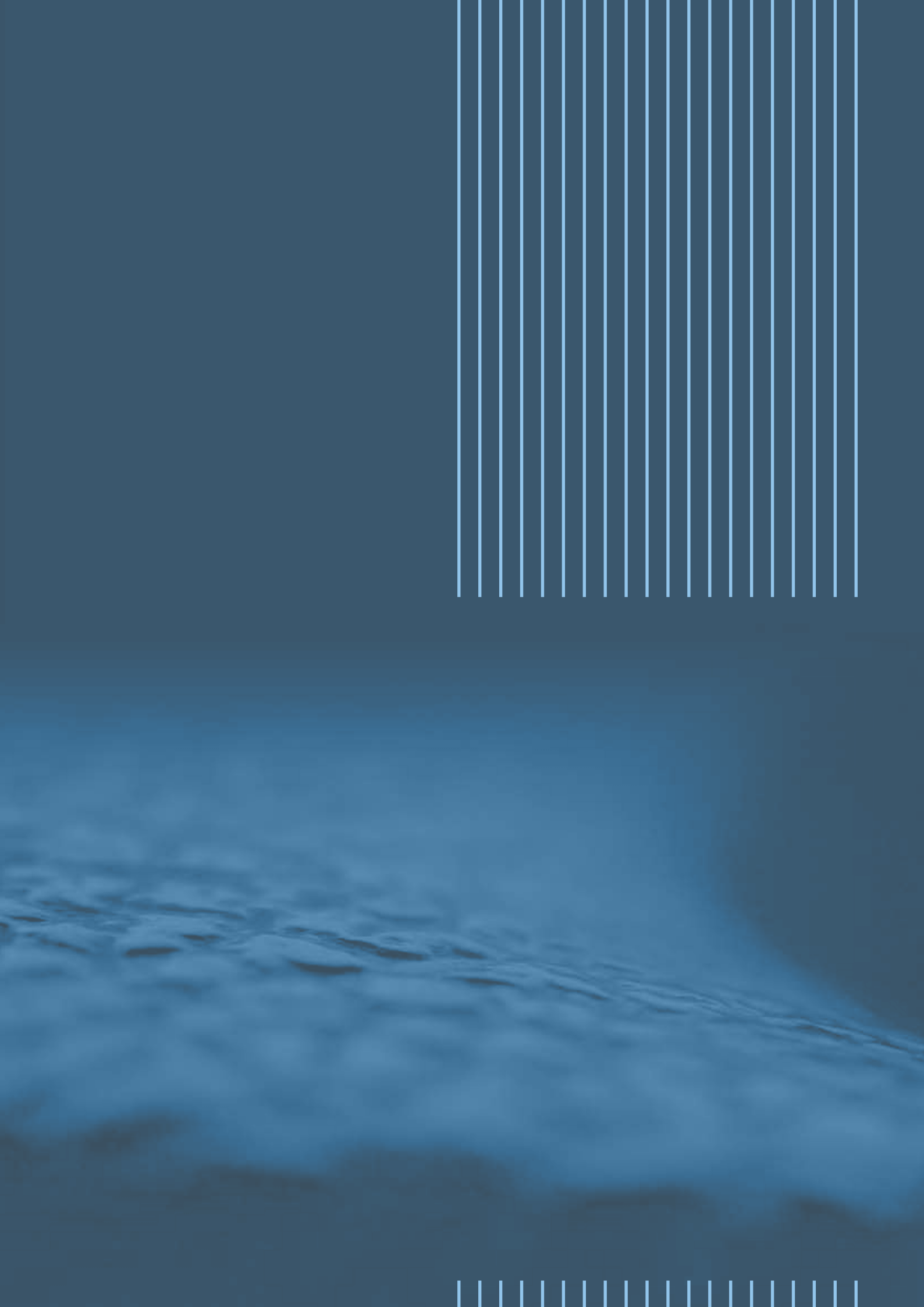


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ELECTRICAL WALL PANELS



ELECTRICAL WALL PANELS DISTRIBUTION

Features

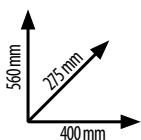
- Framework double insulated in hard **butyl rubber**, protection degree **IP65**.
- Metal brackets for wall-attachment.
- Covers in unbreakable transparent polycarbonate with spring closure for modular switches.
- Access from above with cable-gland IP68, internal modular terminal blocks.
- Distribution with sockets **CEE P17** IP67 or in terminal block with output through cable-gland IP68.
- Sockets protected by thermomagnetic circuit breakers.
- Manufactured according the regulations **CEI 17-13/1** EN 60439-1.

Series H30



series H30	General switch	Output in terminal block with thermomagnetic circuit breaker					
		100A	63A	40A	32A	16A	
Item		4P	4P	4P	4P	4P	2P
H3P125US	Thermomagnetic-Differential 4P 125A ldn 0,03-2A		1	1	1 therm-diff. 0,03A		4 therm-diff. 0,03A
H3P63US	Thermomagnetic-Differential 4P 63A ldn 0,3A		1		1	1	6 therm-diff. 0,03A
H3P290US		1 therm-diff. 0,3A	2 therm-diff. 0,3A		1 therm-diff. 0,3A		

N.B. Further combinations are possible on request.

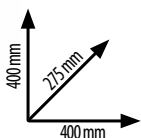


Series H10



series H10	General switch	Sockets CEE P17						
		125A	63A	32A		16A		
Item		3P+E	3P+E	3P+N+E	3P+E	3P+N+E	3P+E	2P+E
H1P125PJS1	Thermomagnetic-Differential 3P 125A ldn 0,03-2A	1 with electrical interlock	1 with electrical interlock					
H1P125PJS2	Thermomagnetic-Differential 3P 125A ldn 0,03-2A		2 with electrical interlock					
H1P100PJS	Differential 4P 100A ldn 0,03A		1 with electrical interlock				1	2

N.B. Further combinations are possible on request.



ELECTRICAL WALL PANELS DISTRIBUTION

Features

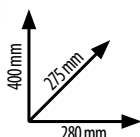
- Framework double insulated in hard **butyl rubber**, protection degree **IP65**.
- Metal **brackets** for wall-attachment (series H7).
- Covers in unbreakable transparent polycarbonate with spring closure for modular switches.
- Access with cable-gland IP68, internal modular terminal blocks.
- Distribution with sockets **CEE P17** IP67.
- Sockets protected by thermomagnetic circuit breakers.
- Manufactured according the regulations **CEI 17-13/1 EN 60439-1**.

Series H7



series H7	General switch	Sockets CEE P17							
		125A		63A	32A		16A		
Item		3P+N+E	3P+E	3P+E	3P+N+E	3P+E	3P+N+E	3P+E	2P+E
H7P125PJS1	Thermomagnetic - Differential 3P 125A I _{dn} 0,03-2A		1 with electrical interlock						
H7P125PJS2	Thermomagnetic - Differential 4P 125A I _{dn} 0,03-2A		1 with electrical interlock						
H7P100PJS	Differential 4P 100A I _{dn} 0,03A			1 with electrical interlock		1			

N.B. Further combinations are possible on request.

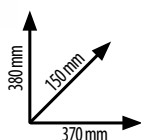


Series LAMBDA



series LAMBDA	General switch	Sockets CEE P17						
		63A		32A		16A		
Item		3P+N+E	3P+E	3P+N+E	3P+E	3P+N+E	3P+E	2P+E
LAP100PS1	Differential 4P 100A I _{dn} 0,03A		1		1		1	1
LAP100PS2	Differential 4P 100A I _{dn} 0,03A		1		1			1
LAP63PIS	Differential 4P 63A I _{dn} 0,03A				1 Interlocked		1 Interlocked	1 Interlocked
LAP63PS	Differential 4P 63A I _{dn} 0,03A			1	1		1	3
LAP40PS	Differential 4P 40A I _{dn} 0,03A							8

N.B. Further combinations are possible on request.



ELECTRICAL WALL PANELS DISTRIBUTION

Features

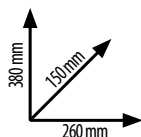
- Framework double insulated in hard **butyl rubber**, protection degree **IP65**.
- Covers in unbreakable transparent polycarbonate with spring closure for modular switches.
- Access with cable-gland IP68, internal modular terminal blocks.
- Distribution with sockets **CEE P17** IP67.
- Sockets protected by thermomagnetic circuit breakers.
- Manufactured according the regulations **CEI 17-13/1 EN 60439-1**.

Series DELTA



Item	General switch	Sockets CEE P17						
		63A		32A		16A		
		3P+N+E	3P+E	3P+N+E	3P+E	3P+N+E	3P+E	2P+E
DEP63PS1	Differential 4P 63A I _{dn} 0,03A				1		1	2
DEP63PS2	Differential 4P 63A I _{dn} 0,03A			1				3
DEP40PS1	Differential 4P 40A I _{dn} 0,03A						2	2
DEP40PS2	Differential 4P 40A I _{dn} 0,03A				1			2
DEP63PJS1	Differential 4P 63A I _{dn} 0,03A		1 with electrical interlock					
DEP63PIS	Differential 4P 63A I _{dn} 0,03A				1 Interlocked		1 Interlocked	
DEP40PIS	Thermomagnetic - Differential 4P 40A I _{dn} 0,03A							2 Interlocked

N.B. Further combinations are possible on request.

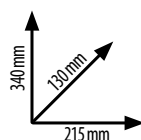


Series SIGMA



Item	General switch		Sockets CEE P17				
	DIFF. I _{dn} 0,03A	UNIFIED THERM- DIFF. I _{dn} 0,03A	32A		16A		
			3P+N+E	3P+E	3P+N+E	3P+E	2P+E
SIP40PS1	4P 40A					1	1
SIP40PS2	4P 40A					1	3
SIP16PS1		3P 16A				2	
SIP16PS2		1P+N 16A					4

N.B. Further combinations are possible on request.



Features

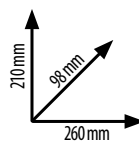
- Framework double insulated in hard **butyl rubber**, protection degree **IP65**.
- Covers in unbreakable transparent polycarbonate with spring closure for modular switches.
- Access with cable-gland IP68, internal modular terminal blocks.
- Distribution with sockets **CEE P17** IP67.
- Sockets protected by thermomagnetic circuit breakers.
- Manufactured according the regulations **CEI 17-13/1 EN 60439-1**.

Series TAU



series TAU	General switch		Sockets CEE P17				
	DIFF. I _{dn} 0,03A	UNIFIED THERM- DIFF. I _{dn} 0,03A	32A		16A		
			3P+N+E	3P+E	3P+N+E	3P+E	2P+E
Item							
TAP16P1		4P 16A				1	1
TAP16P2		1P+N 16A					4

N.B. Further combinations are possible on request.

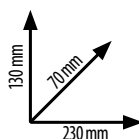


Series PRISMA*



series PRISMA	General switch		Sockets CEE P17				
	THERM.	UNIFIED THERM- DIFF. I _{dn} 0,03A	32A		16A		
			3P+N+E	3P+E	3P+N+E	3P+E	2P+E
Item							
PRP16P1		1P+N 16A					3
PRP16P2		1P+N 16A					2
PRP16P3	3P 16A					1	

N.B. Further combinations are possible on request.



* Series PRISMA framework double insulated in butyl rubber, protection degree IP54.

ELECTRICAL WALL PANELS TRANSFORMER

Features

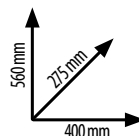
- Framework double insulated in hard **butyl rubber**, protection degree **IP65**.
- Metal **brackets** for wall-attachment.
- Covers in unbreakable transparent polycarbonate with spring closure for modular switches.
- Access with cable-gland IP68, internal modular terminal blocks.
- Distribution with sockets **CEE P17 IP67**.
- Sockets protected by thermomagnetic circuit breakers or fuse switches.
- Manufactured according the regulations **CEI 17-13/1 EN 60439-1**.
- Internal transformers manufactured according the regulations **CEI EN 61558-1, 61558-2-4, 61558-2-6**.

Series H30



Item	Single-phase Transformer	Sockets CEE P17 Protected by THERMOMAGNETICS				
		16A 2P+E 230V	32A 2P 48V	16A 2P 48V	32A 2P 24V	16A 2P 24V
H3P600SPS42	400/24-48V 6000V A			4	4	
H3P500SPS48	400/48V 5000V A		2	2		4
H3P400IPS23	400/230V 4000V A	1				

N.B. Further combinations are possible on request.

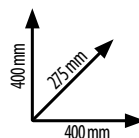


Series H10



Item	Single-phase Transformer	Sockets CEE P17 Protected by THERMOMAGNETICS				
		16A 2P+E 230V	32A 2P 48V	16A 2P 48V	32A 2P 24V	16A 2P 24V
H1P300SPS48	400/48V 3000V A			4		
H1P300SPS42	400/24-48V 3000V A			2		2
H1P300IPS23	400/230V 3000V A	1				

N.B. Further combinations are possible on request.



ELECTRICAL WALL PANELS TRANSFORMER

Features

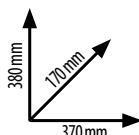
- Framework double insulated in hard **butyl rubber**, protection degree **IP65**.
- Metal **brackets** for wall-attachment.
- Covers in unbreakable transparent polycarbonate with spring closure for modular switches.
- Access with cable-gland IP68, internal modular terminal blocks.
- Distribution with sockets **CEE P17** IP67.
- Sockets protected by thermomagnetic circuit breakers or fuse switches.
- Manufactured according the regulations **CEI 17-13/1 EN 60439-1**.
- Internal transformers manufactured according the regulations **CEI EN 61558-1, 61558-2-4, 61558-2-6**.

Series LAMBDA



series LAMBDA	Single-phase Transformer	Sockets CEE P17 Protected by THERMOMAGNETICS				
		16A 2P+E 230V	32A 2P 48V	16A 2P 48V	32A 2P 24V	16A 2P 24V
Item	Protected by thermomagnetic switch					
LAP160SPS48	230/48V 1600V A			4		
LAP160SPS24	230/24V 1600V A					4
LAP160IPS23	400/230V 1600V A	1				
LAP160SPS421	230/24 - 48V 1600V A			2		2
LAP160SPS422	400/24 - 48V 1600V A		1		2	

N.B. Further combinations are possible on request.

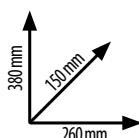


Series DELTA



series DELTA	Single-phase Transformer	Sockets CEE P17 Protected by FUSES				
		16A 2P+E 230V	32A 2P 48V	16A 2P 48V	32A 2P 24V	16A 2P 24V
Item	Protected by thermomagnetic switch					
DEP100SPS48	400/48V 1000V A			2		
DEP100SPS482	230/48V 1000V A		1			
DEP100SPS24	230/24V 1000V A					2
DEP50SPS42	400/24-48V 500V A			1		1
DEP100IPS23	400/230V 1000V A	1 Therm.-mag.	1		2	

N.B. Further combinations are possible on request.



ELECTRICAL WALL PANELS TRANSFORMER

Features

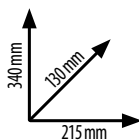
- Framework double insulated in hard **butyl rubber**, protection degree **IP65**.
- Metal **brackets** for wall-attachment.
- Covers in unbreakable transparent polycarbonate with spring closure for modular switches.
- Access with cable-gland IP68, internal modular terminal blocks.
- Distribution with sockets **CEE P17** IP67.
- Sockets protected by fuse switches.
- Manufactured according the regulations **CEI 17-13/1** EN 60439-1.
- Transformers manufactured according the regulations **CEI EN 61558-1, 61558-2-4, 61558-2-6**.

Series SIGMA



series SIGMA	Single-phase Transformer	Sockets CEE P17				
		16A 2P+E 230V	32A 2P 48V	16A 2P 48V	32A 2P 24V	16A 2P 24V
Item	Protected by thermomagnetic switch					
SIP25SPS241	230/24V 250V A					2
SIP25SPS242	230/24V 250V A					1
SIP25SPS48	230/48V 250V A			1		

N.B. Further combinations are possible on request.

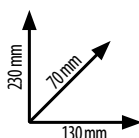


Series PRISMA*



series PRISMA	Single-phase Transformer	Sockets CEE P17 IP44				
		16A 2P+E 230V	32A 2P 48V	16A 2P 48V	32A 2P 24V	16A 2P 24V
Item	Protected by fuse					
PRP16SP24	230/24V 160V A					1
PRP10SP24	230/24V 100V A					1
PRP10SP48	230/48V 100V A			1		

N.B. Further combinations are possible on request.



*Series PRISMA framework double insulated in butyl rubber, protection degree IP54.

Features

- Framework double insulated in hard **butyl rubber**, protection degree **IP65**.
- Metal **brackets** for wall-attachment.
- Covers in unbreakable transparent polycarbonate with spring closure for modular switches.
- Access with cable-gland IP68, internal modular terminal blocks.
- Distribution with sockets **CEE P17** IP67.
- Sockets protected by thermomagnetic circuit breakers.
- Manufactured according the regulations **CEI 17-13/1 EN 60439-1**.
- Transformers manufactured according the regulations **CEI EN 61558-1, 61558-2-4, 61558-2-6**.

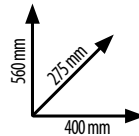
Series H30



From transf. of insulation -safety 4k VA

Item	General switch	Sockets CEE P17				
		63A	32A	16A		
		3P+T 400V	3P+T 400V	From transf. of insulation -safety 4k VA		
				2P+T 230V	2P 48V	2P 24V
H3P63ISPS1	Thermomagnetic - Differential 3P 63A I _{dn} 0,3A	1		1	1	1
H3P63ISPS2	Thermomagnetic - Differential 3P 63A I _{dn} 0,3A	1		1		3 32A
H3P32ISPS	Thermomagnetic - Differential 3P 32A I _{dn} 0,03A		1	1	2	

N.B. Further combinations are possible on request.

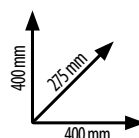


Series H10



Item	General switch	Sockets CEE P17		
		63A	32A	16A
		3P+T 400V	3P+T 400V	2P+T 230V From transf. of insulation 2k VA
H1P63IPS1	Differential 4P 63A I _{dn} 0,3A	1		1
H1P40IPS2	Differential 4P 40A I _{dn} 0,03A		1	1
H1P40IPS3	Differential 4P 40A I _{dn} 0,03A		1	1 from transformer 1000V A

N.B. Further combinations are possible on request.



ELECTRICAL WALL PANELS DISTRIBUTION AND TRANSFORMER

Features

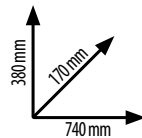
- Framework double insulated in hard **butyl rubber**, protection degree **IP65**.
- Metal **brackets** for wall-attachment.
- Covers in unbreakable transparent polycarbonate with spring closure for modular switches.
- Access with cable-gland IP68, internal modular terminal blocks.
- Distribution with sockets **CEE P17** IP67.
- Sockets protected by thermomagnetic circuit breakers.
- Manufactured according the regulations **CEI 17-13/1 EN 60439-1**.
- Transformers manufactured according the regulations **CEI EN 61558-1, 61558-2-4, 61558-2-6**.

Series LAMBDA-D



Item	General switch	Sockets CEE P17				
		63A 3P+E 400V	32A 3P+E 400V	16A 2P+E 230V	16A From transformer safety 1600 VA 2P 48V 2P 24V	
LAD63SPS48	Thermomagnetic - Differential 4P 63A I _{dn} 0,03A	1	1	1	4	
LAD63SPS42	Thermomagnetic - Differential 4P 63A I _{dn} 0,03A	1	2		2	2
LAD32SPS48	Thermomagnetic - Differential 3P 32A I _{dn} 0,03A		3			4

N.B. Further combinations are possible on request.

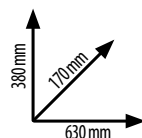


Series LAMBDA-DELTA



Item	General switch	Sockets CEE P17				
		32A 3P+E 400V	16A 3P+E 400V	16A 2P+E 230V	16A From transformer safety 1k V A 2P 48V 2P 24V	
LDD63SPS24	Differential 3P 63A I _{dn} 0,03A	1	2	3		2
LDD63SPS42	Differential 3P 63A I _{dn} 0,03A	2	1		1	1
LDD40SPS48	Thermomagnetic - Differential 4P 40A I _{dn} 0,03A	1		5	2	

N.B. Further combinations are possible on request.



ELECTRICAL WALL PANELS DISTRIBUTION AND TRANSFORMER

Features

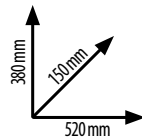
- Framework double insulated in hard **butyl rubber**, protection degree **IP65**.
- Metal **brackets** for wall-attachment.
- Covers in unbreakable transparent polycarbonate with spring closure for modular switches.
- Access with cable-gland IP68, internal modular terminal blocks.
- Distribution with sockets **CEE P17** IP67.
- Sockets protected by thermomagnetic circuit breakers.
- Manufactured according the regulations **CEI 17-13/1 EN 60439-1**.
- Transformers manufactured according the regulations **CEI EN 61558-1, 61558-2-4, 61558-2-6**.

Series DELTA-D



Item	General switch	Sockets CEE P17				
		63A 3P+E 400V	32A 3P+E 400V	16A 2P+E 230V	16A From transformer safety 1k V A 2P 48V 2P 24V	
DEDP63SPS42	Differential 4P 63A I _{dn} 0,03A	1		1	1	1
DEDP63SPS24	Differential 4P 63A I _{dn} 0,03A		1	1		2
DEDP40SPS48	Differential 4P 40A I _{dn} 0,03A			3	2	

N.B. Further combinations are possible on request.

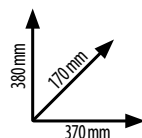


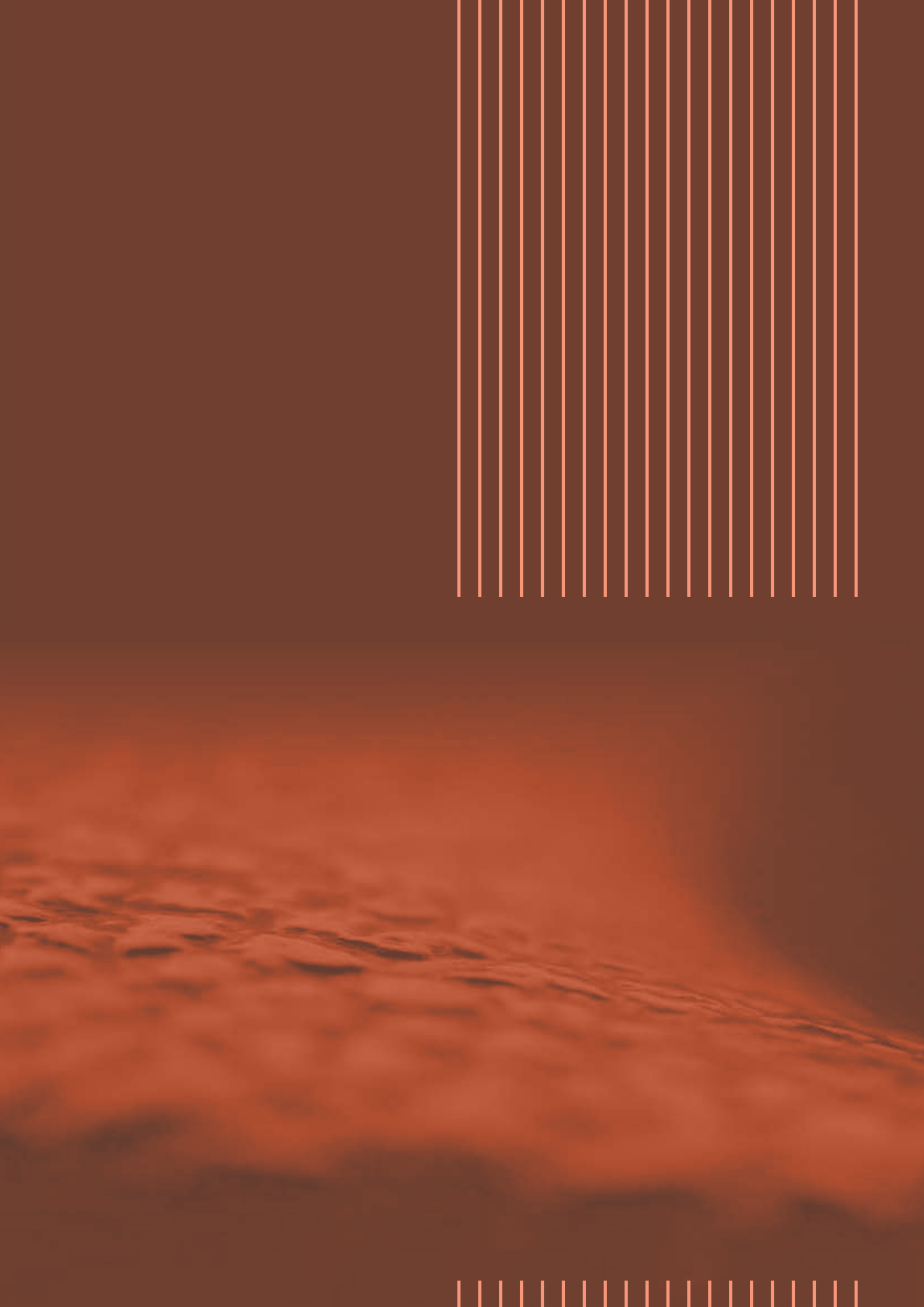
Series LAMBDA



Item	General switch	Sockets CEE P17				
		63A 3P+E 400V	32A 3P+E 400V	16A 2P+E 230V	16A From transformer safety 500 V A 2P 48V 2P 24V	
LAP63SPS24	Differential 4P 63A I _{dn} 0,03A	1				1
LAP40SPS48	Differential 4P 40A I _{dn} 0,03A		1		1	
LAP40SPS42	Differential 4P 40A I _{dn} 0,03A			2	1	1

N.B. Further combinations are possible on request.





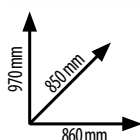
MOVABLE AND PORTABLE ELECTRICAL PANELS



Features

- Metal trolleys with supporting frame in plates 20/10 mm with panels to support the components in PVC thickness 10 mm, eyebolts for the lifting and rubberized wheels.
- Covers in unbreakable transparent polycarbonate with spring closure for modular switches.
- Distribution with sockets **CEE P17** IP67, equipped with warning lights to indicate the presence of voltage.
- Sockets protected by thermomagnetic-differential circuit breakers.
- Protection degree **IP44** to be advanced.
- Manufactured according the regulations **CEI 17-13/1** EN 60439-1.
- Instrumentation on request.

Series CM4



Other dimensions from the standard ones are subject to the type of set up.

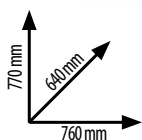
series CM4	Power-supply	Sockets CEE P17						
		125A		63A		32A		
		3P+N+E	2P+E	3P+N+E	2P+E	3P+N+E	3P+E	2P+E
Item	Through powerlock 3P+N+E 400V 400A							
CM4400PPS	General thermomagnetic 4P 400A Line relaunch 400A with powerlock	2	1	3		3		
CM4400PS1	General thermomagnetic 4P 400A	2	3	6				
CM4400PS2	General thermomagnetic 4P 400A			9				

N.B. Further combinations are possible on request.

Features

- Metal trolleys with supporting frame in plates 20/10 mm with panels to support the components in PVC thickness 10 mm, eyebolts for the lifting and rubberized wheels.
- Covers in unbreakable transparent polycarbonate with spring closure for modular switches.
- Distribution with sockets **CEE P17** IP67, equipped with warning lights to indicate the presence of voltage.
- Sockets protected by thermomagnetic-differential circuit breakers.
- Protection degree **IP44** to be advanced.
- Instrumentation on request.
- Manufactured according the regulations **CEI 17-13/1** EN 60439-1.

Series CM1



Other dimensions from the standard ones are subject to the type of set up.

series CM1	Power-supply	Sockets CEE P17						
		125A		63A		32A		
		3P+N+E	2P+E	3P+N+E	2P+E	3P+N+E	3P+E	2P+E
Item	Through powerlock 3P+N+E 400V 400A							
CM1400PS	General thermomagnetic 4P 400A	1		3		1		1
CM1250PS1	General thermomagnetic 4P 250A			2	1	2		3
CM1250PS2	General thermomagnetic 4P 250A			3		3		

N.B. Further combinations are possible on request.

Features

- Flightcase in naval plywood 10mm, trimmed in aluminium with corners protected by angle bars, panels to support the components in PVC thickness 10mm.
- Swivelling rubberized wheels, reclining recessed lateral handles.
- Opening of the flightcase with two covers, closure through eight lowered clasps.
- Covers in unbreakable transparent polycarbonate with spring closure for modular switches.
- Distribution with sockets **CEE P17** IP67, equipped with warning lights to indicate the presence of voltage.
- Sockets protected by thermomagnetic-differential circuit breakers.
- Instrumentation and emergency switch on request.
- Protection degree **IP32**.
- Manufactured according the regulations **CEI 17-13/1** EN 60439-1

Series FLC



series FLC	Power-supply	Sockets CEE P17						
		63A		32A		16A		
		3P+N+E	2P+E	3P+N+E	2P+E	3P+N+E	3P+E	2P+E
Item	Through powerlock 3P+N+E 400V 400A							
FLC400PS1	General thermomagnetic 4P 400A	3		5	1			4
FLC400PS2	General thermomagnetic 4P 400A	9		3				6
FLC250PS	General thermomagnetic 4P 250A	3		3	3			3

N.B. Further combinations are possible on request. **SIZES:** Subject to the type of set up.








MOVABLE ELECTRICAL PANELS DISTRIBUTION

Features

- Flightcase in naval plywood 10mm, trimmed in aluminium with corners protected by angle bars.
- Swivelling rubberized wheels, reclining recessed lateral handles.
- Opening of the flightcase with two covers, closure through eight lowered clasps.
- Components set in **framework double insulated in hard butyl rubber**.
- Covers in unbreakable transparent polycarbonate with spring closure for modular switches.
- Distribution with sockets **CEE P17 IP67**, equipped with warning lights to indicate the presence of voltage.
- Sockets protected by thermomagnetic-differential circuit breakers.
- Instrumentation and emergency switch on request.
- Protection degree **IP65**.
- Manufactured according the regulations **CEI 17-13/1 EN 60439-1**

Series FLG



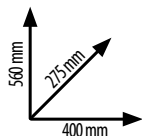
series FLG	Power-supply	Sockets CEE P17						
		63A		32A		16A		
		3P+N+E 	2P+E 	3P+N+E 	2P+E 	3P+N+E 	3P+E 	2P+E 
FLG400PPS	Powerlock 3P+N+E 400V 400A General thermomagnetic 4P 400A Line relaunch 250A with powerlock 3P+N+E 400V 400A	6		9	3			6
FLG125PIS	Socket CEE P17 3P+N+E 400V 125A General thermomagnetic 4P 125A			3 INTERLOCKED		7 INTERLOCKED		8 INTERLOCKED
FLG63PS	Socket CEE P17 3P+N+E 400V 63A General thermomagnetic 4P 63A			1	3	2		4

N.B. Further combinations are possible on request. **SIZES:** Subject to the type of set up.

Features

- Framework double insulated in hard **butyl rubber**, protection degree **IP65**.
- Covers in unbreakable transparent polycarbonate with spring closure for modular switches.
- Rubber handles for transport.
- Access with plug **CEE P17** IP67.
- Distribution with sockets **CEE P17** IP67.
- Sockets protected by thermomagnetic-differential circuit breakers.
- Manufactured according the regulations **CEI 17-13/1** EN 60439-1.

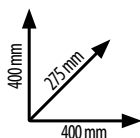
Series H30



series H30	Power-supply	Sockets CEE P17						
		63A		32A		16A		
Item	Through fix plug CEE P17	3P+N+E	3P+E	3P+N+E	3P+E	3P+N+E	3P+E	2P+E
H3M125PS1	3P+N+E 400V 125A Gen. Therm. 4P 125A	2		3				3
H3M125PS2	3P+N+E 400V 125A Gen. Therm. 4P 125A							20
H3M63PS	3P+N+E 400V 63A Gen. Therm. 4P 63A	1		1		1		6

N.B. Further combinations are possible on request.

Series H10



series H10	Power-supply	Sockets CEE P17							
		63A			32A		16A		
Item	Through fix plug CEE P17	3P+N+E	3P+E	2P+E	3P+N+E	3P+E	3P+N+E	3P+E	2P+E
H1M125PS2	3P+N+E 400V 125A Gen. Therm. 4P 125A	3							
H1M63PS1	3P+N+E 400V 63A Gen. Therm. 4P 63A			6					
H1M63PS2	3P+N+E 400V 63A Gen. Therm. 4P 63A				3				6

N.B. Further combinations are possible on request.

Features

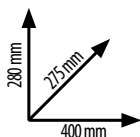
- Framework double insulated in hard **butyl rubber**, protection degree **IP65**.
- Covers in unbreakable transparent polycarbonate with spring closure for modular switches.
- Rubber handles for transport.
- Access with plug **CEE P17** IP67.
- Distribution with sockets **CEE P17** IP67.
- Sockets protected by thermomagnetic circuit breakers.
- Manufactured according the regulations **CEI 17-13/1 EN 60439-1**.

Series H7



series H7	Power-supply	Sockets CEE P17 - With THERMOMAGNETIC-DIFFERENTIAL for protection						
		63A	32A		16A			
Item	Through fix plug CEE P17	2P+E	3P+N+E	3P+E	2P+E	3P+N+E	3P+E	2P+E
H7M63PS1	3P+N+E 400V 63A Gen. Therm. 4P 63A	3						
H7M63PS2	3P+N+E 400V 63A Gen. Therm. 4P 63A		2					
H7M63PS3	3P+N+E 400V 63A Gen. Therm. 4P 63A				6			
H7M63PS4	3P+N+E 400V 63A Gen. Diff. 4P 63A I _{dn} 0,03A			1 + THERM.			1 + THERM.	3 + THERM.
H7M32PS	3P+N+E 400V 32A Gen. Therm. 4P 32A				3			1

N.B. Further combinations are possible on request.

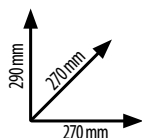


Series OMEGA



series OMEGA	Power-supply	Sockets CEE P17						
		63A		32A		16A		
Item	Through loose plug CEE P17 and 3mt cable H07RN-F	3P+N+E	3P+E	3P+N+E	3P+E	3P+N+E	3P+E	2P+E
OMM63PS1	3P+N+E 400V 63A Cable 4G16mm ² Gen. Diff. 4P 63A I _{dn} 0,03A		1		1			
OMM63PS2	3P+N+E 400V 63A fix plug Gen. Diff. 4P 63A I _{dn} 0,03A				1			2
OMM32PS1	3P+N+E 400V 32A Cable 5G6mm ² Gen. Diff. 4P 40A I _{dn} 0,03A						1	2
OMM32PS2	2P+E 230V 32A Cable 3G6mm ² Gen. Diff. 2P 40A I _{dn} 0,03A							6

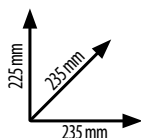
N.B. Further combinations are possible on request.



Features

- Framework double insulated in hard **butyl rubber**, protection degree **IP65**.
- Covers in unbreakable transparent polycarbonate with spring closure for modular switches.
- Rubber handles for transport.
- Access with plug **CEE P17** IP67 and 3m cable H07RN-F.
- Distribution with sockets **CEE P17** IP67.
- Sockets without single thermomagnetic circuit breaker protection.
- Manufactured according the regulations **CEI 17-13/1** EN 60439-1.

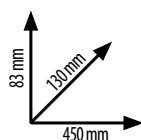
Series BETA



series BETA	Power-supply	General switch	Sockets CEE P17				
			32A		16A		
			3P+N+E	3P+E	3P+N+E	3P+E	2P+E
Item	Through loose plug CEE P17 and 3mt cable H07RN-F	UNIFIED THERM. DIFF. Idn 0,03A					
BEM16PS1	3P+N+E 400V 16A Cable 5G2,5mm ²	4P 16A				1	3
BEM16PS2	2P+E 230V 16A Cable 3G2,5mm ²	1P+N 16A					4

N.B. Further combinations are possible on request.

Series RETTANGOLO



series RETTANGOLO	Power-supply	General switch	Sockets CEE P17				
			32A		16A		
			3P+N+E	3P+E	3P+N+E	3P+E	2P+E
Item	Through loose plug CEE P17 and 3mt cable H07RN-F	UNIFIED THERM. DIFF. Idn 0,03A					
REM16PS1	2P+E 230V 16A Cable 3G2,5mm ²	1P+N 16A					4
REM16PS2	2P+E 230V 16A Cable 3G2,5mm ²	1P+N 16A					3
REM16PS3	3P+E 400V 16A Cable 4G2,5mm ²	3P 16A				2	

N.B. Further combinations are possible on request.

Features

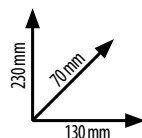
- Framework double insulated in hard **butyl rubber**, protection degree **IP54**.
- Covers in unbreakable transparent polycarbonate with spring closure for modular switches.
- Access with plug **CEE P17 IP67** and 3mt cable H07RN-F.
- Distribution with sockets **CEE P17 IP67**.
- Sockets without single thermomagnetic-circuit breaker protection.
- Manufactured according the regulations **CEI 17-13/1 EN 60439-1**.

Series PRISMA



series PRISMA	Power-supply	General switch	Sockets CEE P17 IP44				
			16A				
Item	Through loose plug CEE P17 IP44 and 3mt cable H07RN-F	THERM. DIFF. I _{dn} 0,03A	3P+N+E	3P+E	2P+E	2P 48V	2P 24V
PRM16P1	2P+E 230V 16A Cable 3G2,5mm ²	1P+N 16A			3		
PRM16P2	2P+E 230V 16A Cable 3G2,5mm ²	-			6		
PRM16P24	Fix plug 2P 24V 16A	-					4

N.B. Further combinations are possible on request.

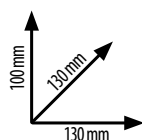


Series PIRAMIDE



series PIRAMIDE	Power-supply	General switch	Sockets CEE P17				
			16A				
Item	Through loose plug CEE P17 and 3mt cable H07RN-F	THERM. DIFF. I _{dn} 0,03A	3P+N+E	3P+E	2P+E	2P 48V	2P 24V
PIM16PS23	2P+E 230V 16A Cable 3G2,5mm ²	-			3		
PIM16PS40	3P+E 400V 16A Cable 4G2,5mm ²	-		3			
PIM16PS48	2P 48V 16A Cable 2X2,5mm ²	-				3	

N.B. Further combinations are possible on request.










MOVABLE ELECTRICAL PANELS TRANSFORMER

Features

- Metal trolleys with supporting frame in plates 20/10 mm with panels to support the components in PVC thickness 10 mm, eyebolts for the lifting and rubberized wheels.
- Covers in unbreakable transparent polycarbonate with spring closure for modular switches.
- Access with plug **CEE P17** IP67.
- Distribution with sockets **CEE P17** IP67.
- General thermomagnetic-differential circuit breaker, sockets protected by thermomagnetics.
- Protection degree **IP44** to be advanced.
- Manufactured according the regulations **CEI 17-13/1** EN 60439-1.
- Transformers manufactured according the regulations **CEI EN 61558-1, 61558-2-4, 61558-2-6**.

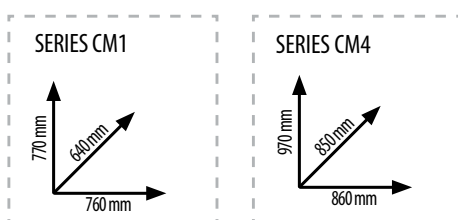
Series CM



series CM	Transformer	Sockets CEE P17						
		63A	32A	16A	32A	16A	32A	16A
Item		3P+N+E 	3P+N+E 	2P+E 230V 	2P 48V 	2P 48V 	2P 24V 	2P 24V 
CM16KSPS	Single phase for safety 6KVA 400/24-48V				3			3
CM112KSPS	Threephase for safety 12KVA 400/24-48V				3			6
CM425KIPS	Threephase for insulation 25KVA 400/400V		1					
CM545KIPS	Threephase for insulation 45KVA 400/400V	1						

N.B. Further combinations are possible on request.

SIZES



Other dimensions from the standard ones are subject to the type of set up.

Features

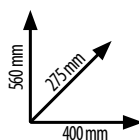
- Framework double insulated in hard **butyl rubber**, protection degree **IP65**.
- Covers in unbreakable transparent polycarbonate with spring closure for modular switches.
- Rubber handles for transport.
- Access with plug **CEE P17** IP67 and 3mt cable H07RN-F.
- Distribution with sockets **CEE P17** IP67.
- Transformer and sockets protected by thermomagnetic circuit breakers.
- Manufactured according the regulations **CEI 17-13/1** EN 60439-1.
- Transformers manufactured according the regulations **CEI EN 61558-1, 61558-2-4, 61558-2-6**.

Series H30



series H30	Transformer	Sockets CEE P17				
		16A 2P+E 230V	32A 2P 48V	16A 2P 48V	32A 2P 24V	16A 2P 24V
Item						
H3M500SPS42	Three phase for safety 5KVA 400/24-48V			3		3
H3M500SPS48	Single phase for safety 5KVA 230/48V		3			
H3M400IPS23	Single phase for insulation 4KVA 400/230V	1				

N.B. Further combinations are possible on request.

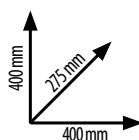


Series H10



series H10	Transformer	Sockets CEE P17				
		16A 2P+E 230V	32A 2P 48V	16A 2P 48V	32A 2P 24V	16A 2P 24V
Item						
H1M300SPS48	Single phase for safety 3000VA 230/48V		4			
H1M300SPS42	Single phase for safety 3000VA 230/24-48V			2		2
H1M250SPS24	Single phase for safety 2500VA 230/24V					6
H1M300IPS23	Single phase for insulation 3000VA 400/230V	1				

N.B. Further combinations are possible on request.



MOVABLE ELECTRICAL PANELS TRANSFORMER

Features

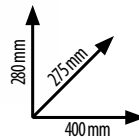
- Framework double insulated in hard **butyl rubber**, protection degree **IP65**.
- Covers in unbreakable transparent polycarbonate with spring closure for modular switches.
- Rubber handles for transport.
- Access with plug **CEE P17** IP67 and 3mt cable H07RN-F.
- Distribution with sockets **CEE P17** IP67.
- Transformer and sockets protected by thermomagnetic circuit breakers or fuse switches.
- Manufactured according the regulations **CEI 17-13/1** EN 60439-1.
- Transformers manufactured according the regulations **CEI EN 61558-1, 61558-2-4, 61558-2-6**.

Series H7



series H7	Transformer	Sockets CEE P17				
		16A	32A	16A	32A	16A
Item		2P+E 230V 	2P 48V 	2P 48V 	2P 24V 	2P 24V
H7M250SPS24	Single phase for safety 2500VA 230/24V					6
H7M250SPS42	Single phase for safety 2500VA 400/24-48V			2		2
H7M200SPS42	Single phase for safety 2000VA 230/24-48V		1			2
H7M200IPS23	Single phase for insulation 2000VA 400/230V	1				

N.B. Further combinations are possible on request.

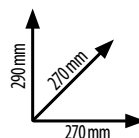


Series OMEGA



series OMEGA	Transformer	Sockets CEE P17 protected by fuses				
		16A	32A	16A	32A	16A
Item	Protected by general thermomagnetic	2P+E 230V 	2P 48V 	2P 48V 	2P 24V 	2P 24V
OM150SPS24	Single phase for safety 1500VA 400/24V					4
OM150SPS48	Single phase for safety 1500VA 230/48V			4		
OM150IPS	Single phase for insulation 1500VA 400/230V	1+THERM.				
OM100SPS42	Single phase for insulation 1000VA 230/48-24V			1		1

N.B. Further combinations are possible on request.



MOVABLE ELECTRICAL PANELS TRANSFORMER

Features

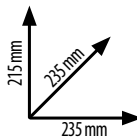
- Framework double insulated in hard **butyl rubber**, protection degree **IP65**.
- Covers in unbreakable transparent polycarbonate with spring closure for modular switches.
- Rubber handles for transport.
- Access with plug **CEE P17** IP67 and 3mt cable H07RN-F.
- Distribution with sockets **CEE P17** IP67.
- Protection by fuses (thermomagnetics on request).
- Manufactured according the regulations **CEI 17-13/1** EN 60439-1.
- Transformers manufactured according the regulations **CEI EN 61558-1, 61558-2-4, 61558-2-6**.

Series ALFA



Item	Transformer	Sockets CEE P17				
		16A 2P+E 230V	32A 2P 48V	16A 2P 48V	32A 2P 24V	16A 2P 24V
ALM100SPS48	Single phase for safety 1000VA 230/48V			2		
ALM100SPS42	Single phase for safety 1000VA 230/24V-48V		1			2
ALM100SPS24	Single phase for safety 1000VA 230/24V					4

N.B. Further combinations are possible on request.

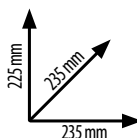


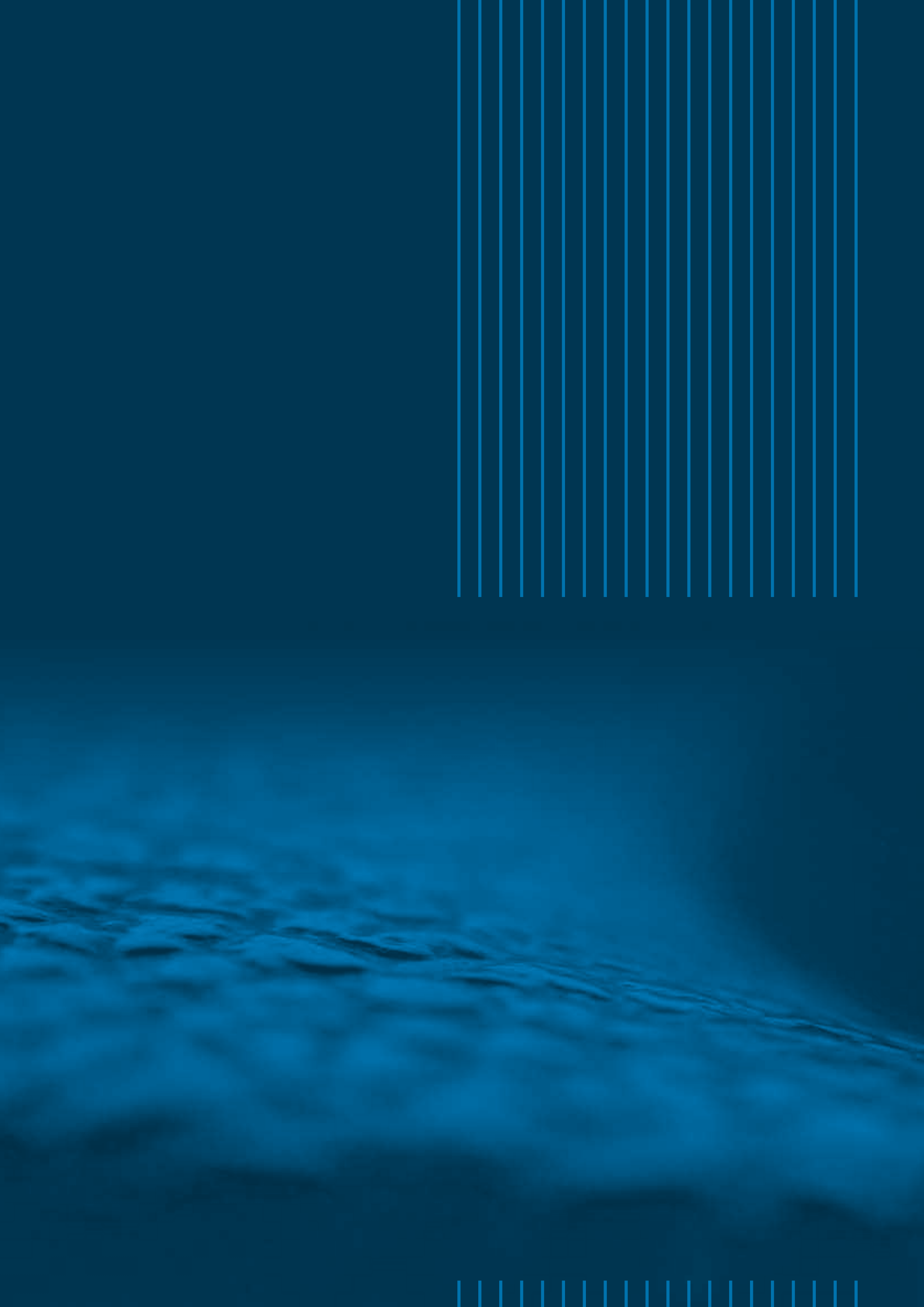
Series BETA



Item	Transformer	Sockets CEE P17				
		16A 2P+E 230V	32A 2P 48V	16A 2P 48V	32A 2P 24V	16A 2P 24V
BEM50SPS48	Single phase for safety 500VA 230/48V			2		
BEM50SPS42	Single phase for safety 500VA 230/24V-48V			1		2
BEM50SPS24	Single phase for safety 500VA 230/24V					4
BEM25SPS24	Single phase for safety 250VA 230/24V					2

N.B. Further combinations are possible on request.





ELECTRICAL PANELS FOR CONSTRUCTION SITES (ACS)

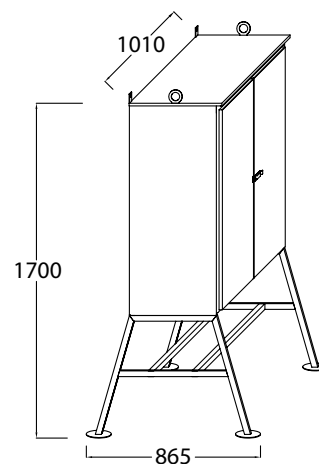


Features

- Cabinet in steel plates, thickness 15/10, painted and oven baked with polyester powder specifically for external use.
- Trestle in steel plates 30/10 "C"-shaped, painted and oven baked with polyester powder specifically for external use.
- Hatches with lockable click-closure.
- Eyebolts for lifting and perforated brackets for wall-attachment.
- Framework double insulated in hard **butyl rubber**, protection degree **IP65**.
- Covers in unbreakable transparent polycarbonate with spring closure for modular switches.
- Cable glands IP68, internal modular terminal blocks.
- Manufactured according the regulations **CEI 17-13/4 EN 60439-4 ACS** (Assembled Equipment for Construction Sites).

Series AGCA

ACS
ASSEMBLED EQUIPMENT FOR CONSTRUCTION SITES
ACCORDING TO THE REGULATIONS EN 60439-4 CEI 17-13/4



Without trestle leave out the "C" from the item number.

series AGCA	General thermomagnetic-differential switch	Differential current control	Differential intervention time control	Thermal Control In	Input/output cable gland	Input/output terminal block
Item						
AGCA630EU	4P 630A	0,03A-2A	Istant - 5s	252A - 630A	4xPG42	300 mm ²
AGCA400EU	4P 400A	0,03A-2A	Istant - 5s	160A - 400A	4xPG36	240 mm ²
AGCA250EU	4P 250A	0,03A-2A	Istant - 5s	175A - 250A	4xPG29	120 mm ²
AGCA160EU	4P 160A	0,03A-2A	Istant - 5s	112A - 160A	4xPG21	70 mm ²

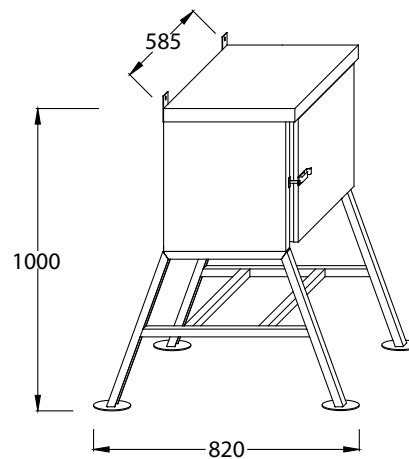
N.B. Further combinations are possible on request; panels also available in wall-canopy version or trestle-canopy version.

Features

- Cabinet in steel plates, thickness 15/10, painted and oven baked with polyester powder specifically for external use.
- Trestle in steel plates 30/10 "C"-shaped, painted and oven baked with polyester powder specifically for external use.
- Hatches with lockable click-closure.
- Perforated brackets for wall-attachment.
- Framework double insulated in hard **butyl rubber**, protection degree **IP65**.
- Covers in unbreakable transparent polycarbonate with spring closure for modular switches.
- Cable glands IP68, internal modular terminal blocks.
- Manufactured according the regulations **CEI 17-13/4 EN 60439-4 ACS** (Assembled Equipment for Construction Sites).

Series APCA

ACS
ASSEMBLED EQUIPMENT FOR CONSTRUCTION SITES
ACCORDING TO THE REGULATIONS EN 60439-4 CEI 17-13/4



Without trestle leave out the "C" from the item number.

series APCA	General thermomagnetic differential switch	Differential current control	Differential intervention time control	Control In	Input/output cable gland	Input/output terminal block
Item						
APCA125EU	4P 125A	0,03A-2A	Istant - 5s	125A	PG42	35 mm ²
APCA100EU	4P 100A	0,3A selective	FIX	100A	PG42	35 mm ²
APCA63EU	4P 63A	0,3A selective	FIX	63A	PG36	16 mm ²
APCA32EU	4P 32A	0,3A selective	FIX	32A	PG29	10 mm ²

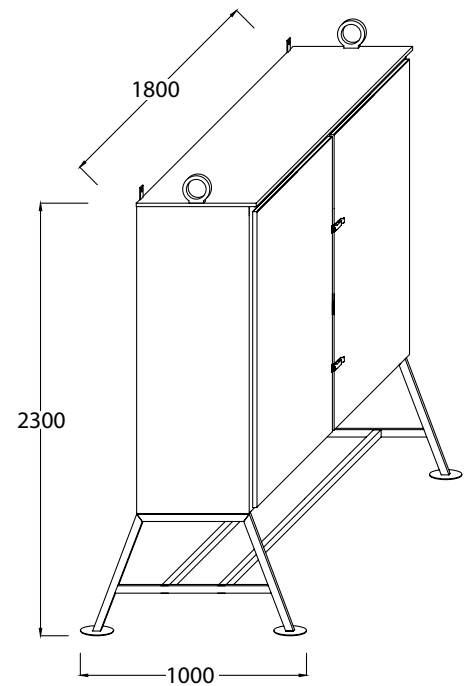
N.B. Further combinations are possible on request; panels also available in wall-canopy version or trestle-canopy version.

Features

- Cabinet in steel plates, thickness 20/10, painted and oven baked with polyester powder specifically for external use.
- Trestle in boxed steel, painted and oven baked with polyester powder specifically for external use.
- Hatches with lockable click-closure.
- Eyebolts for lifting and perforated rear brackets for wall-attachment.
- Framework double insulated in hard **butyl rubber**, protection degree **IP65**.
- Covers in unbreakable transparent polycarbonate with spring closure for modular switches.
- Access with cable glands IP68, internal modular terminal blocks.
- Distribution with cable glands IP68 or sockets **CEE P17** IP67.
- Manufactured according the regulations **CEI 17-13/4 EN 60439-4 ACS** (Assembled Equipment for Construction Sites).

Series AMCA

ACS
ASSEMBLED EQUIPMENT FOR CONSTRUCTION SITES
ACCORDING TO THE REGULATIONS EN 60439-4 CEI 17-13/4



series AMCA	General switch	Output in terminal block with thermomagnetic-differential 4P							Sockets CEE P17 with general socket 4P 63A I _{dn} 0,03A						
		400A	250A	160A	125A	100A	63A	32A	63A	32A	16A				
Item	Thermomagnetic	I _{dn} adjustable	I _{dn} adjustable	I _{dn} adjustable	I _{dn} adjustable	I _{dn} 0,3A	I _{dn} 0,3A	I _{dn} 0,3A	3P+N+E	3P+E	3P+N+E	3P+E	3P+N+E	3P+E	2P+E
AMCA630UPS1	630A	1	1	1		1			1			1		1	2
AMCA630UPS2	630A	1	1	1	1		1	1							
AMCA400UPS1	400A		1	1	1		1	1			1			2	3
AMCA400UPS2	400A		1	1	1	1	2	3							

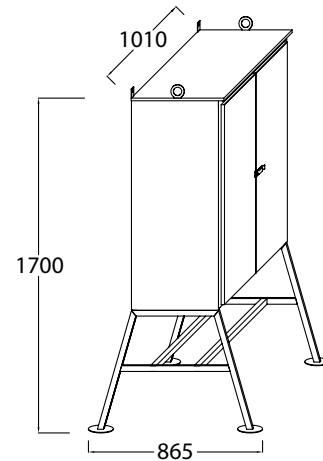
N.B. Further combinations are possible on request; panels also available in trestle-canopy version.

Features

- Cabinet in steel plates, thickness 15/10, painted and oven baked with polyester powder specifically for external use.
- Trestle in steel plates 30/10 "C"-shaped, painted and oven baked with polyester powder specifically for external use.
- Hatches with lockable click-closure.
- Eyebolts for lifting and perforated brackets for wall-attachment.
- Framework double insulated in hard **butyl rubber**, protection degree **IP65**.
- Covers in unbreakable transparent polycarbonate with spring closure for modular switches.
- Access with cable glands IP68, internal modular terminal blocks.
- Distribution with cable glands IP68 or sockets **CEE P17** IP67.
- Manufactured according the regulations **CEI 17-13/4 EN 60439-4 ACS** (Assembled Equipment for Construction Sites).

Series AGCA

ACS
ASSEMBLED EQUIPMENT FOR CONSTRUCTION SITES
ACCORDING TO THE REGULATIONS EN 60439-4 CEI 17-13/4



Without trestle leave out the "C" from the item number.

series AGCA	General switch	Output in terminal block with thermomagnetic-differential 4P			Sockets CEE P17						
		100A	63A	32A	63A thermomagnetic differential Idn=0,03A	32A pure differential 63A Idn=0,03A + thermomagnetic on sockets	16A pure differential 40A Idn=0,03A + thermomagnetic on sockets				
Item	Thermomagnetic	Idn 0,3A	Idn 0,3A	Idn 0,3A	3P+N+E	3P+E	3P+N+E	3P+E	3P+N+E	3P+E	2P+E
AGCA250US	250A	1	2	3							
AGCA250UPS	250A	1			1		1	1		1	3
AGCA160US	160A		2	4							
AGCA160UPS	160A		1				2	2		1	3

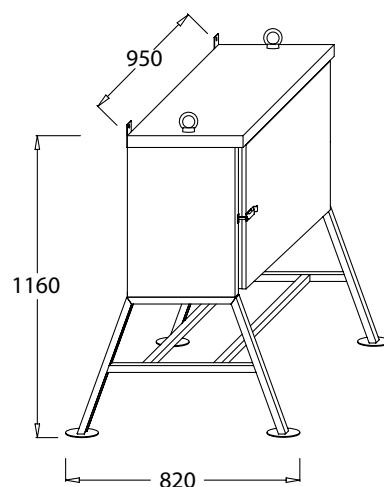
N.B. Further combinations are possible on request; panels also available in wall-canopy version or trestle-canopy version.

Features

- Cabinet in steel plates, thickness 15/10, painted and oven baked with polyester powder specifically for external use.
- Trestle in steel plates 30/10 "C"-shaped, painted and oven baked with polyester powder specifically for external use.
- Hatches with lockable click-closure.
- Eyebolts for lifting and perforated brackets for wall-attachment.
- Framework double insulated in hard **butyl rubber**, protection degree **IP65**.
- Covers in unbreakable transparent polycarbonate with spring closure for modular switches.
- Access with cable glands IP68, internal modular terminal blocks.
- Distribution with sockets **CEE P17** IP67.
- Manufactured according the regulations **CEI 17-13/4 EN 60439-4 ACS** (Assembled Equipment for Construction Sites).

Series AWCA

ACS
ASSEMBLED EQUIPMENT FOR CONSTRUCTION SITES
ACCORDING TO THE REGULATIONS EN 60439-4 CEI 17-13/4



Without trestle leave out the "C" from the item number.

series AWCA	General switch	Sockets CEE P17 individually protected by thermomagnetic						
		63A		32A		16A		
		3P+N+E	3P+E	3P+N+E	3P+E	3P+N+E	3P+E	2P+E
AWCA100PS1	100A	1	1	1	1	1	2	3
AWCA100PS2	100A			2	2		2	3
AWCA100PS3	100A		1		2		2	3
AWCA63PS1	63A			1	1	1	2	3
AWCA63PS2	63A			1	1		3	6
AWCA63PS3	63A			1		1	2	5

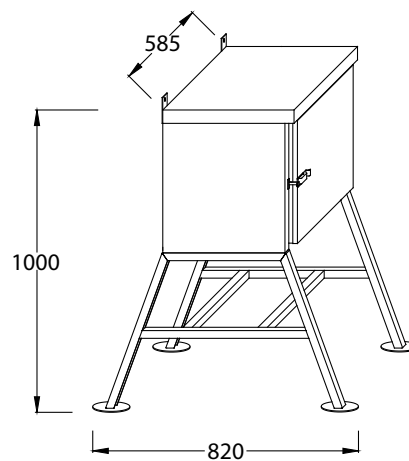
N.B. Further combinations are possible on request; panels also available in wall-canopy version or trestle-canopy version.

Features

- Cabinet in steel plates, thickness 15/10, painted and oven baked with polyester powder specifically for external use.
- Trestle in steel plates 30/10 "C"-shaped, painted and oven baked with polyester powder specifically for external use.
- Hatches with lockable click-closure.
- Perforated brackets for wall-attachment.
- Framework double insulated in hard **butyl rubber**, protection degree **IP65**.
- Covers in unbreakable transparent polycarbonate with spring closure for modular switches.
- Access with cable glands IP68, internal modular terminal blocks.
- Distribution with sockets **CEE P17** IP67.
- Manufactured according the regulations **CEI 17-13/4 EN 60439-4 ACS** (Assembled Equipment for Construction Sites).

ACS
ASSEMBLED EQUIPMENT FOR CONSTRUCTION SITES
ACCORDING TO THE REGULATIONS EN 60439-4 CEI 17-13/4

Series APCA



Without trestle leave out the "C" from the item number.

series APCA	General switch	Sockets CEE P17 individually protected by thermomagnetic						
		63A		32A		16A		
		3P+N+E	3P+E	3P+N+E	3P+E	3P+N+E	3P+E	2P+E
Item	Thermomagnetic Differential 4P Idn 0,03A							
APCA63PS1	63A			1	1		2	3
APCA63PS2	63A			2			2	3
APCA63PS3	63A			1		1		6
APCA40PS1	40A			1			2	3
APCA40PS2	40A				1		2	3
APCA40PS3	40A					1	1	4

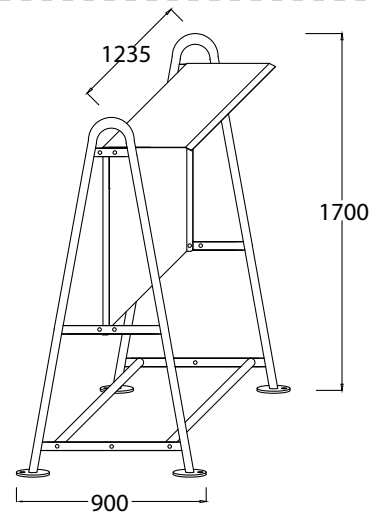
N.B. Further combinations are possible on request; panels also available in wall-canopy version or trestle-canopy version.

Features

- Canopy in steel plates, thickness 3mm, painted and oven baked with polyester powder specifically for external use.
- Trestle (when requested) in tubular steel diameter **42mm**, painted and oven baked with polyester powder specifically for external use.
- Upper-rings for lifting, rear holes for wall-attachment (wall-version).
- Framework double insulated in hard **butyl rubber**, protection degree **IP65**.
- Covers in unbreakable transparent polycarbonate with spring closure for modular switches.
- Access with cable glands IP68, internal modular terminal blocks.
- Distribution with cable glands IP68 or sockets **CEE P17** IP67.
- Manufactured according the regulations **CEI 17-13/4** EN 60439-4 **ACS** (Assembled Equipment for Construction Sites).

Series TZCA

ACS
ASSEMBLED EQUIPMENT FOR CONSTRUCTION SITES
ACCORDING TO THE REGULATIONS EN 60439-4 CEI 17-13/4



Without trestle leave out the "C" from the item number.

series TZCA	General switch	Sockets CEE P17 individually protected by thermomagnetic								
		Item	Thermomagnetic	63A thermomagnetic differential I _{dn} =0,03A		32A pure differential 32A I _{dn} =0,03A + thermomagnetic on sockets		16A pure differential 40A I _{dn} =0,03A + thermomagnetic on sockets		
				3P+N+E	3P+E	3P+N+E	3P+E	3P+N+E	3P+E	2P+E
TZCA250PS1	4P 250A			3		2				3
TZCA250PS2	3P 250A				3		2		2	
TZCA160PS1	4P 160A			2		1	1		1	3
TZCA160PS2	3P 160A				2		2		2	

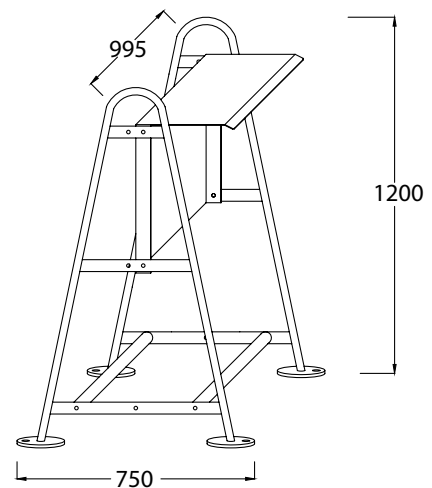
N.B. Further combinations are possible on request; panels also available in wall-canopy version or trestle-canopy version.

Features

- Canopy in steel plates, thickness 3mm, painted and oven baked with polyester powder specifically for external use.
- Trestle (when requested) in tubular steel diameter **32mm**, painted and oven baked with polyester powder specifically for external use.
- Upper-rings for lifting, rear holes for wall-attachment (wall-version).
- Framework double insulated in hard **butyl rubber**, protection degree **IP65**.
- Covers in unbreakable transparent polycarbonate with spring closure for modular switches.
- Access with cable glands **IP68**, internal modular terminal blocks.
- Distribution with sockets **CEE P17 IP67**.
- Manufactured according the regulations CEI 17-13/4 EN 60439-4 **ACS** (Assembled Equipment for Construction Sites).

Series TWCA-3

ACS
ASSEMBLED EQUIPMENT FOR CONSTRUCTION SITES
ACCORDING TO THE REGULATIONS EN 60439-4 CEI 17-13/4



Without trestle leave out the "C" from the item number.

series TWCA-3	General switch	Sockets CEE P17 individually protected by thermomagnetic						
		63A		32A		16A		
		3P+N+E	3P+E	3P+N+E	3P+E	3P+N+E	3P+E	2P+E
Item	Thermomagnetic Differential 4P I _{dn} 0,03A							
TWCA3125PS1	4P 125A	1		1	2		1	3
TWCA3125PS2	4P 125A		1	1	1	1	2	3
TWCA3100PS1	4P 100A			1	1		3	3
TWCA3100PS2	4P 100A			1	1	1	2	4

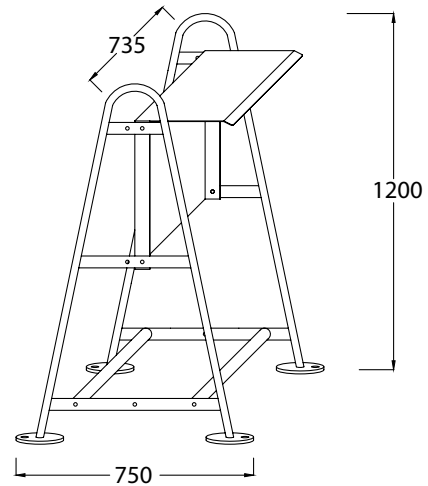
N.B. Further combinations are possible on request; panels also available in wall-canopy version or trestle-canopy version.

Features

- Canopy in steel plates, thickness 3mm, painted and oven baked with polyester powder specifically for external use.
- Trestle (when requested) in tubular steel diameter **32mm**, painted and oven baked with polyester powder specifically for external use.
- Upper-rings for lifting, rear holes for wall-attachment (wall-version).
- Framework double insulated in hard **butyl rubber**, protection degree **IP65**.
- Covers in unbreakable transparent polycarbonate with spring closure for modular switches.
- Access with cable glands IP68, internal modular terminal blocks.
- Distribution with sockets **CEE P17** IP67.
- Manufactured according the regulations **CEI 17-13/4 EN 60439-4 ACS** (Assembled Equipment for Construction Sites).

Series TWCA-2

ACS
ASSEMBLED EQUIPMENT FOR CONSTRUCTION SITES
ACCORDING TO THE REGULATIONS EN 60439-4 CEI 17-13/4



Without trestle leave out the "C" from the item number.

series TWCA-2	General switch	Sockets CEE P17 individually protected by thermomagnetic						
		63A		32A		16A		
		3P+N+E	3P+E	3P+N+E	3P+E	3P+N+E	3P+E	2P+E
Item	Thermomagnetic Differential 4P Idn 0,03A							
TWCA263PS1	4P 63A			1	1		3	3
TWCA263PS2	4P 63A			1	1		2	3
TWCA263PS3	4P 63A				1	1	2	3
TWCA263PS4	4P 63A			1	1	1	1	3
TWCA240PS1	4P 40A				1		3	3
TWCA240PS2	4P 40A				1	1	2	3
TWCA240PS3	4P 40A				1		2	4

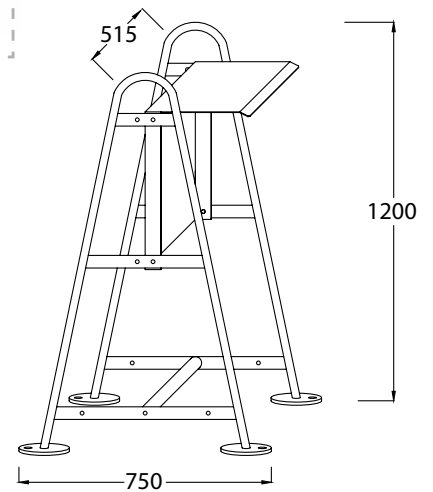
N.B. Further combinations are possible on request; panels also available in wall-canopy version or trestle-canopy version.

Features

- Canopy in steel plates, thickness 3mm, painted and oven baked with polyester powder specifically for external use.
- Trestle (when requested) in tubular steel diameter **32mm**, painted and oven baked with polyester powder specifically for external use.
- Upper-rings for lifting, rear holes for wall-attachment (wall-version).
- Framework double insulated in hard butyl rubber, protection degree **IP65**.
- Covers in unbreakable transparent polycarbonate with spring closure for modular switches.
- Access with cable glands IP68, internal modular terminal blocks.
- Distribution with sockets **CEE P17** IP67.
- Manufactured according the regulations **CEI 17-13/4 EN 60439-4 ACS** (Assembled Equipment for Construction Sites).

Series TWCA-1

ACS
ASSEMBLED EQUIPMENT FOR CONSTRUCTION SITES
ACCORDING TO THE REGULATIONS EN 60439-4 CEI 17-13/4



Without trestle leave out the "C" from the item number.

series TWCA-1	General switch	Sockets CEE P17 individually protected by thermomagnetic						
		63A		32A		16A		
		3P+N+E	3P+E	3P+N+E	3P+E	3P+N+E	3P+E	2P+E
Item	Differenziale 4P I _{dn} 0,03A							
TWCA163PS1	4P 63A			1		1	1	3
TWCA163PS2	4P 63A			1			2	3
TWCA163PS3	4P 63A			1	1		1	2
TWCA140PS1	4P 40A				2		2	2
TWCA140PS2	4P 40A			1			1	4
TWCA140PS3	4P 40A				1		2	3

N.B. Further combinations are possible on request; panels also available in wall-canopy version or trestle-canopy version.

Features

- Trestle in tubular steel diameter **22mm**, painted and oven baked with polyester powder specifically for external use.
- Upper-rings for lifting.
- Framework double insulated in hard butyl rubber, protection degree **IP65**.
- Covers in unbreakable transparent polycarbonate with spring closure for modular switches.
- Access with cable glands IP68 and internal modular terminal blocks or a 2mt cable in neoprene **H07RN-F** and loose plug **CEE P17**.
- Distribution with sockets **CEE P17** IP67.
- Manufactured according the regulations **CEI 17-13/4 EN 60439-4 ACS** (Assembled Equipment for Construction Sites).

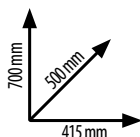
Series LAKA

ACS
ASSEMBLED EQUIPMENT FOR CONSTRUCTION SITES
ACCORDING TO THE REGULATIONS EN 60439-4 CEI 17-13/4



series LAKA	General switch	Input	Sockets CEE P17 protected by thermomagnetic				
			32A		16A		
Item	Differential 4P I _{dn} 0,03A		3P+N+E	3P+E	3P+N+E	3P+E	2P+E
LAKA63PS1	4P 63A	Pg36	1		1	1	3
LAKA63PS2	4P 63A	Pg36	1			2	3
LAKA40PS1	4P 40A	Pg29		2		2	2
LAKA40PS2	4P 40A	Pg29	1			1	4

N.B. Further combinations are possible on request.



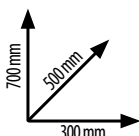
Series DEKA - SIKA

ACS
ASSEMBLED EQUIPMENT FOR CONSTRUCTION SITES
ACCORDING TO THE REGULATIONS EN 60439-4 CEI 17-13/4



series DEKA-SIKA	General switch	Input	Sockets CEE P17 protected by thermomagnetic				
			32A		16A		
Item	Differential I _{dn} 0,03A		3P+N+E	3P+E	3P+N+E	3P+E	2P+E
DEKA63PS	4P 63A	Cable 5G16mm ² Plug CEE P17 400V 63A 3P+N+E	1			1	1
DEKA32PS1	4P 40A	Cable 5G 6mm ² Plug CEE P17 400V 32A 3P+N+E				2	3
DEKA32PS2	4P 40A	Cable 5G 6mm ² Plug CEE P17 400V 32A 3P+N+E					6
SIKA32PS	4P 40A	Cable 5G 6mm ² Plug CEE P17 400V 32A 3P+N+E				1	3
SIKA16PS	2P 25A	Cable 3G 2,5mm ² Plug CEE P17 230V 16A 2P+E					4

N.B. Further combinations are possible on request.



Features

- Framework double insulated in hard **butyl rubber**, protection degree **IP65**.
- Brackets for wall-attachment in steel, painted and oven baked with polyester powder specifically for external use.
- Upper **handle** in **rubber** to facilitate transport.
- Covers in unbreakable transparent polycarbonate with spring closure for modular switches.
- Access with cable glands IP68, internal modular terminal blocks.
- Distribution with sockets **CEE P17** IP67.
- Manufactured according the regulations **CEI 17-13/4 EN 60439-4 ACS** (Assembled Equipment for Construction Sites).

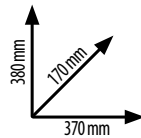
Series LAMBDA

ACS
ASSEMBLED EQUIPMENT FOR CONSTRUCTION SITES
ACCORDING TO THE REGULATIONS EN 60439-4 CEI 17-13/4



series LAMBDA	General switch	Input	Sockets CEE P17 protected by thermomagnetic				
			32A		16A		
Item	Differential 4P I _{dn} 0,03A		3P+N+E	3P+E	3P+N+E	3P+E	2P+E
LAAP63PS1	4P 63A	Pg36					
LAAP63PS2	4P 63A	Pg36		1		2	3
LAAP63PS2	4P 63A	Pg36				3	4
LAAP40PS	4P 40A	Pg29					8

N.B. Further combinations are possible on request.



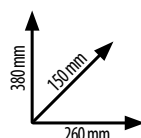
Series DELTA

ACS
ASSEMBLED EQUIPMENT FOR CONSTRUCTION SITES
ACCORDING TO THE REGULATIONS EN 60439-4 CEI 17-13/4



series DELTA	General switch	Input	Sockets CEE P17 protected by thermomagnetic				
			32A		16A		
Item	Differential 4P I _{dn} 0,03A		3P+N+E	3P+E	3P+N+E	3P+E	2P+E
DEAP63PS	4P 63A	Pg36					
DEAP63PS	4P 63A	Pg36		1		1	2
DEAP40PS	4P 40A	Pg29					6
DEAP40IS	4P 40A	Pg29	1 Interlocked		1 Interlocked		

N.B. Further combinations are possible on request.



Features

- Framework double insulated in hard **butyl rubber**, protection degree **IP65**.
- Brackets for wall-attachment in steel, painted and oven baked with polyester powder specifically for external use.
- Upper-**handle** in **rubber** to facilitate transport.
- Covers in unbreakable transparent polycarbonate with spring closure for modular switches.
- Access with cable glands **IP68**, internal modular terminal blocks.
- Distribution with sockets **CEE P17** IP67.
- Manufactured according the regulations **CEI 17-13/4 EN 60439-4 ASC** (Assembled Equipment for Building Sites).

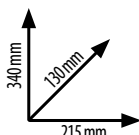
Series SIGMA

ACS
ASSEMBLED EQUIPMENT FOR CONSTRUCTION SITES
ACCORDING TO THE REGULATIONS EN 60439-4 CEI 17-13/4



series SIGMA	General switch	Input	Sockets CEE P17 protected by thermomagnetic				
			32A		16A		
Item	Differential Idn 0,03A		3P+N+E	3P+E	3P+N+E	3P+E	2P+E
SIAP40PS1	4P 40A	Pg29	●	●		2	
SIAP40PS2	4P 40A	Pg29				1	3
SIAP16PS1	Unified Therm. 3P 16A Idn 0,03A	Pg21				2	
SIAP16PS2	Unified Therm. Diff. 1P + N 16A Idn 0,03A	Pg13,5					4

N.B. Further combinations are possible on request.



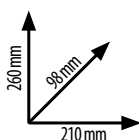
Series TAU

ACS
ASSEMBLED EQUIPMENT FOR CONSTRUCTION SITES
ACCORDING TO THE REGULATIONS EN 60439-4 CEI 17-13/4



series TAU	General switch	Input	Sockets CEE P17				
			32A		16A		
Item	Thermomagnetic Differential		3P+N+E	3P+E	3P+N+E	3P+E	2P+E
TAAP32PS1	4P 32A Idn 0,03A	Pg29	●	●			
TAAP32PS2	3P 32A Idn 0,03A	Pg29		2			
TAAP16PS	4P 16A Idn 0,03A	Pg29				1	1

N.B. Further combinations are possible on request.

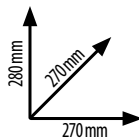


Features

- Framework double insulated in hard **butyl rubber**, protection degree IP65.
- **Handle in rubber** to facilitate transport.
- Covers in unbreakable transparent polycarbonate with spring closure for modular switches.
- Access with plug **CEE P17** IP67 and a 3mt cable H07RN-F.
- Distribution with sockets **CEE P17** IP67.
- Manufactured according the regulations **CEI 17-13/4** EN 60439-4 **ASC** (Assembled Equipment for Building Sites).

Series OMEGA

ACS
ASSEMBLED EQUIPMENT FOR CONSTRUCTION SITES
ACCORDING TO THE REGULATIONS EN 60439-4 CEI 17-13/4

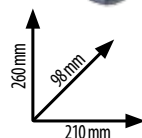


series OMEGA	Power-supply	Sockets CEE P17 protected by thermomagnetic						
		63A		32A		16A		
		3P+N+E	3P+E	3P+N+E	3P+E	3P+N+E	3P+E	2P+E
OMAM32PS1	Loose plug 400V 32A 3P+N+E 3mt cable H07RN-f 5G6mm ² Gen. Diff. 4P 40A 0,03A			1				2
OMAM32PS2	Loose plug 400V 32A 3P+N+E 3mt cable H07RN-f 5G6mm ² Gen. Diff. 4P 40A 0,03A						2 Unified therm	2
OMAM16PS1	Loose plug 230V 16A 2P+E 3mt cable H07RN-f 3G2,5mm ² Gen. Diff. 2P 25A 0,03A							4

N.B. Further combinations are possible on request.

Series TAU

ACS
ASSEMBLED EQUIPMENT FOR CONSTRUCTION SITES
ACCORDING TO THE REGULATIONS EN 60439-4 CEI 17-13/4



series TAU	Power-supply	Sockets CEE P17				
		32A		16A		
		3P+N+E	3P+E	3P+N+E	3P+E	2P+E
TAAM32PS	Loose plug 400V 32A 3P+E 3mt cable H07RN-f 4G6mm ² General Therm.Diff. 3P 32A Idn 0,03A		2			
TAAM16PS1	Loose plug 400V 16A 3P+N+E 3mt cable H07RN-f 5G2,5mm ² General Therm.Diff. 4P 16A Idn 0,03A				1	1
TAAM16PS2	Loose plug 230V 16A 2P+E 3mt cable H07RN-f 3G2,5mm ² General Therm.Diff. 1P+N 16A Idn 0,03A					4

N.B. Further combinations are possible on request.

Features

- Framework double insulated in hard **butyl rubber**, protection degree **IP65**.
- **Handle in rubber** to facilitate transport.
- Covers in unbreakable transparent polycarbonate with spring closure for modular switches.
- Access with plug **CEE P17 IP67** and a 3mt cable H07RN-F.
- Distribution with sockets **CEE P17 IP67**.
- Manufactured according the regulations **CEI 17-13/4 EN 60439-4 ACS** (Assembled Equipment for Construction Sites).

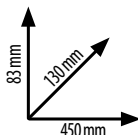
Series RETTANGOLO

ACS
ASSEMBLED EQUIPMENT FOR CONSTRUCTION SITES
ACCORDING TO THE REGULATIONS EN 60439-4 CEI 17-13/4



series RETTANGOLO	Power-supply	Switch	Sockets CEE P17				
			32A		16A		
			3P+N+E	3P+E	3P+N+E	3P+E	2P+E
Item		Unified Therm. Idn 0,03A					
REAM16PS1	Loose plug 230V 16A 2P+E Cable 3G2,5mm ²	1P+N 16A					4
REAM16PS2	Loose plug 230V 16A 2P+E Cable 3G2,5mm ²	1P+N 16A					3
REAM16PS3	Loose plug 400V 16A 3P+E Cable 4G2,5mm ²	3P 16A				2	

N.B. Further combinations are possible on request.



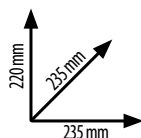
Series BETA*

ACS
ASSEMBLED EQUIPMENT FOR CONSTRUCTION SITES
ACCORDING TO THE REGULATIONS EN 60439-4 CEI 17-13/4



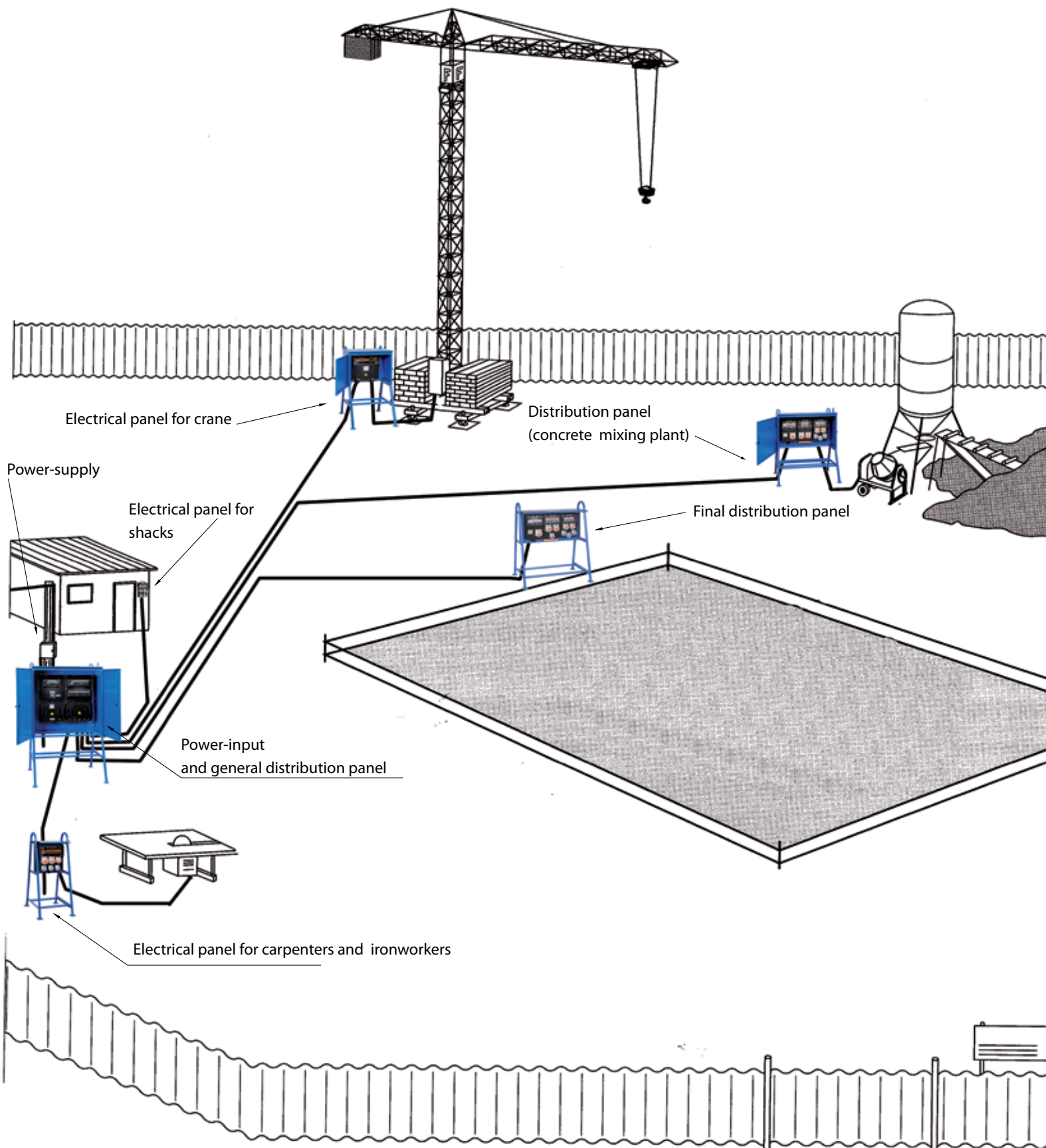
series BETA	Power-supply	Switch	Sockets CEE P17				
			32A		16A		
			3P+N+E	3P+E	3P+N+E	3P+E	2P+E
Item		Unified Therm. Idn 0,03A					
BEAM16PS1	Loose plug 400V 16A 3P+N+E Cable 5G2,5mm ²	4P 16A				1	2
BEAM16PS2	Loose plug 230V 16A 2P+E Cable 3G2,5mm ²	1P+N 16A					4

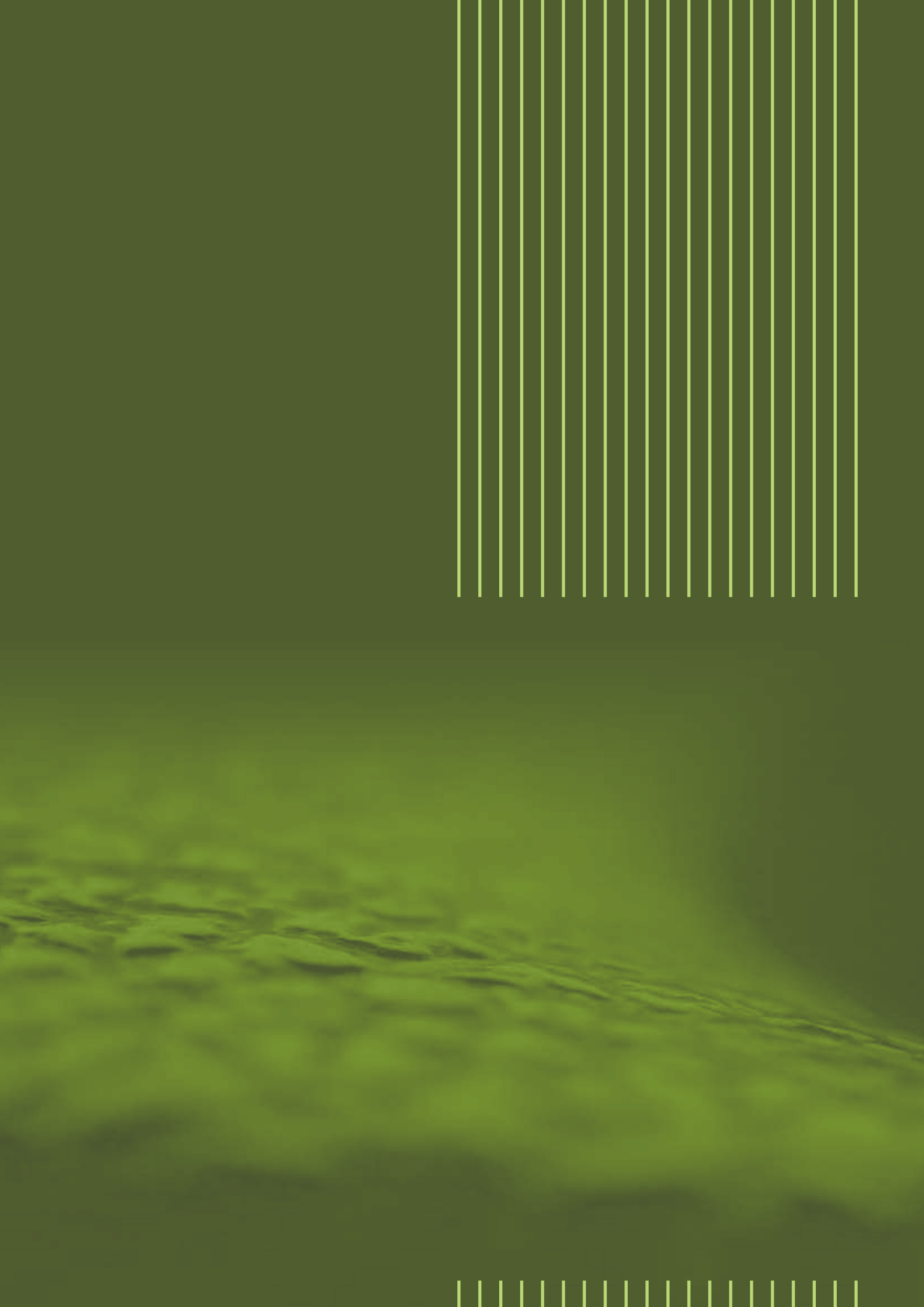
N.B. Further combinations are possible on request.



* series BETA framework double insulated in hard butyl rubber, protection degree IP54.

ELECTRICAL PANELS FOR CONSTRUCTION SITES (ACS)





COLUMNAR DISTRIBUTION PANELS



COL213K5G600GHJS/304

Supporting frame in boxed stainless steel AISI 304 40x40mm thickness 2 mm.
 External coating in stainless steel AISI 304, thickness 20/10 with special pleatings to increase the mechanical resistance. Everything is painted in RAL 5010.
 Separate internal compartments: upper section holds electrical equipment and the terminal block for the attachment of the powercables, lower section is divided in 2 areas: one for the passage of the powercables and the other for the hydraulic piping and for the compressed air-conducts. Inside the water section there are, aside from the piping, also 2 water meters of class "B-H AV" in nickel brass with numerator for direct reading.



N.B. Further combinations are possible on request.

On the external frame there are two taps of 1/2 inch, lockable by key, for the water distribution and two taps of 1/2 inch, lockable by key, for the distribution of compressed air.

The frame has a canopy to protect the sockets against rain, under which two lamps are set controlled by a special crepuscular switch with external probe set on the structure itself.

n°1 hinged hatch lockable by key for access to the above-indicated water section.

n°1 hinged hatch lockable by key to access the switch board protected by special caps in unbreakable polycarbonate.

DIMENSIONS: 786x1503x535(LxHxW)mm approx.

ELECTRICAL DISTRIBUTION

INPUT: through n°5 copper bars 40 x 8 mm, complete with n°2 hinges M8 (power-attachment and passing line, cables max. sections 240 mm²), set in the rear part of the structure, (section cable-access), nr.1 modular terminal block 2P 6mm², (for the telephone line), and n°1 modular terminal block 2P 6mm², (for the data-line).

GENERAL PANEL: circuit breaker 4P 250A with postponed rotating thermal adjustable movement (0,7-1xIn).

OUTPUT: n°2 sockets according the regulations CEE P17 400V 125A 3P+N+E (IP67), with electrical interlock, each one protected by a differential circuit breaker 4P 125A, thermal adjustable (0,7-1xIn), adjustable sensibility and intervention time I_{dn} 0,03-10A, t 0-3sec, each socket is equipped with a power meter to check the use of the two sockets.
 n°1 socket according the regulations CEE P17 400V 63A 3P+N+E (IP67), with electrical interlock, protected by a differential circuit breaker 4P 63A intervention sensibility I_d 0,3A.

n°2 sockets according the regulations CEE P17 230V 16A 2P+E (IP67), each one protected by a differential circuit breaker 1P+N 16A, intervention sensibility I_d 0,03A.

n°4 sockets type BUCCANEER 2P 250V 10A equipped with screwcaps (IP67), used as: phone socket and data socket.

INSTRUMENTATION:

n°1 digital multimeter for the differential readings of the electrical volumes.

NOTE:

The structure is equipped with:

n°1 fluorescent lamp series BDTP-GIMAX 230V 9W IP67, inside the controlswitch board section, switching on is controlled at the opening of the hatch.

COL212155500DIPS/INX



Frame in stainless steel AISI 304, thickness 20/10 with special pleatings to increase the mechanical resistance, painted in RAL 5010 (BLUE).

Nr.1 sidepanel can be opened with stainless steel bolts and screws.

Separate internal compartments: section terminal power blocks and section for the hydraulic piping with access through the opening of the panels equipped with gaskets.

The frame has a canopy against rain with installed two fluorescent lamps of 7W (one on each side) in a polycarbonate tube powered by an electronic ballast 230V 7W to illuminate the two different areas of distribution and protection, the entire circuit is protected by sectioning with fuses 1P+N 32A with fuse 16A.

The base is perforated to fix to the pavement and is open for access of the power-line, (water and electrical).

DIMENSIONS: 460 x 382 x 1020 mm c.a. (LxPxW).

N.B. Further combinations are possible on request.

ELECTRICAL DISTRIBUTION

INPUT AND LINE CONTINUATION:

Through cable glands pass Pg29 (IP68), set in the lower part of the structure to have direct access to the internal modular circuit breaker 2x5P 10mm², supplementary access to control the switching on of the lamps through a cable gland pass Pg11 (IP68), to have direct access to the internal modular circuit breaker 2P 6mm².

GENERAL PANEL:

Differential switch 4P 40A, intervention sensibility I_d 0,03A.

OUTPUT:

n°1 socket according the regulations CEE P17 400V 16A 3P+N+E (IP67), with mechanical interlock, protected by a circuit breaker 4P 16A.

n°1 socket according the regulations CEE P17 400V 16A 3P+E (IP67), with mechanical interlock, protected by a circuit breaker 3P 16A.

n°2 sockets according the regulations CEE P17 230V 16A 2P+E (IP67), with mechanical interlock, each one protected by a circuit breaker 1P+N 16A.

HYDRAULIC DISTRIBUTION:

n°1 female connection of 1/2" with valve for sphere-closure, (GENERAL SYSTEM).

n°2 sphere taps 1/2" (one on each side).

Features

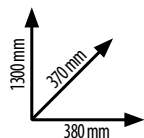
- Supporting frame in tubular galvanized steel Ø60 with an H-shaped base in boxed section bars.
- Fixing plate of the framework in steel plates 30/10 with painted finishing (fixing screws on the tubular).
- Framework double insulated in hard **butyl rubber**, protection degree **IP65**.
- Covers in unbreakable transparent polycarbonate with spring closure for modular switches.
- Manufactured according the regulations **CEI 17-13/1 EN 60439-1 ANS**.

Series LAMBDA H/Y



series LAMBDA	General switch	Power plug	Sockets CEE P17 IP67 with thermomagnetic protection						
			63A		32A		16A		
Item	Differential Idn 0,03A	CEE P17 3P+N+E	3P+N+E	3P+E	3P+N+E	2P+E	3P+N+E	3P+E	2P+E
LAH63PSP	4P 63A	63A	1 Line continuation		2	1			8
LAY32PS	4P 40A	32A							8

N.B. Further combinations are possible on request.

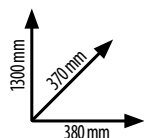


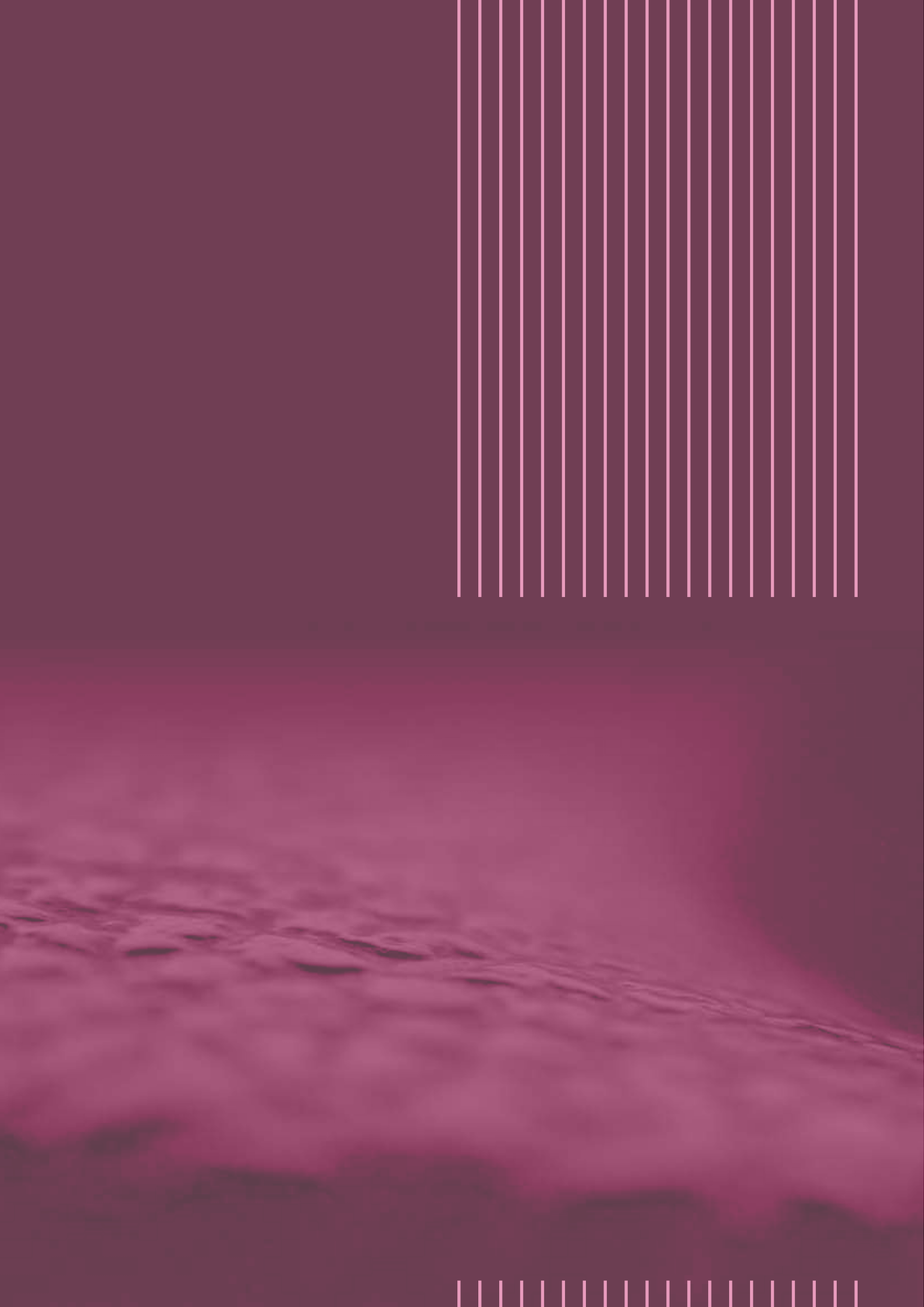
Series DELTA H/Y



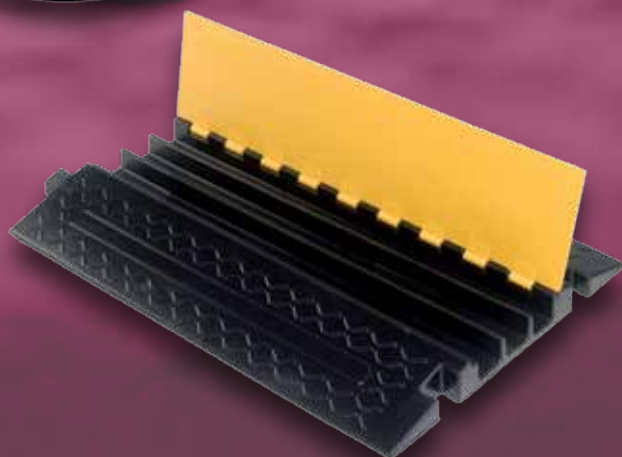
series DELTA	General switch	Power plug	Sockets CEE P17 IP67 with thermomagnetic protection						
			63A		32A		16A		
Item	Differential Idn 0,03A	CEE P17 3P+N+E	3P+N+E	2P+E	3P+N+E	2P+E	3P+N+E	3P+E	2P+E
DEH63PSP	4P 63A	63A	1 Line continuation		2				6
DEY32PS	4P 40A	32A							6

N.B. Further combinations are possible on request.





MOVABLE DISTRIBUTION CONNECTIONS AND ACCESSORIES



Series XLC



Features

- Cable reel trolley with steel structure, painted and oven baked with polyester powder specifically for external use.
- Framework double insulated in hard **butyl rubber**, protection degree **IP65**.
- Covers in unbreakable transparent polycarbonate with spring closure for modular switches.
- Neoprene cable **H07RN-F**.
- Access with plug **CEE P17 IP67**.
- Distribution sockets **CEE P17 IP67**.
- Manufactured according the regulations **CEI EN 61316**.
- Sockets protected by thermomagnetic circuit breakers.

Dimensions are subject to the type of set up.

series XLC	Equipment cable type H07RN-F	Protection	Sockets CEE P17				
			63A		16A		
Item			3P+N+E	3P+E	3P+N+E	3P+E	2P+E
XLC3240306PS	30mt sect. 5G6mm ² plug CEE P17 3P+N+E 400V 32A	N°6 Therm. 1P+N 16A					
XLC6340301PS	30mt sect. 5G16mm ² loose plug CEE P17 3P+N+E 400V 63A	Therm.-Diff. switch 4P 63A I _{dn} 0,03A	1 fix plug				

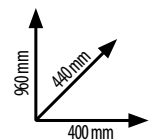
N.B. Further combinations are possible on request.

Series MXC



Features

- Barrel double insulated in hard **butyl rubber**.
- Solid frame with reclining telescopic handle in galvanized and painted steel.
- Nylon wheels to facilitate transport.
- Stop-knob on the drum.
- Sockets **CEE P17** with thermal circuit breaker.
- Power through loose plug **CEE P17** and neoprene cable **H07RN-F**.
- Manufactured according the regulations **CEI EN 61316**.



series MXC	Equipment cable type H07RN-F	Protection	Sockets CEE P17				
			32A		16A		
Item			3P+N+E	3P+E	3P+N+E	3P+E	2P+E
MXC3240251PS	25mt sect. 5G6mm ² plug CEE P17 3P+N+E 400V 32A	Thermal circuit breaker 3P 30A	1				
MXC1640403PS	40mt sect. 5G2,5mm ² plug CEE P17 3P+N+E 400V 16A	N. 3 Thermal circuit breakers 1P 16A					3

N.B. Further combinations are possible on request.

Features

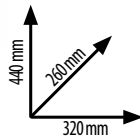
- Barrel double insulated in hard **butyl rubber**.
- Solid frame with handle in galvanized and painted steel.
- Stop-knob on the drum.
- Sockets **CEE P17** IP67 with thermal circuit breaker.
- Power through loose plug **CEE P17** IP67 and neoprene cable **H07RN-F**.
- Manufactured according the regulations **CEI EN 61316**.

Series MAXI



Item	Equipment cable type H07RN-F	Protection	Sockets CEE P17					
			32A		16A			
			3P+N+E	3P+E	3P+N+E	3P+E	2P+E	
MX1623503PS	50mt sect. 3G2,5mm ² plug CEE P17 2P+E 230V 16A	Thermal circuit breaker 1P 16A						3
MX1623502PS	50mt sect. 3G2,5mm ² plug CEE P17 2P+E 230V 16A	Thermal circuit breaker 1P 16A						2
MX1640502PS	50mt sect. 4G2,5mm ² plug CEE P17 P+E 400V 16A	Thermal circuit breaker 3P 16A				2		
MX16405011PS	50mt sect. 5G2,5mm ² plug CEE P17 3P+N+E 400V 16A	Thermal circuit breaker 3P 16A				1	1	

N.B. Further combinations are possible on request.

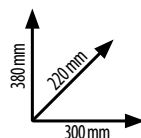


Series MINI



Item	Equipment cable type H07RN-F	Protection	Sockets CEE P17					
			32A		16A			
			3P+N+E	3P+E	3P+N+E	3P+E	2P+E	
MN1623252PS	25mt sect. 3G2,5mm ² plug CEE P17 2P+E 230V 16A	Thermal circuit breaker 1P 16A						2
MN1623402PS	40mt sect. 3G2,5mm ² plug CEE P17 2P+E 230V 16A	Thermal circuit breaker 1P 16A						2
MN1640302PS	30mt sect. 4G2,5mm ² plug CEE P17 3P+E 400V 16A	Thermal circuit breaker 3P 16A				2		
MN16402511PS	25mt sect. 5G2,5mm ² plug CEE P17 3P+N+E 400V 16A	Thermal circuit breaker 3P 16A				1	1	

N.B. Further combinations are possible on request.



Series PC

Features

- Electrical cable for power type **H07RN-F** with rope-conductors of red copper or annealed tin-plating insulated with rubber of quality EI4 and external sheath in neoprene of quality EM2; The particular mixtures that are used, guarantee an excellent resistance against oils, acids, fats, petrols and industrial solvents.
- Excellent mechanical resistance against abrasion, cuts, crushing, shocks and pleatings; durability of the flexibility of the sheath at low temperatures.
- Socket **CEE P17** IP67, Plug **CEE P17** IP67.



Item	Equipment cable type H07RN-F	Plug and socket CEE P17				
		32A		16A		
		3P+E	2P+E	3P+N+E	3P+E	2P+E
PC231610S	10mt 3G2,5mm ²					230V
PC401610S	10mt 4G2,5mm ²				400V	
PC233220S	20mt 3G6mm ²		230V			
PC403220S	20mt 4G6mm ²	400V				
PC4016205PS	20mt 5G2,5mm ²			400V		

N.B. Further combinations are possible on request.

Series SDG

Features

- Splitter in rubber produced for temporary links between several users, with special mixture **VO** (non propagation of the flame, in case of fire) of the central piece, on which are present a hole for attachment and appropriate flues for blockage through straps, compact sizes to facilitate transport and storage.
- Use also allowed in public show spaces where only one distribution socket is available, minimizing the risks related to precarious shunts.
- Input: loose plug **CEE-P17** 230V 16A 2P+E 6h IP67 or IP44.
- Output: 2 loose sockets **CEE-P17** 16A 230V 2P+E 6h IP67 or IP44.
- Cable H07RN-F 3G2,5mm².
- Execution in double insulation.
- Field of use 220/250V 50/60Hz 16A.



Item	Equipment cable type H07RN-F	Plug and socket CEE P17	
		16A	
		2P+E	2P+E
SDG216NB	25 cm + 2x25 cm		
SDG216NBS	25 cm + 2x25 cm	230V IP 67	
SDG216N	25 cm + 2x25 cm		230V IP 44

N.B. Personalization of the product is possible for a minimum quantity of 100pc, with the print of your logo on the central piece

Series CG

Features

- Completely in NATURAL RUBBER (NR/SBR) (HALOGEN FREE) with hardness 80/85 shore for the base, 85/90 shore for the cover.
- Base in black, cover in shining yellow. Glow wire test 960°C.
- Discrete resistance against chemical elements, against sprays of oil. Considerable resistance against sudden changes in temperature including temperatures from -20°C to +80°C.
- High mechanical resistance and resistance against abrasion.
- Cover in rubber hinged along the entire length with nylon shafts that allow the opening to 90°.
- A slight slope of the lateral ramps also facilitates the crossing of devices with small wheels. The ramps have a particular shaping against slipping.
- The CG ducts are made with the purpose to lay cables and/or piping across streets, pavements, public places and trade show pavillions.

- The orderly and covered disposition increases the levels of security solving many problems, (order in the distribution of the conductors, esthetics of the operative situations, incumbrance of the passage-ways, safety of the people walking by from contact with the powercables, crossing of wheelchairs, baby carriages, wheelbarrows, stretchers, etc., crushing due to the passage of heavy vehicles, regulations for the prevention of accidents).
- The positioning of several ducts is done by connecting more modules through the dovetails that give a stable alignment.
- The size of the passages allow to effectuate the junction of the cables internally through loose links according to the regulations of civil and military safety.
- To be used on the inside and the outside, building sites, campings, theatres, television studios, exposition and/or commercial halls, markets, communal areas, military zones, etc.

Electrical material according the regulations of the Low Voltage Directive 2006/95/C.

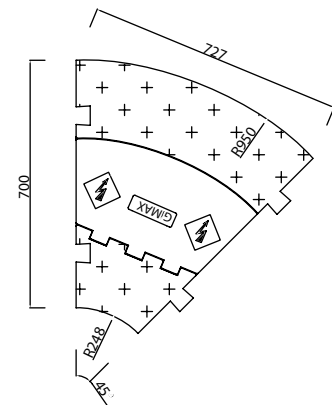
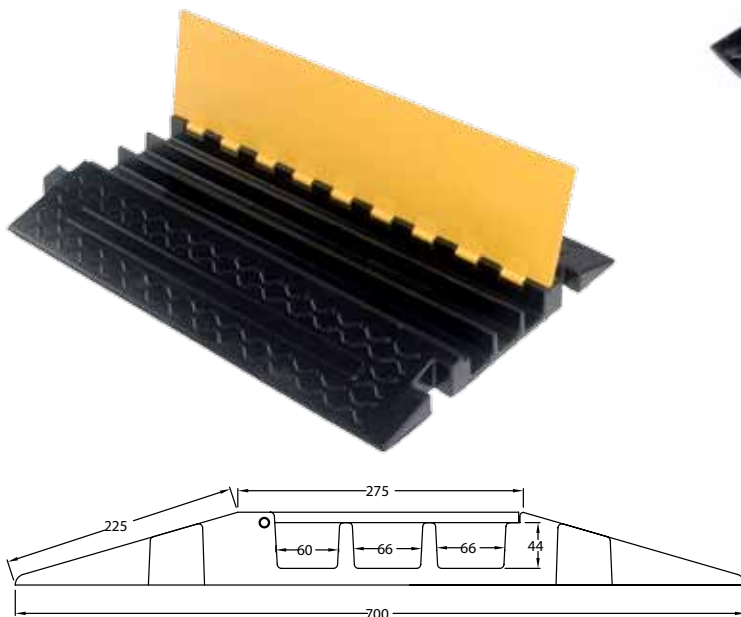
TECHNICAL DATA

- Used material	: NATURAL RUBBER (NR/SBR)
- Voltage in use	: 1000V A.C. - 1500V C.C.
- Voltage of insulation	: 3kV
- Degree of protection	: IP30XC
- Acceptable rotating load.....	: 5t a.c. on a surface of 20x20 cm
- Glow wire test.....	: 960°C.
- Hardness of the surface.....	: 80-90 (SHORE A)
- Degree of reaction to fire	: CATEGORY 1 second (CSE RF 2/75/A;UNI 8457/87)
- Cover color	: YELLOW
- Weight	: 25 Kg (Item CG1000) 13,5 Kg (Item CG45C)

REFERENCE REGULATIONS

GX/CP responds also to the following safety-rules: Presidential Decree of the Italian Republic 27/04/55 n° 547
- art. 8..... facilitate and make the passage safe
- art. 282..... protection of the electrical conductors both fix as movable from damaging by mechanical causes
- art. 283..... protection of electrical conductors from the passage of persons or vehicles legislation 19/9/94 n. 626
- Title 2° - artt. 9-10-11 Regulation CEI 64-8
- sez. 704..... electrical systems on building and demolition sites
- sez. 752..... electrical systems in public places for shows or entertainment
- sez. 708..... camping and caravan-areas

series CG	Description
Item	
CG1000	CABLE-DUCT IN RUBBER 3 STRAIGHT LINES 1MT
CG45C	ABLE-DUCT IN RUBBER 3 BEND LINES 45°

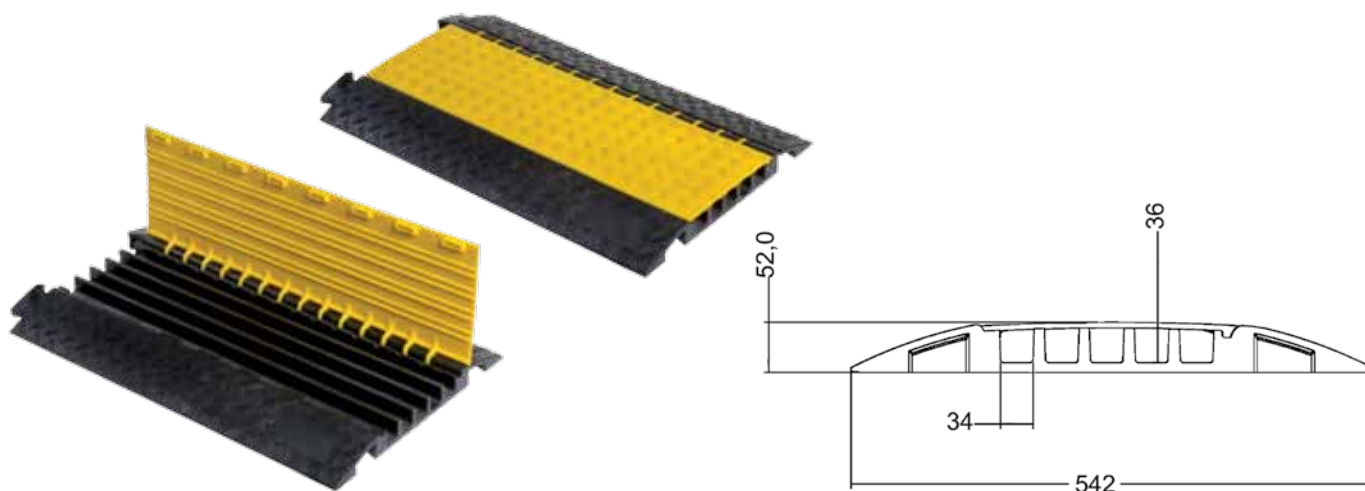


Series CG

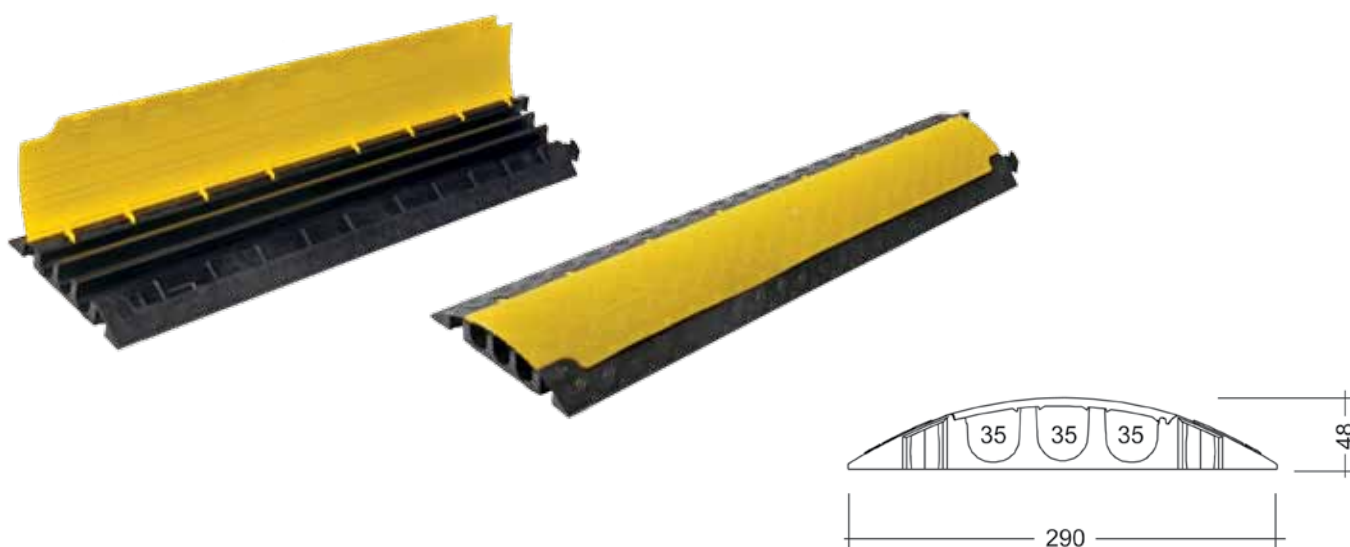
Features

- Solid duct, to be used professionally and universally, reduced in weight and capable to sustain vehicle-passages.
- Equipped with connectors for links in series of more elements.
- End of the duct with anti-slipping surface to guarantee a good grip on a large variety of surfaces.
- Cover with hinged-closure.

- Resistance against oils, acids and petrol.
- Color: Black base with yellow cover.
- Material: TPU (thermoplastic polyurethane) excellent stability and resistance.
- Hardness Shore -A: 88 ± 4
- Level of inflammability: B2
- Temperature during use: -40 °C to +70 °C



Item	L x W x H	Nr ducts	Weight	Load	Use
CG10005	890 x 542 x 54 mm	5x (34 x 36)mm	11,5 Kg	5t a.c on surface 20x20cm	Expositions, sidewalks, markets, repair shops, hangars, shopping centers, department stores, suitable to sustain the passage of any streetvehicle



Item	L x W x H	Nr ducts	Weight	Load	Use
CG10003	1.000 x 290 x 48 mm	3x Ø 35 mm	5 Kg	2t a.c on surface 20x20cm	Expositions, sidewalks, markets, repair shops, hangars, shopping centers, department stores, passage of automobiles

Series CG

Features

- Solid cable duct with two lanes for the passage of a conductor upto 30 x 30 mm.
- End of the duct with anti-slipping surface to guarantee a good grip on a large variety of surfaces.
- Equipped with dovetail-connectors for links in series of more elements.
- Lateral ramps with slight slope and reflectors.
- Cover with hinged-closure.
- Resistance against acids and solvents.

- Color: Black base with yellow cover.
- Material: Base in high density polyurethane, Cover in anti-slipping polyethylene.
- Total density: 1350g/dm³.
- Resistance to fire: Level 1.
- Temperature during use: -40 °C to +70 °C.

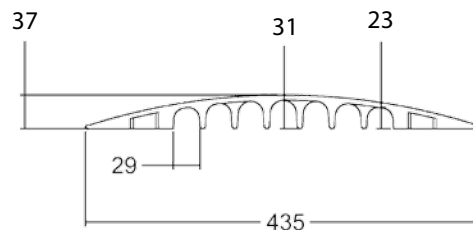


Item	L x W x H	Nr ducts	Weight	Load	Use
CG10002/1/GX	1000 x 250 x 54 mm	2 x (30 x 30)mm	7,9 Kg	3,5t a.c on surface 20x20cm	Expositions, sidewalks, markets, repair shops, hangars, shopping centers, department stores, passage of automobiles

Features

- Solid duct, to be used professionally and universally, reduced in weight.
- Equipped with connectors for links in series of more elements.
- Duct without end, system for covering.
- Resistance against oils, acids and petrol.
- Color: Black.

- Material: TPU (thermoplastic polyurethane) excellent stability and resistance.
- Hardness Shore -A: 88 ± 4.
- Level of inflammability: B2.
- Temperature during use: -40 °C to +70 °C.



Item	L x W x H	Nr ducts	Weight	Load	Use
CG1000TP	805 x 435 x 37 mm	5 x Ø22 mm	3,5 Kg	Pedestrians and bicycles	Mostly pavillions, expositions, etc.

N.B. Personalization of the product is possible for a minimum quantity of 30pc, with the print of your logo on the base.

Series SV-PV

Features

- Loose plugs and sockets CEE P17 according the regulations CEI EN 60309-2, DIN VDE 0623.
- Exploitation frequency 50/60Hz.
- Insulation voltage 690V.
- Degree of protection IP44 or IP67 (IEC 529 and CEI EN 60529).
- Resistance against heat 850°C Glow Wire (IEC 695-2-1 and CEI 50-11).
- External diameter of the cable: 16A 4-17mm, 32A 5-24mm, 63A 9-37mm, 125A 22-50mm.
- External sheath made of resin particularly appropriate for hard exploitation.
- Pins and alveolus in brass with soft contact CONTACT for the sockets 63A and with TORSION SPRINGS for 125A.



Type		Movable sockets		Movable plugs		
		IP44	IP67	IP44	IP67	
24V	16A	2P	PV24162	PV24162S	SV24162	SV24162S
		3P	PV24163	PV24163S	SV24163	SV24163S
	32A	2P	PV24322	PV24322S	SV24322	SV24322S
		3P	PV24323	PV24323S	SV24323	SV24323S
	63A	3P	PV24633		SV24633	
	48V	16A	2P 12h	PV42162	PV42162S	SV42162
3P 12h			PV42163	PV42163S	SV42163	SV42163S
32A		2P 12h	PV42322	PV42322S	SV42322	SV42322S
		3P 12h	PV42323	PV42323S	SV42323	SV42323S
63A		3P 12h	PV42633		SV42633	
110V		16A	2P+E 4h	PV11162T	PV11162TS	SV11162T
	3P+E 4h		PV11163T	PV11163TS	SV11163T	SV11163TS
	3P+N+E 4h		PV11164T	PV11164TS	SV11164T	SV11164TS
	32A	2P+E 4h	PV11322T	PV11322TS	SV11322T	SV11322TS
		3P+E 4h	PV11323T	PV11323TS	SV11323T	SV11323TS
		3P+N+E 4h	PV11324T	PV11324TS	SV11324T	SV11324TS
	63A	2P+E 4h		PV11632TS		SV11632TS
		3P+E 4h		PV11633TS		SV11633TS
		3P+N+E 4h		PV11634TS		SV11634TS
	125A	2P+E 4h		PV111252TS		SV111252TS
		3P+T 4h		PV111253TS		SV111253TS
		3P+N+E 4h		PV111254TS		SV111254TS

Series SV-PV

Type		Movable sockets		Movable plugs		
		IP44	IP67	IP44	IP67	
230V	16A	2P+E 6h	PV22162T	PV22162TS	SV22162T	SV22162TS
		3P+E 9h	PV22163T	PV22163TS	SV22163T	SV22163TS
		3P+N+E 9h	PV22164T	PV22164TS	SV22164T	SV22164TS
	32A	2P+E 6h	PV22322T	PV22322TS	SV22322T	SV22322TS
		3P+E 9h	PV22323T	PV22323TS	SV22323T	SV22323TS
		3P+N+E 9h	PV22324T	PV22324TS	SV22324T	SV22324TS
	63A	2P+E 6h		PV22632TS		SV22632TS
		3P+E 9h		PV22633TS		SV22633TS
		3P+N+E 9h		PV22634TS		SV22634TS
	125A	2P+E 6h		PV221252TS		SV221252TS
		3P+E 9h		PV221253TS		SV221253TS
		3P+N+E 9h		PV221254TS		SV221254TS
400V	16A	3P+E 6h	PV38163T	PV38163TS	SV38163T	SV38163TS
		3P+N+E 6h	PV38164T	PV38164TS	SV38164T	SV38164TS
	32A	3P+E 6h	PV38323T	PV38323TS	SV38323T	SV38323TS
		3P+N+E 6h	PV38324T	PV38324TS	SV38324T	SV38324TS
	63A	3P+E 6h		PV38633TS		SV38633TS
		3P+N+E 6h		PV38634TS		SV38634TS
	125A	3P+E 6h		PV381253TS		SV381253TS
		3P+N+E 6h		PV381254TS		SV381254TS
	500V	16A	3P+E 7h	PV50163T	PV50163TS	SV50163T
3P+N+E 7h			PV50164T	PV50164TS	SV50164T	SV50164TS
32A		3P+E 7h	PV50323T	PV50323TS	SV50323T	SV50323TS
		3P+N+E 7h	PV50324T	PV50324TS	SV50324T	SV50324TS
63A		3P+E 7h	PV50633T	PV50633TS	SV50633T	SV50633TS
		3P+N+E 7h		PV50634TS		SV50634TS
125A		3P+E 7h		PV501253TS		SV501253TS
		3P+N+E 7h		PV501254TS		SV501254TS



Series GF

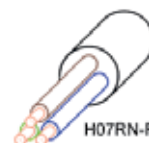
Features

- Electrical wire in neoprene type H07RN-F with rope-conductors of red copper or annealed tin-plating insulated in rubber of quality EI4 and external sheath in neoprene of quality EM2;
- The particular mixtures that are used, guarantee an excellent resistance against oils, acids, fats, petrols and industrial solvents.
- Excellent mechanical resistance against abrasion, cuts, crushing, shocks and pleatings; durability of the flexibility of the sheath at low temperatures.
- Voltage during use : 450/750V.
- Temperature during use : from -25°C a +85°C .
- Radius of curvature..... : 10 times the diameter.
- Harmonization : <HAR> (CEI 20-19; CENELEC HD 22.4 S2).
- Self-extinguishing..... : Regulation CEI 20-35.
- Conductors : Colored.



Item	Section
GF2X1	2 X 1mm ²
GF2X1,5	2 X 1,5mm ²
GF2X2,5	2 X 2,5mm ²
GF3X1	3G1mm ²
GF3X1,5	3G1,5mm ²
GF3X2,5	3G2,5mm ²
GF4X2,5	4G2,5mm ²
GF5X16	5G16mm ²
GF5X25	5G25mm ²

GOMMAFLEX GIMAX



Series SF

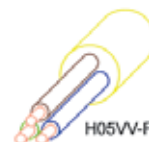
Features

- Electrical wire special type H05VV-F with rope-conductors of non-tinned copper insulated in PVC with under-sheath in PVC;
- Particular superflexible sheath resistant against oils, acids, fats, petrols and industrial solvents; excellent mechanical resistance against abrasion, cuts, crushing, shocks and pleatings.
- Durability of the flexibility of the sheath at temperatures from -25°C to +100°C.
- Voltage during use U°/u : 300/500V.
- Temperature during use : from -5°C a + 70°C (max. 150°C for 1 hour).
- Radius of curvature..... : 9-10 times the diameter.
- Self-extinguishing..... : according the regulations CEI 20-35.
- Harmonization : <HAR> (CEI 20-20).
- Conductors : colored.
- Color of the external sheath... : YELLOW.



Item	Section
SF2X1	2 X 1mm ²
SF2X1,5	2 X 1,5mm ²
SF2X2,5	2 X 2,5mm ²
SF3X1	3G1mm ²
SF3X1,5	3G1,5mm ²
SF3X2,5	3G2,5mm ²

SUPERFLEX GIMAX

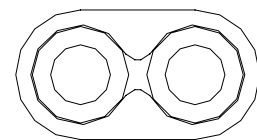


Series BIN

Features

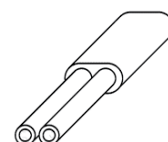
- Flat flexible electrical wire NPI FG7DR/3, double insulated, external sheath in PVC not-propagating the flame according the Regulations CEI 20-22/II, conductors in annealed not-tinned red copper insulated in thermoplastic rubber.
- Resistant against oils, acids, fats, petrols and industrial solvents. Particularly important to mention in the technical data: mechanical resistance against abrasion, cuts, crushing, shocks and pleatings. The particular self-extinguishing mixture, that distinguishes the external sheath, allows, aside from a high flexibility, the continuous removal and reconnection of the cable clamp.
- This removal flexibility in its specific requested function of electrical wiring in any requested point, does not cause dangerous cuts with consequent leaks of the conductors from the sheaths, because the sheath contracts itself automatically.
- Temperature during use fix laying..... : -30°C / +90°C.
- Temperature during use movable laying : -5°C / +40°C.
- Temp.Max di Corto Circuito..... : +250°C.
- Max. temperature short circuit..... : $U_0/U = 450/750V$.
- Nominal voltage : 8 times the diameter.
- Radius of curvature : Regulations CEI 20-22/II.
- Conductors..... :red annealed copper.

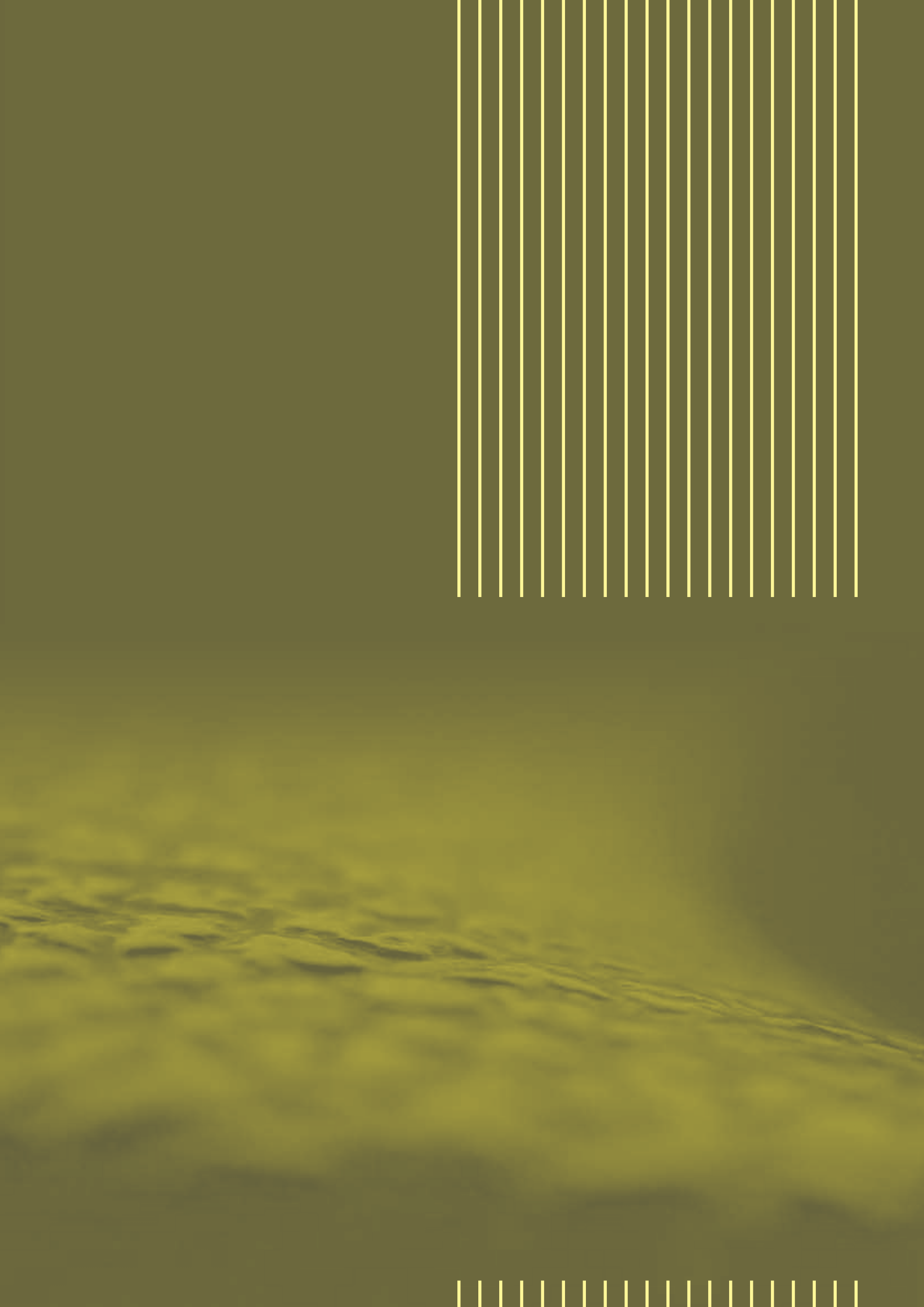
N.B.: example for the use of the cable, see ill. page 77



Item	Description
BIN2X6	Section 2x6mm ² color of the external sheath black Suitable for bypasses with perforation of insulation material PAT121/6-GIMAX
BIN2X25	Section 2x25mm ² color of the external sheath black Suitable for bypasses with perforation of insulation material PAT121-GIMAX
Bin2X6/YE	Section 2x6mm ² color of the external sheath yellow Suitable for bypasses with perforation of insulation material PAT121/6-GIMAX

FLAT WIRE (DOUBLE)





LIGHTING



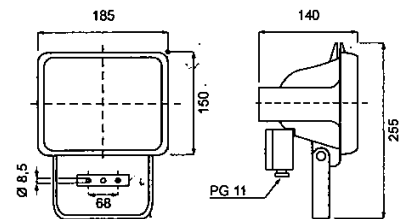
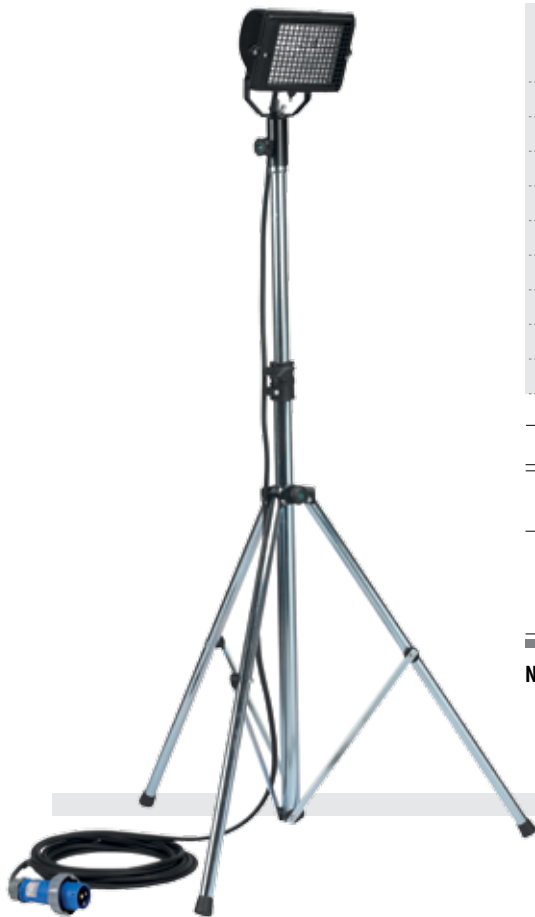
Series ITALY

Features

- Frame in die-cast aluminium with cooling tabs.
- External finishing with polyurethane resin in black color.
- Gaskets in silicon rubber for a perfect watertightness.
- Reflector in bright hammered aluminium.
- Tempered glass.
- Connectionbox in polyester.
- Fixing bracket.
- Degree of protection **IP55**.
- Insulation level (Regulation EN 60598-1) **I** or **III**.
- Protection grill on request.

Item	Description	Lumen	Equipment cable type H07RN-F
ITH500222AUS	Halogen beamlight 230V 500W complete with lamp, on telescopic STAND series TE 180 Hmax 1,80mt.	9.500	5mt. 3G1,5mm ² and plug CEE P17 230V 16A 2P+E IP67
ITH8004824US	Group of nr. 4 HALOGEN BEAMLIGHTS 48V 2x100W complete with lamps, on telescopic STAND series TE 180 max. height mt. 1,80, Total power 800W	17.600	5mt. 2X6mm ² and plug CEE P17 48V 32A 2P IP67

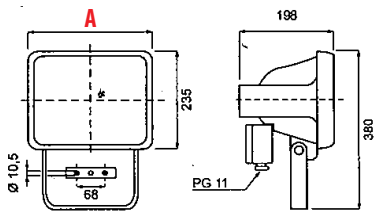
N.B. Further combinations are possible on request.



Item	Description	Lumen	Equipment cable type H07RN-F
ITH5002200	Halogen beamlight 230V 500W complete with lamp	9.500	
ITH500222AS	Halogen beamlight 230V 500W complete with lamp	9.500	5mt. 3G1,5mm ² and plug CEE P17 230V 16A 2P+E IP67
ITH2004800	Halogen beamlight 48V 2X100W complete with lamp	4.400	
ITH2004823S	Halogen beamlight 48V 2X100W complete with lamp	4.400	5mt. 2X2,5mm ² and plug CEE P17 48V 16A 2P IP67
ITH2002400	Halogen beamlight 24V 2X100W complete with lamp	4.400	
ITH2002421S	Halogen beamlight 24V 2X100W complete with lamp	4.400	5mt. 2X2,5mm ² and plug CEE P17 24V 16A 2P IP67
ITH500222AGKS	Halogen beamlight 230V 500W complete with lamp, on TRESTLE in tubular steel and metal protection GRILL	9.500	5mt. 3G1,5mm ² and plug CEE P17 230V 16A 2P+E IP67
ITH2002421YS	Halogen beamlight 24V 2X100W complete with lamp In shock resistant electro-galvanized steel CASING to protect the light	4.400	5mt. 2X2,5mm ² and plug CEE P17 24V 16A 2P IP67

N.B. Further combinations are possible on request.

Series POWER



	1.000W	1.500W
A	300	365

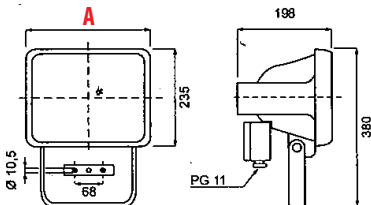
Features

- Frame in die-cast aluminium with cooling tabs.
- External finishing with polyurethane resin in black color.
- Gaskets in silicon rubber for a perfect watertightness.
- Reflector in bright hammered aluminium.
- Tempered glass.
- Connectionbox in polyester.
- Fixing bracket.
- Degree of protection **IP55**.
- Insulation level (Regulation EN 60598-1) **I** or **III**.
- Protection grill on request.

Item	Description	Lumen	Equipment cable type H07RN-F
PWH15002200	Halogen beamlight 230V 1500W complete with lamp	33.000	
PWH150022AS	Halogen beamlight 230V 1500W complete with lamp	33.000	5mt. 3G1,5mm ² and plug CEE P17 230V 16A 2P+E IP67
PWH10002200	Halogen beamlight 230V 1000W complete with lamp	22.000	
PWH1000222AS	Halogen beamlight 230V 1000W complete with lamp	22.000	5mt. 3G1,5mm ² and plug CEE P17 230V 16A 2P+E IP67

N.B. Further combinations are possible on request.

Series TUNNEL



	THN200	THN300 THN400
A	300	365

Features

- Frame in die-cast aluminium with cooling tabs.
- External finishing with polyurethane resin in black color.
- Gaskets in silicon rubber for a perfect watertightness **IP55**.
- Tempered glass.
- Connectionbox in polyester and fixing bracket.
- Double reflector in bright aluminium to obtain a concentrated and distance-focused light.
- On request beamlights foreseen with 1-2-3 reflectors for a concentrated or diffused light.
- Insulation level (Regulation EN 60598-1) **III**.
- Protection grill on request.

Item	Description	Lumen	Equipment cable type H07RN-F
TNH200480020	Halogen beamlight 48V 2X100W with concentrated beam complete with lamp	4.400	
TNH200482320S	Halogen beamlight 48V 2X100W with concentrated beam complete with lamp	4.400	5mt. 2x2,5mm ² and plug CEE P17 48V 16A 2P IP67
TNH4002400	Halogen beamlight 24V 4X100W with diffused beam complete with lamp	8.800	
TNH3002400	Halogen beamlight 24V 3X100W with diffused beam complete with lamp	6.600	
TNH200240020	Halogen beamlight 24V 2X100W with concentrated beam complete with lamp	4.400	
TNH200242120S	Halogen beamlight 24V 2X100W with concentrated beam complete with lamp	4.400	5mt. 2x2,5mm ² and plug CEE P17 24V 16A 2P IP67

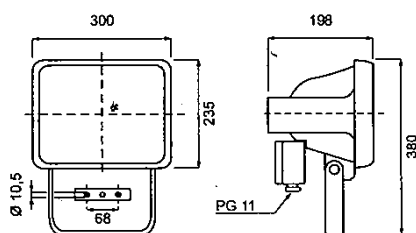
N.B. Further combinations are possible on request.

Series FLOR



Features

- Frame in die-cast aluminium with cooling tabs.
- External finishing with polyurethane resin in black color.
- Gaskets in silicon rubber for a perfect watertightness **IP55**.
- Tempered glass.
- Connectionbox in polyester and fixing bracket.
- Reflector in bright hammered aluminium.
- Series FLOR with electronic ballast a.c. o.c.c. (on request).
- Immediate switching on of the lamp without troublesome frequent flickering present in normal lamps with electric-mechanical power supply.
- Fluorescent tubes type DULUX FLAT 36W high efficiency.
- Insulation level (Regulation EN 60598-1) **I** or **III**.
- Protection grill on request.



Item	Power	Lumen	Power Supply
FLF722200	2 x 36W	5.600	230V
FLF724800	2 x 36W	5.600	48V
FLF722400	2 x 36W	5.600	24V
FLF362200	36W	2.800	230V
FLF364800	36W	2.800	48V
FLF362400	36W	2.800	24V

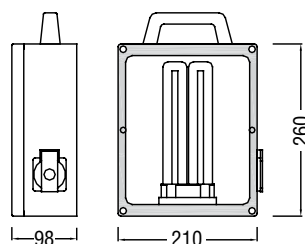
N.B. The fluorescent beamlights can be equipped with a neoprene cable H07RN-F of an appropriate section and plug CEE P17 correspondent to the powervoltage.

Series TAU



Features

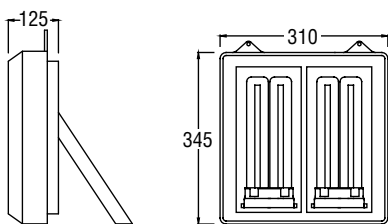
- Base completely in hard butyl **rubber double** insulated, degree of protection **IP65**.
- Frontal cover in colorless unbreakable **polycarbonate**.
- **Handle in rubber** for transport, metal brackets for wall-attachment, optional.
- Fluorescent tubes type DULUX FLAT 36W high efficiency 2.800 Lumen.
- Electronic ballast operating in high frequency. Immediate switching on of the lamp without troublesome frequent flickering present in normal lamps with electric-mechanical power supply.
- Socket CEE P17 IP67 or SCHUKO IP54 positioned on the external sheath (line-continuation).
- Insulation level (Regulation EN 60598-1) **I** or **III**.



Item	Description	Lumen	Equipment cable type H07RN-F
TAF36222AMPSX	Movable lamp 230V 36W FLAT with 1 socket SCHUKO 230V 16A 2P+E	2.800	5mt 3G2,5mm ² and loose plug CEE P17 230V 16A 2P+E IP67
TAF36222AMPS	Movable lamp 230V 36W FLAT with 1 socket CEE P17 230V 16A 2P+E	2.800	5mt 3G2,5mm ² and loose plug CEE P17 230V 16A 2P+E IP67
TAF364823MPS	Movable lamp 48V 36W FLAT with 1 socket CEE P17 48V 16A 2P	2.800	5mt 2x2,5mm ² and loose plug CEE P17 48V 16A 2P IP67
TAF362421MPS	Movable lamp 24V 36W FLAT with 1 socket CEE P17 24V 16A 2P	2.800	5mt 2x2,5mm ² and loose plug CEE P17 24V 16A 2P IP67

N.B. Further combinations are possible on request. Model with emergency-function page 85.

Series SOF



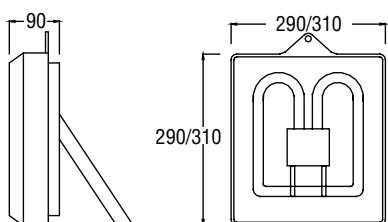
Features

- Frame in thermoplastic insulated shock-resistant self-extinguishing material with bumper-edges in rubber.
- Cap in transparent unbreakable polycarbonate resistant against heat and stabilised for UV-rays.
- Handle for transport and for the ground-positioning.
- Reflector in bright plastic material, cable-gland with internal clamp.
- Immediate switching on of the lamps without troublesome flickering.
- n. 2 fluorescent tubes type DULUX FLAT at **36W** high-efficiency 5.600 Lumen total (2.800x2), controlled individually by n.2 switches set under the transparent protection-sheath.
- Degree of protection **IP54**.
- Insulation level (Regulation EN 60598-1) **II** or **I** (version with schuko socket).
- Weight 3,6 Kg, (series SOF).

Item	Power	Lumen	Power-supply through 5mt neoprene cable H07RN-F and plug CEE P17 IP67 suitable for the power-supply voltage of the lamp N. 1 SOCKET CEE P17 IP67 OF DISTRIBUTION
SOF72222ADX	2x36W	5.600	230V Distribution nr.2 sockets Schuko IP54
SOF72222ADS	2x36W	5.600	230V
SOF724823DS	2x36W	5.600	48V
SOF722421DS	2x36W	5.600	24V

N.B. Further combinations are possible on request.

Series JOF



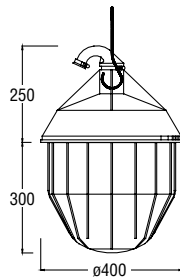
Features

- Frame in thermoplastic insulated shock-resistant self-extinguishing material with bumper-edges in rubber.
- Cap in transparent unbreakable polycarbonate resistant against heat and stabilised for UV-rays.
- Handle for transport and for the ground-positioning.
- Reflector in bright plastic material, cable-gland with internal clamp.
- Immediate switching on of the lamps without troublesome flickering.
- n. 1 fluorescent tube at **38W** or **55W** plug 2D, high-efficiency.
- Degree of protection **IP54** (38w), **IP65** (55W).
- Insulation level (Regulation EN 60598-1) **II**.
- Weight 2,5 Kg.

Item	Power	Lumen	Power-supply through 5mt neoprene cable H07RN-F and plug CEE P17 IP67 suitable for the power-supply voltage of the lamp
JOF55222AS	55W	4.000	230V
JOF38222AS	38W	2.850	230V
JOF384823S	38W	2.850	48V
JOF382421S	38W	2.850	24V

N.B. Further combinations are possible on request.

Series INDULUX 005-S



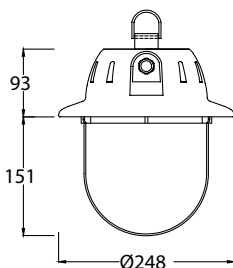
Features

- Base completely in **rubber** with cap in colorless and unbreakable polycarbonate.
- Reflector in pure aluminium.
- Metal closure-band in **stainless steel**.
- Suspension hook of the lamp.
- Electronic ballast in a.c. or in c.c. (on request). Immediate switching on of the lamps without troublesome flickering present in lamps with electric-mechanical power supply.
- Fluorescent tubes type DULUX T/E high efficiency.
- Degree of protection (lamp frame) **IP65**.
- Insulation level (Regulation EN 60598-1) I or II.

Item	Description	Lumen	Equipment cable type H07RN-F
IDF1684823S	Movable streetlamp 48V 4X42W complete with fluorescent lamps	12.800	5mt 2X1,5mm ² and plug CEE P17 48V 16A 2P IP67
IDF1682421S	Movable streetlamp 24V 4X42W complete with fluorescent lamps	12.800	5mt 2X2,5mm ² and plug CEE P17 24V 16A 2P IP67
IDF1044823S	Movable streetlamp 48V 4X26W complete with fluorescent lamps	7.200	5mt 2X1,5mm ² and plug CEE P17 48V 16A 2P IP67

N.B. Further combinations are possible on request.

Series LUX 300



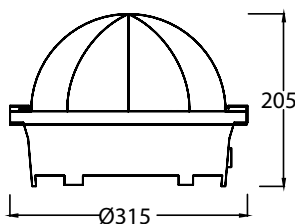
Features

- Base formed by a unique body in NYLON 6.6 loaded with fiberglass at 30%, shock-resistant, oil-resistant, acid-resistant and age-resistant, self-extinguishing (**VO**).
- Cap in colorless and unbreakable polycarbonate.
- Coupling of the cap and the base with perimeter gasket in rubber, closure with ring blocked by unmissable screws M5 with knob in aluminium.
- Base equipped with electronic power supply and fluorescent lamps or ceramic lampholder plug E27.
- Degree of protection (lamp frame) **IP65**.
- Insulation level (Regulation EN 60598-1) I or II.

Item	Description	Lumen	Equipment cable type H07RN-F
LX3E200222AS	Movable streetlamp 230V with lampholder E27 without bulb		5mt 3G1,5mm ² and plug CEE P17 230V 16A 2P+E IP67
LX3F6422AS	Movable streetlamp 230V 2x32W	4.800	5mt 3G1,5mm ² and plug CEE P17 230V 16A 2P+E IP67
LX3F644823S	Movable streetlamp 48V 2x32W	4.800	5mt 2x1mm ² and plug CEE P17 48V 16A 2P IP67
LX3F6448RC	Movable streetlamp 48V 2x32W terminal with perforation of insulating material for flat cable 2x25mm ²	4.800	
LX3F642421S	Movable streetlamp 24V 2x32W	4.800	5mt 2x1mm ² and plug CEE P17 24V 16A 2P IP67
LX3F5222AS	Movable streetlamp 230V 2x26W	3.600	5mt 3G1,5mm ² and plug CEE P17 230V 16A 2P+E IP67
LX3F524823S	Movable streetlamp 48V 2x26W	3.600	5mt 2x1mm ² and plug CEE P17 48V 16A 2P IP67
LX3F5248RC	Movable streetlamp 48V 2x26W terminal with perforation of insulating material for flat cable 2x25mm ²	3.600	
LX3F522421S	Movable streetlamp 24V 2x26W	3.600	5mt 2x1mm ² and plug CEE P17 24V 16A 2P IP67

N.B. Further combinations are possible on request.

Series ALL ROUND



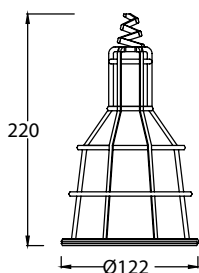
Features

- Base completely in rubber.
- Cap in colorless and unbreakable polycarbonate with closure-band equipped with suspension-hook.
- Reflector in pure aluminium with lampholder plug GY 6,35 for halogen lamps or electronic ballast and fluorescent lamps.
- Degree of protection IP55.
- Insulation level (Regulation EN 60598-1) I or II.

Item	Description	Lumen	Equipment cable type H07RN-F
ARH2004823S	Lamp with lampholder plug GY 6,35 2x100W 48V complete with lamp	4.400	5mt 2x1,5mm ² and plug CEE P17 48V 16A 2P IP67
ARH2002431S	Lamp with lampholder plug GY 6,35 2x100W 24V complete with lamp	4.400	10mt 2x2,5mm ² and plug CEE P17 24V 16A 2P IP67
ARH2002400	Lamp with lampholder plug GY 6,35 2x100W 24V complete with lamp	4.400	
ARF3648RC6	FLUORESCENT lamp 2x18W 48V with electronic ballast	2.400	With terminal terminal with perforation of insulating material for flat cable 2x6 mm ²
ARF362421S	FLUORESCENT lamp 2x18W 24V with electronic ballast	2.400	5mt 2x1,5mm ² and plug CEE P17 24V 16A 2P IP67

N.B. Further combinations are possible on request. Model with emergency-function page 84.

Series 2000



Features

- Protection housing for the lampholder plug E27 (max. 100W) for temporary catenary light fixtures.
- Monobloc execution in NILTER B R1 V0 insulated, self-extinguishing with a high resistance to mechanic solicitation like traction, twisting and general accidental shocks, resistant against reactions of petrol, basic acids, inorganic acids, benzol, oils, alkaline solutions and fats.
- Good resistance against accidental shocks preserving and protecting the lamp.
- Exit of the cable with rigid shanks of differential width and suitable for lampholder plug E27.
- Weight..... : 80 gr.
- Power max. installable : 100W.

Item	Description	Equipment cable type H07RN-F
2000B	Protection housing for catenary distribution, suitable for lampholder plug E27	
2001B	Protection housing for catenary distribution, complete with lampholder plug E27	
2001B10000CRC6	Protection housing for catenary distribution, suitable for lampholder plug E27 max 48V Complete with lampholder (lamp not included)	20cm 2x1mm ² terminal with perforation of insulating material for flat cable 2x6mm ²

N.B. Further combinations are possible on request.

Series FINCA

Features

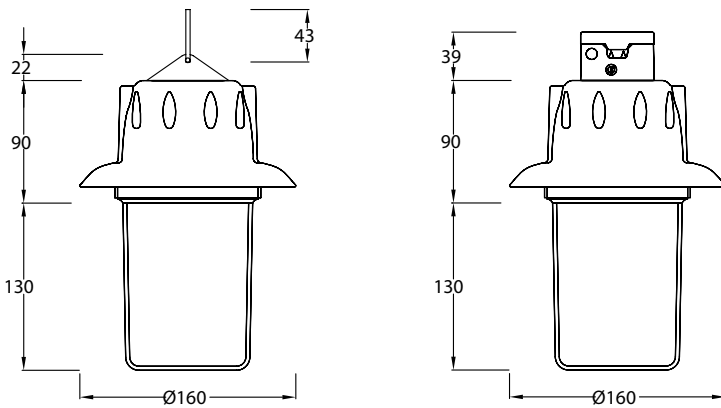
- Base formed by a unique body in NYLON 6.6 loaded with fiberglass at 30%, shock-resistant, oil-resistant, acid-resistant and age-resistant, self-extinguishing (V0).
- Cap in transparent polycarbonate with screw-attachment, for an excellent tightening against liquids and dust.
- "U"-shaped hook in stainless steel for the suspension or terminal with perforation of insulating material for flat cable.
- Possibility of the positioning of n.2 cable-glands pass PG 16 for the power-supply and line-continuation or power-supply through terminal with perforation of insulating material.
- Base equipped with lampholder plug E27 or with electronic power-supply and fluorescent lamps.
- Protection degree of the lamp frame **IP54**.
- Insulation level (Regulation EN 60598-1) **II** or **III**.



Item	Description	Lumen	Equipment Cable Type H07RN-F
FIE60222AS	Portable lantern 230V with lampholder plug E27 (without bulb)		5mt 3G1,5mm ² and plug CEE P17 230V 16A 2P+E IP67
FIE60222APS	Portable lantern 230V with lampholder plug E27 (without bulb) execution pass for catenary		2,5mt + 2,5mt 3G2,5mm ² with loose plug and socket CEE P17 230V 16A 2P+E IP67 For input and line continuation
FIE232200E	Portable lantern 230V with lampholder plug E27 complete with fluorescent lamp 23W	1.600	
FIF324823S	Portable lantern with electronic power-supply 48W and fluorescent lamp DULUX T/E 32W	2.400	5mt 2x1,5mm ² and plug CEE P17 48V 16A 2P IP67
FIF322421S	Portable lantern with electronic power-supply 24W and fluorescent lamp DULUX T/E 32W	2.400	5mt 2x1,5mm ² and plug CEE P17 24V 16A 2P IP67
FIF264823S	Portable lantern with electronic power-supply 48W and fluorescent lamp DULUX T/E 26W	1.800	5mt 2x1,5mm ² and plug CEE P17 48V 16A 2P IP67
FIF262421S	Portable lantern with electronic power-supply 24W and fluorescent lamp DULUX T/E 26W	1.800	5mt 2x1,5mm ² and plug CEE P17 24V 16A 2P IP67
FIF184823S	Portable lantern with electronic power-supply 48W and fluorescent lamp DULUX T/E 18W	1.200	5mt 2x1,5mm ² and plug CEE P17 48V 16A 2P IP67
FIF182421S	Portable lantern with electronic power-supply 24W and fluorescent lamp DULUX T/E 18W	1.200	5mt 2x1,5mm ² and plug CEE P17 24V 16A 2P IP67

N.B. Further combinations are possible on request. Model with emergency-function page 86.

LIGHTING CATENARY LIGHT FIXTURES



Item	Description	Lumen	Equipment Cable Type H07RN-F
FIF3248RC	Portable lantern 48W with lamp 32W DULUX T/E with terminal with perforation of insulating material for flat cable 2x25mm ²	2.400	
FIF3224RC	Portable lantern 24W with lamp 32W DULUX T/E with terminal with perforation of insulating material for flat cable 2x25mm ²	2.400	
FIF2648RC	Portable lantern 48W with lamp 26W DULUX T/E with terminal with perforation of insulating material for flat cable 2x25mm ²	1.800	
FIF2624RC	Portable lantern 24W with lamp 26W DULUX T/E with terminal with perforation of insulating material for flat cable 2x25mm ²	1.800	
FIF1848RC6	Portable lantern 48W with lamp 18W DULUX T/E with terminal with perforation of insulating material for flat cable 2x6mm 2x6mm ²	1.200	
FIF1824RC	Portable lantern 24W with lamp 18W DULUX T/E with terminal with perforation of insulating material for flat cable 2x25mm ²	1.200	

N.B. Further combinations are possible on request. Model with emergency-function page 86.

Series PAT

The "PHILOSOPHY OF THE CABLE CLAMP" starts with the knowledge of the importance of safety in electrical systems.

The company GIMAX S.r.l. has always operated with this cornerstone in mind, projecting and developing products that could guarantee the maximum safety in any type of work.

A system has been successfully developed that together with safety includes the simplicity of handling and the rapidity of the assembly.

On this note, some years ago, a "terminal with perforation of insulating material" was developed and produced, immediately nicknamed CABLE CLAMP that combines to the safety in working with low voltages at 24V and 48V, the possibility to lower considerably the installation time, with the simplicity of the assembly, for which the only tool necessary is a screwdriver.

For the use it is sufficient to have an appropriate flat cable, that is properly sectioned, to place "the cable clamp" on.

With the help of a screwdriver, the cover is put on with two screws, that with the tightening, determinate the penetration of the two points in the "cable clamp" on the cable, making in this way the connection.

When the contactpoint has to be changed, it is sufficient to unscrew the two screws and place the "cable clamp" on the new desired point; the cut left by the two points does not compromise the cable, because it is made of a special sheath that does not allow the leaking from capillaries, (specifics of the cable at page 67). The correct use of the "cable clamp" does not foresee any particular instructions seeing that the device is so simple.

Once it is placed on the cable, it is sufficient to tighten the two lateral screws in order to obtain the entry of the two points made of naval steel (INOX Aisi 316) in the cable until the contact is made. The two parts of the "cable clamp" close on to the cable, once it is tightened upto the maximum, in order to obtain the protection of the contacts.

Features

- Terminal with perforation of insulating material with reclining base and cover, hinged on one side, in fiberglass, shock-resistant, oil-resistant, acid-resistant and age-resistant, color BLACK.
- Material V0 non propagating the flame.
- Nr.2 contactpoints in stainless steel, fixing screws in stainless steel with bolt in brass that can not be lost.



Item	Description
PAT135	Terminal with perforation of insulating material suitable for nr.2 unipolar wires 1x35mm ²
PAT129	Terminal with perforation of insulating material suitable for flat wire 2x25mm ²
PAT121/6	Terminal with perforation of insulating material suitable for flat wire 2x6mm ²



art. 2001B10000CRC6

(item that can be consulted on page 75)



art. FIF3248RC

(item that can be consulted on page 77)



art. FIF2648HRC/EM/A

(item that can be consulted on page 86)



art. FIL1548RC

(item that can be consulted on page 96)



art. TAF1848RC6Z/EM

(item that can be consulted on page 85)



art. CPF36482/RC

(item that can be consulted on page 81)



art. LX3F5248RC

(item that can be consulted on page 74)



art. EK218482RC

(item that can be consulted on page 84)

Series COMPACT - Linear

Features

- Portable unbreakable light fixture with **rubber** sleeves.
- Transparent tube in **polycarbonate** diam. **50mm**, high resistance against shocks, crushing and bending.
- Rotating **hook** set on top of the lamp for hanging up.
- Screwable closure-bands in steel to prevent infiltrations of liquids and dust.
- **Electronic ballast** with CMOS technology in a.c. or c.c. (on request).
- Immediate switching on of the lamp without flickering.
- **Linear** fluorescent **tubes** of high efficiency and durability.
- Degree of protection **IP55/65**.
- Insulation level (Regulation EN 60598-1) **I** or **II**.



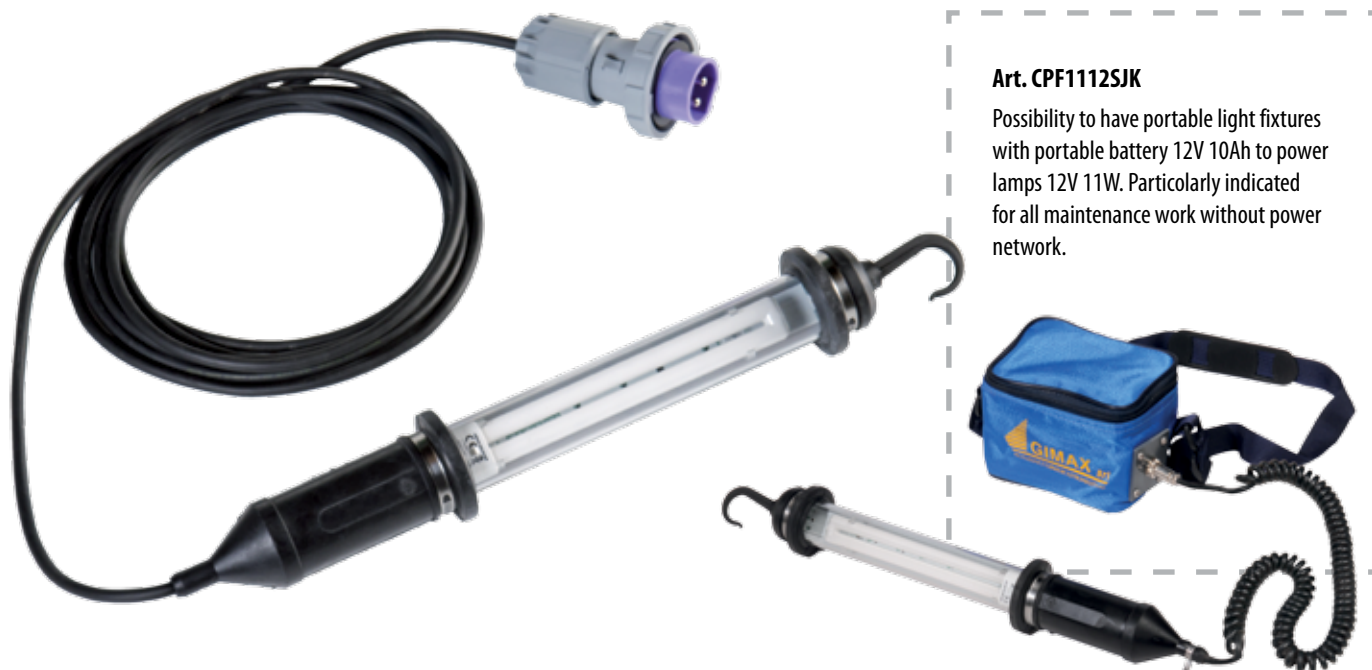
Item	Power-supply through 5mt neoprene cable H07RN-F and plug CEE P17 IP67 suitable for the power-supply voltage of the lamp	Power	Lumen	Length mm	ø Tube mm	Weight gr.
CPL18222AS	230V	18W	1.350	1.005	50	1.030
CPL184823S	48V	18W	1.350	1.005	50	1.030
CPL182421S	24V	18W	1.350	1.005	50	1.030
CPL36222AS	230V	36W	3.350	1.615	50	1.700
CPL364823S	48V	36W	3.350	1.615	50	1.700
CPL362421S	24V	36W	3.350	1.615	50	1.700
CPL58222AS	230V	58W	5.200	1.900	50	2.030
CPL584823S	48V	58W	5.200	1.900	50	2.030
CPL582421S	24V	58W	5.200	1.900	50	2.030
CPL18222APS	Model with pass on power-supply with 1,5mt + 1,5mt with plug and socket CEE P17 230V 16A 2P+E IP67	18W	1.350	1.040	50	1.140
CPL36222APS	Model with pass on power-supply with 1,5mt + 1,5mt with plug and socket CEE P17 230V 16A 2P+E IP67	36W	3.350	2.020	50	1.800

N.B. Further combinations are possible on request.

Series COMPACT

Features

- Portable unbreakable light fixture with **rubber** sleeves.
- Transparent tube in **polycarbonate** diam. **50mm** or **43mm** (for wattage upto 11W), high resistance against shocks, crushing and bending.
- Rotating **hook** set on top of the lamp for hanging up.
- Screwable closure-bands in steel to prevent infiltrations of liquids and dust.
- **Electronic ballast** with CMOS technology in a.c. or c.c. (on request).
- Immediate switching on of the lamp without flickering.
- Fluorescent **tubes** type **DULUX SE / L** of high efficiency and durability.
- On request the light fixtures of the COMPACT series, in all versions, can be assembled with linear fluorescent tubes.
- Degree of protection **IP55/65**.
- Insulation level (Regulation EN 60598-1) **I** or **II**.



Art. CPF1122SJK

Possibility to have portable light fixtures with portable battery 12V 10Ah to power lamps 12V 11W. Particularly indicated for all maintenance work without power network.

Item	Power-supply through 5mt neoprene cable H07RN-F and plug CEE P17 IP67 suitable for the power-supply voltage of the lamp	Power	Lumen	Length mm	Ø Tube mm	Weight gr.
CPF07222AS	230V	7W	400	395	43	475
CPF074823S	48V	7W	400	395	43	475
CPF072421S	24V	7W	400	395	43	475
CPF071220	12V without loose	7W	400	395	43	475
CPF09222AS	230V	9W	600	430	43	486
CPF094823S	48V	9W	600	430	43	486
CPF092421S	24V	9W	600	430	43	486
CPF091220	12V without loose	9W	600	430	43	486
CPF11222AS	230V	11W	900	495	43	516
CPF114823S	48V	11W	900	495	43	516
CPF112421S	24V	11W	900	495	43	516
CPF111220	12V without loose plug	11W	900	495	43	516

N.B. Further combinations are possible on request.

Series COMPACT



Item	Power-supply through 5mt neoprene cable H07RN-F and plug CEE P17 IP67 suitable for the power-supply voltage of the lamp	Power	Lumen	Length mm	Ø Tube mm	Weight gr.
CPF18222AS	230V	18W	1.200	635	50	580
CPF184823S	48V	18W	1.200	635	50	580
CPF182421S	24V	18W	1.200	635	50	580
CPF181220	12V without loose plug	18W	1.200	635	50	580
CPF24222AS	230V	24W	1.800	745	50	610
CPF244823S	48V	24W	1.800	745	50	610
CPF242421S	24V	24W	1.800	745	50	610
CPF241220	12V without loose plug	24W	1.800	745	50	610
CPF36222AS	230V	36W	2.900	835	50	820
CPF364823S	48V	36W	2.900	835	50	820
CPF362421S	24V	36W	2.900	835	50	820
CPF55222AS	230V	55W	4.800	995	50	990
CPF554823S	48V	55W	4.800	995	50	990
CPF552421S	24V	55W	4.800	995	50	990
CPF36482/RC	48V with terminal with perforation of insulating material for flat wire 2x25mm ²	36W	2.900	835	50	820

N.B. Further combinations are possible on request.



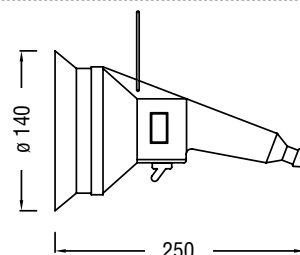
Item	Power-supply through 5mt neoprene cable H07RN-F and plug CEE P17 IP67 suitable for the power-supply voltage of the lamp	Power	Lumen	Length mm	Ø Tube mm	Weight gr.
CPF36221APS	Pass on wire 1,5mt +1,5mt with plug and socket CEE P17 230V 16A 2P+E IP67	36W	2.900	840	50	910

N.B. Further combinations are possible on request.

Series AVIO

Features

- Frame of light fixture completely in **rubber** with bumper-edges to protect the tempered glass.
- Anatomical handle for a good grip.
- Reflector in bright aluminium with concentrated beam or diffused light.
- Switch with three positions, ON-OFF-TEMPORARY, with rubber protection-cap.
- Long-lasting halogen lamp with good light rendering, universal plug GY6,35 and G4 changeable max 100W.
- Ring to hang up the lamp and closure-bands in steel.
- Degree of protection **IP54**. Weight 830gr.
- Protection-grill of the glass, in stainless steel, optional.
- Insulation level (Regulation EN 60598-1) **I or III**.



Item	Description	Lumen	Power-supply
AVHC5022SAS	Inspection lamp 230V 50W with CONCENTRATED LIGHT	900	Spiral-wire max extension 5mt and plug CEE P17 230V 16A 2P+E IP67
AVHD50222AS	Inspection lamp 230V 50W with DIFFUSED LIGHT	900	5mt. Cable H07RN-F sect. 3G1 and plug CEE P17 230V 16A 2P+E IP67
AVHC1002421S	Inspection lamp 24V 100W with CONCENTRATED LIGHT	2.200	5mt. Cable H07RN-F sect. 2x1,5mm ² and plug CEE P17 24V 16A 2P IP67
AVHD1002421S	Inspection lamp 24V 100W with DIFFUSED LIGHT	2.200	5mt. Cable H07RN-F sect. 2x1,5mm ² and plug CEE P17 24V 16A 2P IP67
AVHC502421S	Inspection lamp 24V 50W with CONCENTRATED LIGHT	900	5mt. Cable H07RN-F sect. 2x1,5mm ² and plug CEE P17 24V 16A 2P IP67
AVHD502421S	Inspection lamp 24V 50W with DIFFUSED LIGHT	900	5mt. Cable H07RN-F sect. 2x1,5mm ² and plug CEE P17 24V 16A 2P IP67
AVHC2012SJK	Inspection lamp 12V 20W with CONCENTRATED LIGHT with portable battery 10Ah re-chargeable placed in bag	320	Spiral-wire extendable from 1 to 4mt sect. 2x1mm ² with appropriate JACK plug for attachment of battery

N.B. Further combinations are possible on request.

Series MAN



Features

- Rubber **handle** with **galvanized metal** casing.
- Tempered protection **glass** fixed with screwable band.
- **Rubber** bumper-ring and hook for hanging up.
- Anti-glare **screen** for the halogen bulb version.
- Degree of protection **IP40**. Weight 760gr.
- Insulation level (Regulation EN 60598-1) **II or II**.

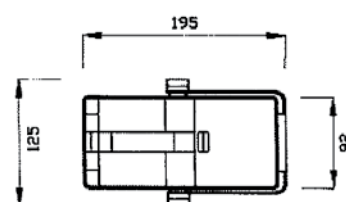
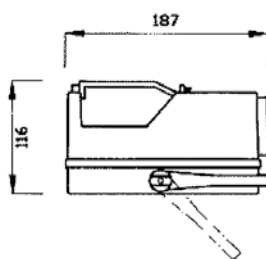
Item	Description	Lumen	Power-supply
MAE1002200	Portable light with plug E27 230V without bulb		
MAE100222AS	Portable light with plug E27 230V without bulb		5mt. Cable H07RN-F sect. 2x1mm ² and plug CEE P17 230V 16A 2P+E IP67
MAH1002400	Portable light with halogen 24V 100W with plug type GY6,35	2.200	
MAH1002421S	Portable light with halogen 24V 100W with plug type GY6,35	2.200	5mt. Cable H07RN-F sect. 2x1mm ² and plug CEE P17 24V 16A 2P IP67

N.B. Further combinations are possible on request.

Series LER

Features

- Frame in black ABS shock-resistant.
- Front screen in unbreakable transparent polycarbonate stabilised against UV-rays.
- Reflector for concentrated light beam with bright finishing.
- Main halogen bulb 6V-10W plug G4 with high luminous efficiency (200 lumen).
- Secondary incandescent light 6V-1,2W double-pinned plug.
- Control panel with incorporated controls and signals: differential switching on of the two lights also with flickering function. Emergency function: with light placed in the battery charger push the button "ON" of the main or the secondary light. When power on the network is missing, the chosen emergency light will automatically switch on. Automatic switching of the main light to the secondary when the battery is nearly empty (autonomy of the light after switching is 30 minutes).
- Battery charger module functions at 230Vac and at 12/24Vcc, with necessary powercables in the equipment.
- Recharging-time: 17h a.c (100%), 6h a.c (80%).



Item	Description	Autonomy Battery	Dimensions	Weight	Protection degree
LER	Portable light with emergency function	3h principallight 20h secondary light	205x180x128 mm (LxHxW) Battery-charger seperated from the light fixture	1,8 Kg approx.	IP 54

Series HALO



Features

- Frame: in black (ABS) shock-resistant unbreakable plastic.
- Optical group: with handle and articulated joint to make the light fixture adjustable 90° back and 20° forward.
- Lens: in transparent unbreakable methacrylate to protect the optical group (concentrated light beam).
- Reflector: completely in moulded aluminium with final superficial treatment in quartz.
- The lamp powered with a netcable enters automatically in emergency-mode (switching on) when the power is missing.
- Lighting groups: main bulb: halogen 3,4W - secondary bulb: incandescent 1,1W, the secondary bulb is automatically switched on in case the filament of the main bulb breaks and before the protection against the complete discharge steps in.
- Equipment: n°1 transparent methacrylate lens to obtain a diffused light - n°1 yellow methacrylate lens for emergency-signals.
- Battery charger module functions at 230Vac and at 12/24Vcc, with necessary powercables in the equipment.
- Recharging-time: 15h a.c (100%), 5h a.c (80%).

Item	Description	Autonomy Battery	Dimensions	Weight	Protection degree
HALO4	Portable light with emergency function	3h principallight 10h secondary light	104 x 280 x 72mm (L x H x W) Battery-charger seperated from the light fixture	1Kg approx.	IP 55
HALO4EX	Portable light with emergency function suitable for zone II 2G Exe ib IIT4	3h principallight 10h secondary light	104 x 280 x 72mm (L x H x W) Battery-charger seperated from the light fixture	1,4Kg approx.	IP 55

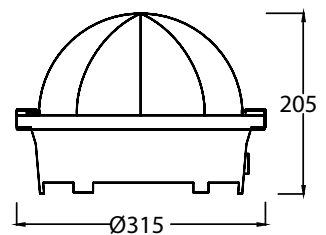
Series ALL ROUND

Features

- Base completely in rubber.
- Cap in colorless unbreakable polycarbonate with closure-band equipped with suspension-hook.
- Reflector in white anodized aluminium.
- Electronic ballast operating in high frequency. Immediate switching on of the lamps without troublesome flickering present in normal lamps with electric-mechanical power supply.
- Nr.2 Fluorescent lamps DULUX T/E 18W.
- Lampholders with rotating safety-block to avoid falling out of the bulbs in case of vertical positioning or in case of shocks or vibrations.
- Permanent light bulb with emergency-mode equipped with internal battery Ni-MH of high capacity.
- Red led-light-indicator to show the presence of power on the network.
- Yellow led-light-indicator to show the state of the battery-charger: (battery-charger switched on), (battery-charger switched off, in back-up).
- Autonomy in emergency 1h + residual of the charge for an eventual following emergency-cycle.
- Recharging-time: 6h a.c (complete charge), 4h a.c (charge to guarantee 60min. of autonomy).
- Degree of protection **IP55**.
- Insulation level (Regulation EN 60598-1) **I**.

PRINCIPLE OF THE FUNCTIONING

The light is regularly switched on in the presence of electricity, in this case the internal battery charger is maintained. When electricity is missing, both lamps remain switched on in the EMERGENCY-mode with instant switching, not-noticeable to the human eye. When electricity turns back on, the lamp automatically exits from the EMERGENCY-mode re-charging the internal battery. After 1h in emergency-mode the lamp switches off to maintain a reserve of the battery-charge to be able to face a possible future absence of electricity before the minimal time of 4h re-charging time has passed, necessary to guarantee 60min. of autonomy.



Item	Description	Lumen	Equipment Cable Type H07RN-F
EK21848EM	Emergency light 2x18W 48V	2.400	
EK2184823	Emergency light 2x18W 48V	2.400	5mt 2x1,5mm ² and loose plug CEE P17 48V 16A 2P
EK218482RC	Emergency light 2x18W 48V	2.400	5mt 2x1,5mm ² and terminal with perforation of insulating material for flat wire 2x25mm ²

N.B. Further combinations are possible on request.

Series TAU

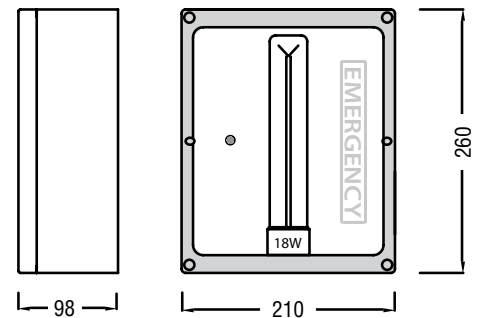
Features

- Base completely in double insulated hard **butyl rubber**.
- Front cover in colorless unbreakable polycarbonate.
- Metal brackets for wall-attachment, optional.
- Reflector in bright aluminium.
- Electronic ballast operating in high frequency. Immediate switching on of the lamps without troublesome flickering present in normal lamps with electric-mechanical power supply.
- Fluorescent lamp DULUX L 18W.
- Lampholder with safety-block to avoid accidental falling-out of the bulb in case of shocks or vibrations.
- Permanent light bulb with emergency-mode equipped with internal battery Ni-MH of high capacity.
- Red led-light-indicator to show the presence of power on the network.
- Autonomy in emergency 1h + residual of the charge for an eventual following emergency-cycle.
- Recharging-time: 6h a.c (complete charge), 4h a.c (charge to guarantee 60min. of autonomy).
- Degree of protection IP65.
- Insulation level (Regulation EN 60598-1) **I** or **III**.

PRINCIPLE OF THE FUNCTIONING

The light is regularly switched on in the presence of electricity, in this case the internal battery charger is maintained. When electricity is missing, the lamp remains switched on in the EMERGENCY-mode with instant switching, not-noticeable to the human eye. When electricity turns back on, the lamp automatically exits from the EMERGENCY-mode re-charging the internal battery. After 1h in emergency-mode the lamp switches off to maintain a reserve of the battery-charge to be able to face a possible future absence of electricity before the minimal time of 4h re-charging time has passed, necessary to guarantee 60min. of autonomy.

(The lamp can be also made with the sole-function of emergency, switched off in presence of power on the network).



Item	Description	Lumen	Equipment Cable Type H07RN-F
TAF18222ASZ/EM	Movable emergency light 230V 18W DULUX L predisposed for wall-attachment through metal brackets	1.200	5mt 3G1,5mm ² and loose plug CEE P17 230V 16A 2P+E IP67
TAF184823SZ/EM	Movable emergency light 48V 18W DULUX L predisposed for wall-attachment through metal brackets	1.200	5mt 2x1mm ² and loose plug CEE P17 48V 16A 2P IP67
TAF18482RC6Z/EM	Movable emergency light 48V 18W DULUX L predisposed for wall-attachment through metal brackets	1.200	5mt 2x1mm ² and terminal with perforation of insulating material for flat wire 2x6mm ²
TAF182421SZ/EM	Movable emergency light 24V 18W DULUX L predisposed for wall-attachment through metal brackets	1.200	5mt 2x1mm ² and loose plug CEE P17 24V 16A 2P IP67

N.B. Further combinations are possible on request.

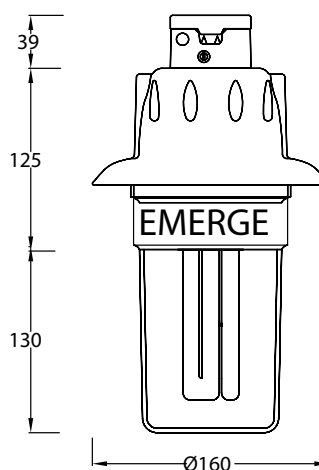
Series FINCA

Features

- Base formed from an unique structure in orange Nylon 6.6 loaded with 30% fiberglass 30%, shock-resistant, oil-resistant, acid-resistant and age-resistant, self-extinguishing (V0).
- Cap in transparent polycarbonate with screw-attachment, for an excellent closure against liquids and dust.
- “U”-shaped hook in stainless steel for hanging up, (optional).
- Power-supply through terminal with perforation of insulating material or cable-gland pass Pg 13,5.
- Electronic ballast operating in high frequency. Immediate switching on of the lamps without troublesome flickering present in normal lamps with electric-mechanical power supply.
- Fluorescent lamp DULUX T/E 26W.
- Lampholder with rotating safety-block to avoid falling out of the bulb in case of shocks or vibrations, also when positioned vertically.
- Permanent light bulb with emergency-mode equipped with internal battery Ni-MH of high capacity.
- Red led-light-indicator to show the presence of power on the network.
- Yellow led-light-indicator to show the state of the battery-charger: (battery-charger switched on), (battery-charger switched off, in back-up).
- Autonomy in emergency 1h + residual of the charge for an eventual following emergency-cycle.
- Recharging-time: 6h a.c (complete charge), 4h a.c (charge to guarantee 60min. of autonomy).
- Degree of protection lamp structure **IP55**.
- Insulation level (Regulation EN 60598-1) **II**.

PRINCIPLE OF THE FUNCTIONING

The light is regularly switched on in the presence of electricity, in this case the internal battery charger is maintained. When electricity is missing, the lamp remains switched on in the EMERGENCY-mode with instant switching, not-noticeable to the human eye. When electricity turns back on, the lamp automatically exits from the EMERGENCY-mode re-charging the internal battery. After 1h in emergency-mode the lamp switches off to maintain a reserve of the battery-charge to be able to face a possible future absence of electricity before the minimal time of 4h re-charging time has passed, necessary to guarantee 60min. of autonomy.



Item	Description	Lumen	Logic of functioning
FIF2648HRC6/EM/A	Portable lantern 48V with bulb 26W DULUX T/E with terminal with perforation of insulating material for flat wire 2x6mm ² with metal hook for suspension	1.800	Emergency and permanent function (light always switched on)
FIF2648HRC/EM/A	Portable lantern 48V with bulb 26W DULUX T/E with terminal for perforation of insulating material for flat wire 2x25mm ² with metal hook for suspension	1.800	Emergency and permanent function (light always switched on)
FIF2624HRC6/EM/A	Portable lantern 24V with bulb 26W DULUX TE with terminal for perforation of insulating material for flat wire 2x6mm ² with metal hook for suspension	1.800	Only emergency, light switched on in case of absence of power

N.B. Further combinations are possible on request.

Series COMPACT

Features

- Portable lamp with battery.
- Tube in polycarbonate diam. 50mm transparent with stripes, to increase the diffusion of the light beam, very high resistance against shocks, crushing and bending.
- Rubber handle and cap with bumper-edges and stainless steel screwable closure-bands to prevent infiltrations against liquids and dust.
- DIN connector positioned below the grip equipped with a dust-resistant cap IP65 with anchorage-chain to the structure for the recharging of the internal battery.
- Electronic ballast operating at high frequency with control circuit of the charge-status of the accumulators and the led-indicators.
- Nr.1 halogen lamp **10W** (130 lumen) for the inspection with directional reflector positioned in front of the lamp.
- Nr.1 fluorescent bulb DULUX S/E **9W** (600 lumen) for diffused lighting.
- Autonomy of the battery 2h a.c with fluorescent lamp switched on.
- Recharging-time: 5h a.c (complete charge).
- Degree of protection **IP55**.
- Insulation level (Regulation EN 60598-1) **II**.

PRINCIPLE OF THE FUNCTIONING

The switching on of the two light modules is controlled by two switches situated under the grip indicated by the letters "A" and "F" for the switching on and off of both lamps in an alternate or contemporary way. The connection of the lamp with the re-charging unit (optional) causes the turning off of the module in case it is switched on; The consequent disconnection or absence of power on the network starts the fluorescent light module, (Emergency-mode).



Item	Description	Length mm	Weight gr.	Equipment type
CPFH19120QRS1/EM	Portable light with battery with fluorescent bulb DULUX 9W and halogen spot 10W	740	580	
CPFH19120QRS1/CBAT	Portable light with battery with fluorescent bulb DULUX 9W and halogen spot 10W	740	580	Battery charger model "PRCB06"

BATTERY-CHARGER UNIT (optional): ART. PRCB06

- Battery-charger with micro-controller for the optimization of the recharging proces of the remote accumulators, in technology PWM.
- Battery-controller with c.c. charger.
Recharging-time: 5h a.c (to reach 100% autonomy).
- Equipped with n.3 LED-light signals: - Presence power on network; - Current charge; - Terminated charge.
- Interface with portable lamp through loose connector DIN and 1,5mt of neoprene cable H07RN-F 2x1mm².
- Power-supply through loose plug CEE P17 230V 16A 2P+E IP67 and 1,5mt of neoprene cable H07RN-F 3G1,5mm².
- Everything assembled in hard butyl rubber box series PRISMA-GIMAX protection degree IP54.



Features

- Tube lamp in methacrylate or borosilicate glass.
- Watertight side-locks IP67.
- Painted aluminium reflecting slide.
- Electronic ballast with CMOS technology in a.c. or in c.c. mode (on request), working temperature -20°C +50°C.
- Immediate switching on of the lamps without flickering.
- Fluorescent tubes type DULUX or Linear.
- Cable-gland IP68 with anti-ripping device.
- Supporting brackets (optional).
- Insulation level (Regulation EN 60958-1) I.

N.B. For close examination and further combinations please take a look at our catalogue GIMAX "INDUSTRIAL LIGHTING AND ACCESSORIES".

Series BDM Ø 70



Item version in methacrylate	Voltage	Power	Bulb	Lumen	Length mm	Input cable-gland
BDMM55220	230V	55W	Dulux L	4.800	825	PM20
BDMM55240	24V	55W	Dulux L	4.800	825	PM20
BDMM36220	230V	36W	Dulux L	2.900	700	PM20
BDMM36240	24V	36W	Dulux L	2.900	700	PM20
BDMM24220	230V	24W	Dulux L	1.800	605	PM20
BDMM24240	24V	24W	Dulux L	1.800	605	PM20
BDMM18220	230V	18W	Dulux L	1.200	505	PM20
BDMM18240	24V	18W	Dulux L	1.200	505	PM20
BDMM36220L	230V	36W	Linear	3.350	1.490	PM20
BDMM36240L	24V	36W	Linear	3.350	1.490	PM20
BDMM18220L	230V	18W	Linear	1.350	880	PM20
BDMM18240L	24V	18W	Linear	1.350	880	PM20

N.B. All versions are also available with tube in Borosilicate Glass.

Series BDS Ø 60



Item version in methacrylate	Voltage	Power	Bulb	Lumen	Length mm	Input cable-gland
BDSM55220	230V	55W	Dulux L	4.800	815	PM16
BDSM55240	24V	55W	Dulux L	4.800	815	PM16
BDSM36220	230V	36W	Dulux L	2.900	690	PM16
BDSM36240	24V	36W	Dulux L	2.900	690	PM16
BDSM24220	230V	24W	Dulux L	1.800	595	PM16
BDSM24240	24V	24W	Dulux L	1.800	595	PM16
BDSM18220	230V	18W	Dulux L	1.200	495	PM16
BDSM18240	24V	18W	Dulux L	1.200	495	PM16
BDSM36220L	230V	36W	Linear	3.350	1.490	PM16
BDSM36240L	24V	36W	Linear	3.350	1.490	PM16
BDSM18220L	230V	18W	Linear	1.350	880	PM16
BDSM18240L	24V	18W	Linear	1.350	880	PM16

N.B. All versions are also available with tube in Borosilicate Glass.

Series BDGP Ø 50

Features

- Tube lamp in polycarbonate.
- Watertight side-locks IP67.
- Painted aluminium reflecting slide.
- Electronic ballast with technology CMOS in a.c. or in c.c. mode (on request), working temperature -20°C +50°C.

- Immediate switching on of the lamps without flickering.
- Fluorescent tubes type DULUX or Linear.
- Cable-gland IP68 with anti-ripping device.
- Supporting brackets (optional).
- Insulation level (Regulation EN 60958-1) I.



Item	Voltage	Power	Bulb	Lumen	Length mm	Input cable-gland
BDGP55220	230V	55W	Dulux L	4.800	775	PM16
BDGP55240	24V	55W	Dulux L	4.800	775	PM16
BDGP36220	230V	36W	Dulux L	2.900	650	PM16
BDGP36240	24V	36W	Dulux L	2.900	650	PM16
BDGP24220	230V	24W	Dulux L	1.800	560	PM16
BDGP24240	24V	24W	Dulux L	1.800	560	PM16
BDGP18220	230V	18W	Dulux L	1.200	460	PM16
BDGP18240	24V	18W	Dulux L	1.200	460	PM16
BDGP36220L	230V	36W	Linear	3.350	1.480	PM16
BDGP36240L	24V	36W	Linear	3.350	1.480	PM16
BDGP18220L	230V	18W	Linear	1.350	870	PM16
BDGP18240L	24V	18W	Linear	1.350	870	PM16

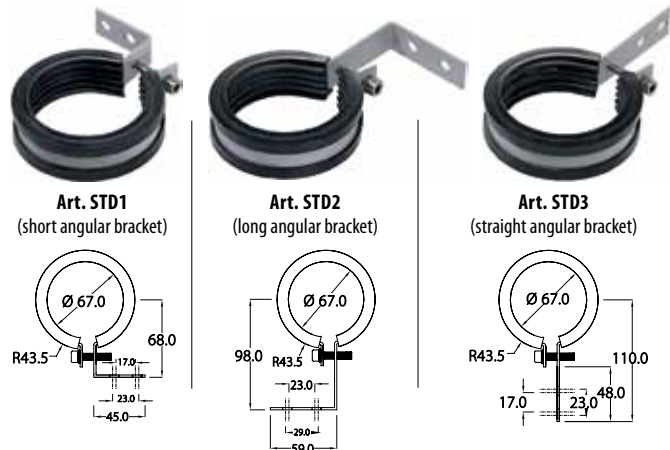
N.B. Also available with side-caps complete with fixing brackets (add "S" at the end of to the item).

For close examination and further combinations please take a look at our catalogue GIMAX "INDUSTRIAL LIGHTING AND ACCESSORIES".

Fixing accessories

Features

- Fixing brackets in galvanized steel for lamps Ø 70mm.
- Blocking-device with screws in stainless steel.
- Internal rubber band resistant against oils, acids and industrial solvents and with a high elasticity to absorb any vibrations of the machinery on which the lamp is installed.



Features

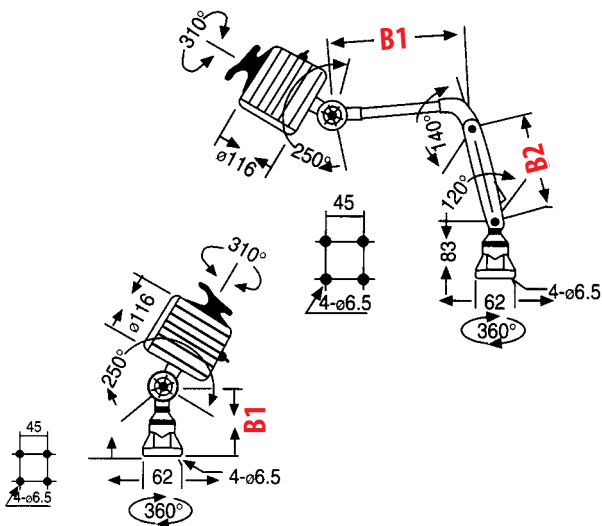
- Fixing brackets in polypropylene for lamps Ø 60/50 mm.
- Excellent chemical resistance against inorganic acids and alkaline solutions.
- Working temperature max. from -40°C to +90°C.



Series ORIENTAL TRY

Features

- Frame in painted die-cast aluminium with upper handle for orientation.
- Watertight front closure with screws for access to the bulb.
- Long-lasting halogen bulb (2.000 hours) with high luminous rendering plug PK22s.
- Tube-shaped bearing segment in die-cast aluminium.
- Articulated joints in insulated material with watertight adjustable friction.
- Lamps equipped with perforated base for screw-fixing.
- Special shock-resistant tempered glass.
- Reflector in bright aluminium with wide beam.
- Switch ON-OFF placed on the back of the lamp.
- Degree of protection **IP65**.
- Insulation level (Regulation EN 60598-1) III or II (lamps with 230V power-supply).



Item	Voltage	Power	Lumen	Length arms mm	
				B1	B2
TRH702428	24V	70W	1.750	490	420
TRH702427	24V	70W	1.750	490	320
TRH702426	24V	70W	1.750	380	220
TRH702425	24V	70W	1.750	280	200
TRH702400	24V	70W	1.750	109	
TRH552228	230V with internal transformer	55W	1.450	490	420
TRH552227	230V with internal transformer	55W	1.450	490	320
TRH552226	230V with internal transformer	55W	1.450	380	220
TRH552225	230V with internal transformer	55W	1.450	280	200
TRH551200	12V	55W	1.450	109	

N.B. For close examination and further combinations please take a look at our catalogue GIMAX "INDUSTRIAL LIGHTING AND ACCESSORIES".

Halogen beamlights series ITALY - POWER – TUNNEL (page 70 and page 71)



Item	Features	Item	Features
ART. LAL1000/220	Halogen bulb 230V 1000W	ART. CAVPO2	Trestle in metal tubular for beamlights ITALY
ART. LAL1500/220	Halogen bulb 230V 1500W	ART. TE180	Telescopic stand h=1095/1870mm
ART. LAL500/220	Halogen bulb 230V 500W	ART. MGP01	Permanent magnet for attachment beamlights on metal walls
ART. HAL0100/24	Halogen bulb 24V 100W	ART.MXVE02	Spare-glass for beamlights
ART. GBM01	Shock-resistant housing in electro-zinc-plated steel for beamlights ITALY		

Halogen beamlights series FLOR - TAU - SOF - OF (page 72 and page 73)



Item	Features	Item	Features
ART. TACOP	Cover in transparent polycarbonate for series TAU	ART. SOFPOLI	Cap in polycarbonate light series SOF
ART. LD136D230	Power-supply 1X36W 230V	ART. JOPAR	Internal reflector light series JOF
ART. LD136D048	Power-supply 1X36W 48V	ART. JOPOLI	Cap in polycarbonate light series JOF
ART. LD136D024	Power-supply 1X36W 24V	ART. LF036F	Spare fluorescent bulb 36W FLAT
ART. TE180	Telescopic stand h=1095/1870mm	ART. LF038J	Spare fluorescent bulb 2D 38W
ART. STAF/SOF/STATIVO	Fixing bracket light series SOF and JOF on stand	ART. LF055J	Spare fluorescent bulb 2D 55W

Streetlamp Series INDULUX - LUX 300 - ALL ROUND (page 74 and page 75)



Item	Features	Item	Features
ART. 0055	Spare frame for INDULUX	ART. LUX300/1	Cover in black polycarbonate for LUX 300
ART. LD442T048	Power supply 4X42W Dulux T/E 48V for INDULUX	ART. LXPOLI	Cap in polycarbonate for LUX 300
ART. LD442T024	Power supply 4X42W Dulux T/E 24V for INDULUX	ART. LD232T048C152	Power supply FLD 2x32W Dulux T/E 48V
ART. LD426T048	Power supply 4X26W Dulux T/E 48V for INDULUX	ART. LD242T024C152	Power supply FLD 2x42W Dulux T/E 24V
ART. LF026TE	Spare fluorescent bulb DULUX 26W TE	ART. LF042TE	Spare fluorescent bulb DULUX 42W TE

Streetlamp Series FINCA (page 76-77 and page 86)



Item	Features	Item	Features
ART. FINCA	Black base	ART. FINCA/EXT	Ring for extension for battery housing
ART. FINCA/AR	Orange base	ART. LD126T048C/EM	Circular power-supply for emergency 26W Dulux T/E 48V
ART. FINCPOLI	Cap in transparent polycarbonate	ART. LD126T024C/EM	Circular power-supply for emergency 26W Dulux T/E 24V
ART. LD132T048C92	Circular power-supply 32W Dulux T/E 48V	ART. BATT103	Pack Batt. Ni-MH 1.Ah 15.6V Size.AAx13
ART. LD132T024C92	Circular power-supply 32W Dulux T/E 24V	ART. PAT121/6	Terminal for perforation of insulating material of wire 2X6mm ²
ART. LD126T048C92	Circular power-supply 26W Dulux T/E 48V	ART. LF032TE	Spare fluorescent bulb 32W DULUX T/E
ART. LD126T024C92	Circular power-supply 26W Dulux T/E 24V	ART. LF026TE	Spare fluorescent bulb 26W DULUX T/E
ART. LD118T048C92	Circular power-supply 18W Dulux T/E 48V	ART. LF018TE	Spare fluorescent bulb 18W DULUX T/E
ART. LD118T024C92	Circular power-supply 18W Dulux T/E 24V		

Lights Series COMPACT (page 79÷81 and page 87)



Item	Features	Item	Features
ART. MGP01	Magnet for fixing lamp on metal parts	ART. LF018L	Spare fluorescent bulb DULUX L 18W
ART. OBO/01	Collar for fixing lamp to wall	ART. LF024L	Spare fluorescent bulb DULUX L 24W
ART. OBO/0101	Collar for fixing lamp to tubular Ø 50 mm.	ART. LF036L	Spare fluorescent bulb DULUX L 36W
ART. PRCB06	Battery-charger series PRCB with rubber case for light series CPFH.	ART. LF055L	Spare fluorescent bulb DULUX L 55W
ART. LF007SE	Spare fluorescent bulb DULUX SE 7W	ART. LF018LN	Spare fluorescent bulb LINEAR 18W
ART. LF009SE	Spare fluorescent bulb DULUX SE 9W	ART. LF036LN	Spare fluorescent bulb LINEAR 36W
ART. LF011SE	Spare fluorescent bulb DULUX SE 11W	ART. LF058LN	Spare fluorescent bulb LINEAR 58W
		ART. HALO10/12	Spare halogen bulb 10W 12V plug G4

Lights Series AVIO - MAN (page 82)



Item	Features	Item	Features
ART. AVVE01	Spare tempered glass for inspection light series AVIO	ART. MAN/03	Spare glass for light series MAN
ART. AVIO/GR	Protection grill in zinc-plated steel for glass light series AVIO	ART. MAN/06	Anti-glare screen for light series MAN
ART. CB01	Battery charger voltage 230V output 13,8V, 800mA, recharge-cycle 12 hours, with indicator for charge-level and JACK plug for battery attachment	ART. HALO100/24	Spare halogen light 24V 100W
		ART. HALO50/24	Spare halogen light 24V 50W
		ART. HALO50/22	Spare halogen light 230V 50W
ART. YU9.5/12	Spare battery for bag with strap 12V 12Ah	ART. HALO20/12	Spare halogen light 12V 20W

Since the invention of the incandescent electrical bulb by Thomas Edison, humanity has slowly begun to free himself from the rhythms imposed by daylight. Since then the innovations in the artificial lighting sector have developed regularly. After the incandescent lamps came the mercury-gas, the fluorescent, the sodium-gas and the metal halide lamps; every type of lamp has particular employment features. In brief time (approx. 150 years) the most suitable solutions have been found for every lighting necessity in different employment sectors, up until the point that around 20% of the electricity produced is used for artificial lighting. The LED, recent element invented by chance, did not seem to have a future in lighting in the beginning, but only as indicator. In 1994 the revolution took place of the Solid State Lighting (SSL) in the laboratories of the Nichia Chemical Industries Corporation; Shuji Nakamura developed the first blue LED at high luminosity, and consequently the production of white LEDs, combining the blue with yellow phosphorus, started. The traditional light sources have not been subject to substantial changes in efficiency in the last thirty years, reaching its full potential, up until a point that the less efficient, incandescent bulbs are slowly going out of production. Instead, the new technology in solid state (Led) has passed in the last ten years from an

efficiency of 15-20 lm/W to over 160 lm/W (25° C), this puts the LED as primary source of artificial lighting in the near future for any type of employment, in particular there where energy conservation is of absolute importance for humanity.

PRINCIPLE OF FUNCTIONING

The diode LED is a semi-conductor with "PN" junction that bases its functioning on the capacity to convert electrical energy directly in light. The color of the generated light from the foto-emitter depends on the material with which the junction is made. The research of the materials of the semi-conductors and their composites has represented a fundamental point for the development of the foto-emitters, with the discovery of new materials, the LED has had its final growth and success.

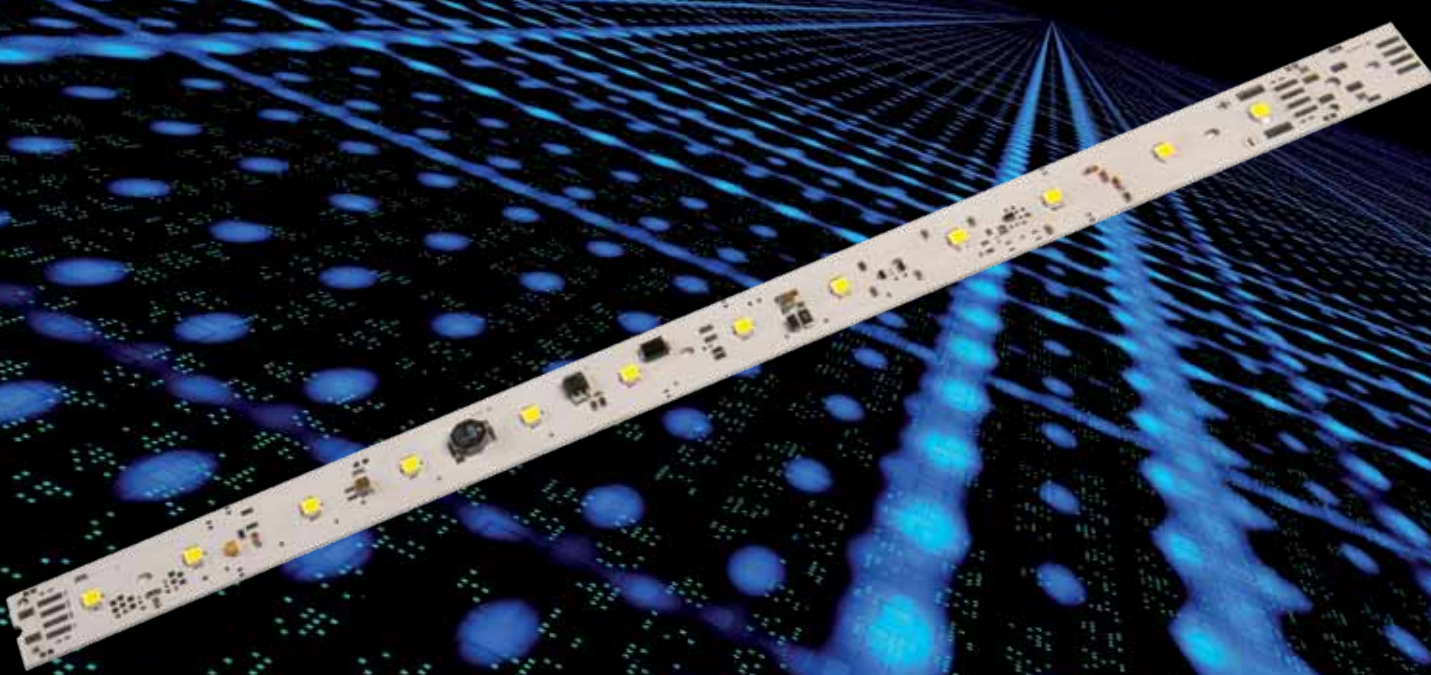
With these new materials direct emissions are obtained that cover the entire spectrum of visible light on a very efficient way.

The performances of a LED are not solely determined by the used materials but also by the framework with which the junction is made, (single or double electro-junctions or single or double frameworks Quantum Well) and by the temperatures of functioning that have become a fundamental element with the arrival of power LEDs and therefore the

materials used have to be mechanically solid and at the same time guarantee excellent thermal capacities and transparency to light giving the guarantee of minor crystal distortions possible.

The Package (housing) is very important; the crystal cannot be used without the necessary electric, thermal and optic supports.

The Package offers the function of mechanical solidness, insulation of the crystal against external elements (moist and dust), dissipation of the produced heat towards the outside of the framework, facilitates the assembly on the printed circuit and offers a first directional control of the emitted light for the efficient transfer towards the outside. While "useful life" is used for the conventional light sources as reference to the intervening lapse of time from the switching on to the moment that a certain percentage of the bulb finishes to function; for the LEDs, that do not switch off suddenly in general but decrease gradually their luminous flux, the "useful life" is used for the time in which a rendering is obtained equal 70% of the initial value. The useful life of the led is not calculated on the single emitter but on the complete device. Analysing the brief intervening lapse of time from the introduction of the LED in the lighting sector, it is gathered that it will revolutionize the way of lighting and designing spaces in the near future.



Advantages of LED lighting.

The LED lighting source (type Solid State) offers in comparison with the traditional incandescent or fluorescent diffusers, a better performance with regards to longer life and sensibility to the mechanical stress that is more or less present in certain circumstances of employment.

Light source "Useful life"

Incandescent light...	1.000÷2.000 h
Fluorescent light.....	8.000÷20.000 h
LED Lighting.....	50.000÷100.000 h

To the typical duration has to be added also the disadvantage of the fragility of the glass of the conventional systems, that reduces the life even more, specifically on the workplace, unlike the LED system that does not undergo any change. The better performance in terms of mechanical stress is also guaranteed by the support of the SMT process, also guaranteed by the welding of the LEDs directly on their supports with the SMT surfusion process, and by the absence of preheating filaments. For other light sources, seeing the short life duration, lampholders or other connection-systems are often used in order to facilitate the substitution, which brings further vulnerability. Aside from the duration, expressed in working hours, in the other analyzed types of light sources, the repeating of switching on is particularly destructive, inconvenient that is considerably lower with LEDs. With the switching on of the light diffuser it is not necessary to wait before the nominal light emission is reached, like other bulb types, also in case of cc power with related drivers. Opposite to the other types of bulbs, you do not have high absorption at the moment of the switching on and peaks of voltage (points), the input stage of the driver does not create any inconvenience to other users connected to the line. As investment, the passage to this technology, in the course of its duration, can

reduce the costs and inconveniences of 10÷20 maintenance operations for a substitution of the bulb and any other type of component or intervention for which handlabour is necessary aside from the spare materials.

Many light fixtures are based on one or more lamps, with the inconvenience of a low coefficient of reflections and shadows offered by the surfaces and the presence of objects (including the size of the lamp itself); this does not happen with the emission of a LED because of the particular flat emission and it is possible to benefit of a larger quantity of light near 100% of that emitted.

Quality of the used materials.

The research for a better quality and longer life of every component used in the LED devices, is the main point of force and decisive for a better condition of the final quality of the product. Aside from the choice in design related to the philosophy of consumer products, an important and basic selection is to be added based on the suitability of the cohabitation with the long duration of the LED emitter. In view of this new concept, in every LED product are present electro-lythic condensers type Long-Life, PCB supports in Metalceramics or Thermal-Core (Allumina), condensers with dielectrics of high temperature-coefficient. Many of these solutions have been designed for or inherited by the Automobile sector, in which are present often the same work conditions. The electronic controlboard is made in H.V.I.C. CMOS (HI Voltage Integrated Circuit) technology with low losses, operating in high frequency (>70kHz) to optimize the longevity of the light sources, instant switching on of the luminous flux and the abolition of the strobe-effect normally present and visible in lighting based on the fluorescent system at network frequency. The power given to the light source is constantly maintained stable through a electronic switching device with a frequency that is higher then the human perception, offering also a pleasant visual effect. The stability of the luminous flux with a variation

of the tension cannot be noticed. A further improvement is made with the coefficient of the rendering in terms of the comparison between the absorbed and the produced power, like the specifics of Green-Power. The Lighting sector is now in full revolution and migration towards this new technology, that has stimulated many important multinationals, producers of active, passive components and semiconductors, to develop new products and solutions. During its course, Gimax has been assisted by its important partners, that have been a valid support to allow the introduction of innovations and solutions developed for this specific sector.

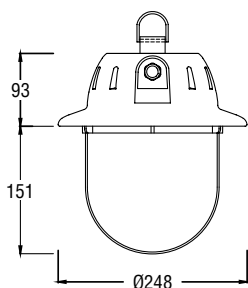
LIGHTING MODULES

The modules are essentially formed by one or more LED emitters with personalised sizes and forms to optimize the adaptability of the finished product (lighting device). The lighting modules can be destined to a diffused or concentrated type of emission. In the modules destined for a diffused light, every constructive solution is used to offer a smooth distribution of the luminous intensity. In every situation in which particular necessities are foreseen or for particular sectors are also used secondary optic groups, as with the directional emission. The type of color used ranges, in opposite to fluorescent bulbs with white or cold white light, from 4300÷6200 °K (cold white). Every development in this particular sector of lighting techniques has been accurately treated according the ruling laws that safeguards the biocompatibility, the annoying aspect of the "points" on the eye.

In order to offer a better luminous rendering and make the temperature the same in every part, every module is thermally coupled to the support offered by the framework of the light with solutions and methods that can vary with every case.



Series LUX 300



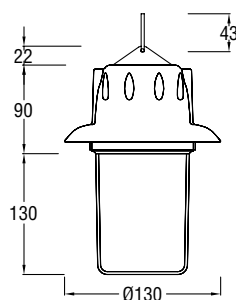
Features

- Base formed by an unique body in NYLON 6.6 loaded with fiberglass at 30%, shock-resistant, oil-resistant, acid resistant and age-resistant, self-extinguishing (V0).
- Cap in colorless and unbreakable polycarbonate.
- Coupling of the cap and the base with rubber perimeter gasket, closure with ring blocked by unlosable screws M5 with knob in aluminium.
- LED lighting module global power 30W.
- Luminous flux at 360° on a horizontal surface min. 1.900 Lumen. Distributed with an angular step of 60° (hexagon).
- Degree of protection (lamp frame) IP65.
- Insulation level (Regulation EN 60598-1) III.

Item	Description	Lumen	Equipment type
LX3L154823S	Movable lantern 48V with nr.1 LED lighting module at 360°	1.900	5mt 2x1mm ² and plug CEE P17 48V 16A 2P IP67
LX3L1548RC	Movable lantern 48V with nr.1 LED lighting module at 360° with terminal for perforation of insulating material for flat wire 2x25mm ²	1.900	
LX3L152421S	Movable lantern 24V with nr.1 LED lighting module at 360°	1.900	5mt 2x1mm ² and plug CEE P17 24V 16A 2P IP67

N.B. Further combinations are possible on request.

Series FINCA



Features

- Base formed by an unique body in NYLON 6.6 loaded with fiberglass at 30%, shock-resistant, oil-resistant, acid-resistant and age-resistant, self-extinguishing (V0).
- Cap in transparent polycarbonate with screw-attachment for a good closure against liquids and dust.
- "U"-shaped hook in stainless steel for hanging up, optional.
- Possibility to place n.2 cable-glands pass PG 16 for power supply and line continuation or power-supply through terminal with perforation of insulating material.
- LED lighting module global power 15W.
- Luminous flux at 360° on a horizontal surface min. 1.500 Lumen. Distributed with an angular step of 60° (hexagon).
- Degree of protection of the lamp frame IP54.
- Insulation level (Regulation EN 60598-1) III.

Item	Description	Lumen	Equipment type
FIL154823S	Movable lantern with LED lighting module 48V	1.500	5mt 2x1mm ² and plug CEE P17 48V 16A 2P IP67
FIL1548RC	Movable lantern with LED lighting module 48V with terminal for perforation of insulating material for flat wire 2x25 mm ²	1.500	
FIL 152421S	Movable lantern with LED lighting module 24V	1.500	5mt 2x1mm ² and plug CEE P17 24V 16A 2P IP67

N.B. Further combinations are possible on request.

Features

- Tube lamp in methacrylate or borosilicate glass (series BLM and BLS), Polycarbonate (series BLG).
- Watertight side-locks IP67.
- Painted aluminium reflecting slide.

- High efficiency LED lighting.
- Cable-gland with anti-ripping device.
- Supporting brackets (optional) at page 89.
- Insulation level (Regulation EN 60958-1) II / III.



Series BLM Ø 70

Item version in methacrylate	Voltage	Power bulb W	Lumen	Length mm	Input cable-gland
BLMM1222200	230V	12	1.200	660	PM20
BLMM1224800	48V	12	1.200	660	PM20
BLMM1222400	24V	12	1.200	660	PM20
BLMM2432200	230V	24	2.400	1.055	PM20
BLMM2434800	48V	24	2.400	1.055	PM20
BLMM2432400	24V	24	2.400	1.055	PM20
BLMM3642200	230V	36	3.600	1.565	PM20
BLMM3644800	48V	36	3.600	1.565	PM20
BLMM3642400	24V	36	3.600	1.565	PM20

N.B. All versions are also available with tube in Borosilicate Glass.

Series BLS Ø 60

Item version in methacrylate	Voltage	Power bulb W	Lumen	Length mm	Input cable-gland
BLSM1222200	230V	12	1.200	650	PM16
BLSM1224800	48V	12	1.200	650	PM16
BLSM1222400	24V	12	1.200	650	PM16
BLSM2432200	230V	24	2.400	1.045	PM16
BLSM2434800	48V	24	2.400	1.045	PM16
BLSM2432400	24V	24	2.400	1.045	PM16
BLSM3642200	230V	36	3.600	1.555	PM16
BLSM3644800	48V	36	3.600	1.555	PM16
BLSM3642400	24V	36	3.600	1.555	PM16

N.B. All versions are also available with tube in Borosilicate Glass. Available also with side-locks complete with fixing brackets (add "S" at the end of the item).

Series BLG Ø 50

Item	Voltage	Power bulb W	Lumen	Length mm	Input cable-gland
BLGP1222200	230V	12	1.200	645	PM16
BLGP1224800	48V	12	1.200	645	PM16
BLGP1222400	24V	12	1.200	645	PM16
BLGP2432200	230V	24	2.400	1.040	PM16
BLGP2434800	48V	24	2.400	1.040	PM16
BLGP2432400	24V	24	2.400	1.040	PM16
BLGP3642200	230V	36	3.600	1.550	PM16
BLGP3644800	48V	36	3.600	1.550	PM16
BLGP3642400	24V	36	3.600	1.550	PM16

N.B. Available also with side-locks complete with fixing brackets (add "S" at the end of the item).

Series COMPACT

Features

- Portable unbreakable lamp.
- Tube in transparent **polycarbonate** diameter 50mm, highly resistant against shocks, crushing and bending.
- **Rubber** grip and cap with bumper-edges.
- Rotating **hook** placed on top of the lamp for hanging up.
- Closure-bands in steel with screws to prevent infiltrations of liquids and dust.
- High efficiency LED lighting.
- Degree of protection **IP55/65**.
- Insulation level (Regulation EN 60958-1) **II / III**.



Item	Description	Power bulb W	Lumen	Length mm	Weight gr.	Equipment cable type H07RN-F
CPLL091222AS	Portable LED light 230V	9	900	560	450	Equipped with 5mt 2x1,5mm ² and plug CEE P17 230V 16A 2P + E IP67
CPLL0914823S	Portable LED light 48V	9	900	560	450	Equipped with 5mt 2x1mm ² and plug CEE P17 48V 16A 2P IP67
CPLL0912421S	Portable LED light 24V	9	900	560	450	Equipped with 5mt 2x1mm ² and plug CEE P17 24V 16A 2P IP67
CPLL122222AS	Portable LED light 230V	12	1.200	620	500	Equipped with 5mt 2x1,5mm ² and plug CEE P17 230V 16A 2P + E IP67
CPLL1224823S	Portable LED light 48V	12	1.200	620	500	Equipped with 5mt 2x1mm ² and plug CEE P17 48V 16A 2P IP67
CPLL1222421S	Portable LED light 24V	12	1.200	620	500	Equipped with 5mt 2x1mm ² and plug CEE P17 24V 16A 2P IP67
CPLL243222AS	Portable LED light 230V	24	2.400	1.175	920	Equipped with 5mt 2x1,5mm ² and plug CEE P17 230V 16A 2P+E IP67
CPLL2434823S	Portable LED light 48V	24	2.400	1.175	920	Equipped with 5mt 2x1mm ² and plug CEE P17 48V 16A 2P IP67
CPLL2432421S	Portable LED light 24V	24	2.400	1.175	920	Equipped with 5mt 2x1mm ² and plug CEE P17 24V 16A 2P IP67
CPLL364222AS	Portable LED light 230V	36	3.600	1.685	1.105	Equipped with 5mt 2x1mm ² and plug CEE P17 230V 16A 2P+E IP67
CPLL3644823S	Portable LED light 48V	36	3.600	1.685	1.105	Equipped with 5mt 2x1mm ² and plug CEE P17 48V 16A 2P IP67
CPLL3642421S	Portable LED light 24V	36	3.600	1.685	1.105	Equipped with 5mt 2x1mm ² and plug CEE P17 24V 16A 2P IP67

N.B. Further combinations are possible on request.

Series COMPACT

Version with battery and emergency-mode

Portable device with battery, equipped with own cable and plug for the power-attachment, and does not require aid from a battery-charger or other types of external accessories.

The emission is offered by three different lighting groups in high luminous efficiency LED technology, organised in:

Front lighting module

Placed on top of the lamp-frame, composed of nr.1 LED 150lm equipped with an optical group, it has a concentrated and directional light-emission to project in depth. Normally it is used to illuminate for inspection.

Frontal lighting module

Placed along the axis of the main structure, composed of nr.5 LEDs (500lm in total), it has been designed for environmental lighting in the area of human action. The luminous flux, emitted in 180°, reaches the outside with an optical effect offered by the stripes of the protection-cover in transparent polycarbonate, that adds to a better and more unified distribution avoiding the troublesome effect of the light-points often present in other devices.

Signalling lighting module (optional)

Placed along the axis of the main structure, composed of nr.15 red LEDs (90lm in total), it has a diffused monochromatic emission, directly exposed to the outside of the lamp without secondary optical groups, with a typical angle of 120°. A re-occurring goal of usage is the signalling of a particular state of imminent danger or presence of obstacles.

Description of the device and the functions

On the handle of the lamp there are two control-switches:
nr.1 switch "ON" to turn on the sequence of the lighting modules.
nr.1 switch "OFF" to turn off the switched on module.

In case of presence of power on network, every module is normally switched off, and the possibility, that the operator activates it, is inhibited. Self-diagnosis purpose, from the outside of the frame a light-signal is visible (red LED) that indicates the presence of electricity.

When power is missing, the frontal lighting module switches automatically on, (EMERGENCY mode) making the device compatible also for fix installation. Once the 60 minutes have passed, stipulated by the current regulations that safeguard the safety on workplaces, the illuminator disconnects, the accumulators still have a reserve of energy stocked to allow further autonomy with portable use or in case of a new emergency state.

The emergency state can be interrupted in any moment through the control-switches. In case of portable use a light-signal is present on the controlpanel to indicate the level of low-battery.

The lamp is equipped with a battery-charger, directly connected to the electricity-net, and with internal accumulators in Ni-MH technology, for use outside the electricity-net.

The charging- and dischargingproces is managed by the controller or mini-controller to optimize the duration. The battery-pack can be changed and ordered as spare part.

The handle is equipped with removable connector, placed on the end of the axis of the main structure, with anti-dust cap anchored by a catenary, to allow the connection with the powercable (included) and the recharging of the internal accumulators.



Item	Description	Front module	Length mm	Weight gr.	Equipped with
CPLL061221AS/EM	Portable light with battery with LED lighting modules	5 LED 500 Lumen	550	700	Adaptor with plug CEE P17 230V 16A 2P+E cable Superflex-GIMAX 2x1mm ² and loose connector 4P
CPLL061221AS/EM/R	Portable light with battery with LED lighting modules with rear red LED indicator bar	5 LED 500 Lumen	550	700	Adaptor with plug CEE P17 230V 16A 2P+E cable Superflex-GIMAX 2x1mm ² and loose connector 4P
CPLL041221AS/EM	Portable light with battery with LED lighting modules	3 LED 300 Lumen	550	700	Adaptor with plug CEE P17 230V 16A 2P+E cable Superflex-GIMAX 2x1mm ² and loose connector 4P

N.B. Further combinations are possible on request.

Series TCL

**TCL800/240**

- Torch in aluminium with 800 lumen, with 6 different light-modes.
- Frame: die-cast black aeronautic T6 aluminium.
- Lens: ultra-transparent tempered glass with anti-glare treatment.
- Output: regulated digitally to maintain the light constant, 800 - 335 - 108 - 80 lumen or "SOS" (strobe).
- LED: Cree XM-L (duration 50.000 hours).
- Autonomy: upto 240 hours.
- Power-supply: 8 batteries AA of 1,5V (alkaline or Ni-MH) (batteries NOT included).
- Impermeability: standard IPX-8 (upto 2m for 30min.).
- Sizes: Ø 62,5 x 213,6 mm.
- Weight: 318 gr (without batteries).

**TCL337/142**

- Torch in aluminium with 337 lumen, designed to be powerful, long-lasting and completely watertight.
- Frame: die-cast black aeronautic T6 aluminium.
- Lens: ultra-transparent tempered glass with anti-glare treatment.
- Output: 337 - 143 - 47 - 5 lumen or "SOS" (strobe).
- LED: Cree XP-G (duration 50.000 hours).
- Autonomy: upto 142 hours.
- Power-supply: 2 lithium batteries of 3V or 1 Lithium ions 18650 (batteries NOT included).
- Visibility: maximum range 215m.
- Impermeability: standard IPX-8 (upto 3m for 30min.).
- Sizes: Ø 25 x 135 mm.
- Weight: 152 gr (without batteries).
- Included accessories: case, cord, rubber switch, 2 O-rings.

**TCL180/66**

- Torch in aluminium, highly luminous thanks to the optimizing of the reflector 180 lumen, with 6 different light-modes.
- Frame: die-cast black aeronautic T6 aluminium.
- Lens: ultra-transparent tempered glass with anti-glare treatment.
- Output: regulated digitally to maintain the light constant, 180 - 90 - 38 - 9 lumen or "SOS" and strobe.
- LED: Cree XP-G R5 (duration 50.000 hours).
- Maximum intensity: 2.579 cd.
- Visibility: 102m.
- Autonomy: 66 hours.
- Power-supply: 1 lithium battery CR123A (battery NOT included).
- Impermeability: standard IPX-8 (upto 2m for 30min.).
- Shock-resistant upto: 1,5 m.
- Sizes: Ø 22 x 78 mm.
- Weight: 39 gr (without batteries).

LIGHTING LED HEAD TORCHES BATTERY POWERED



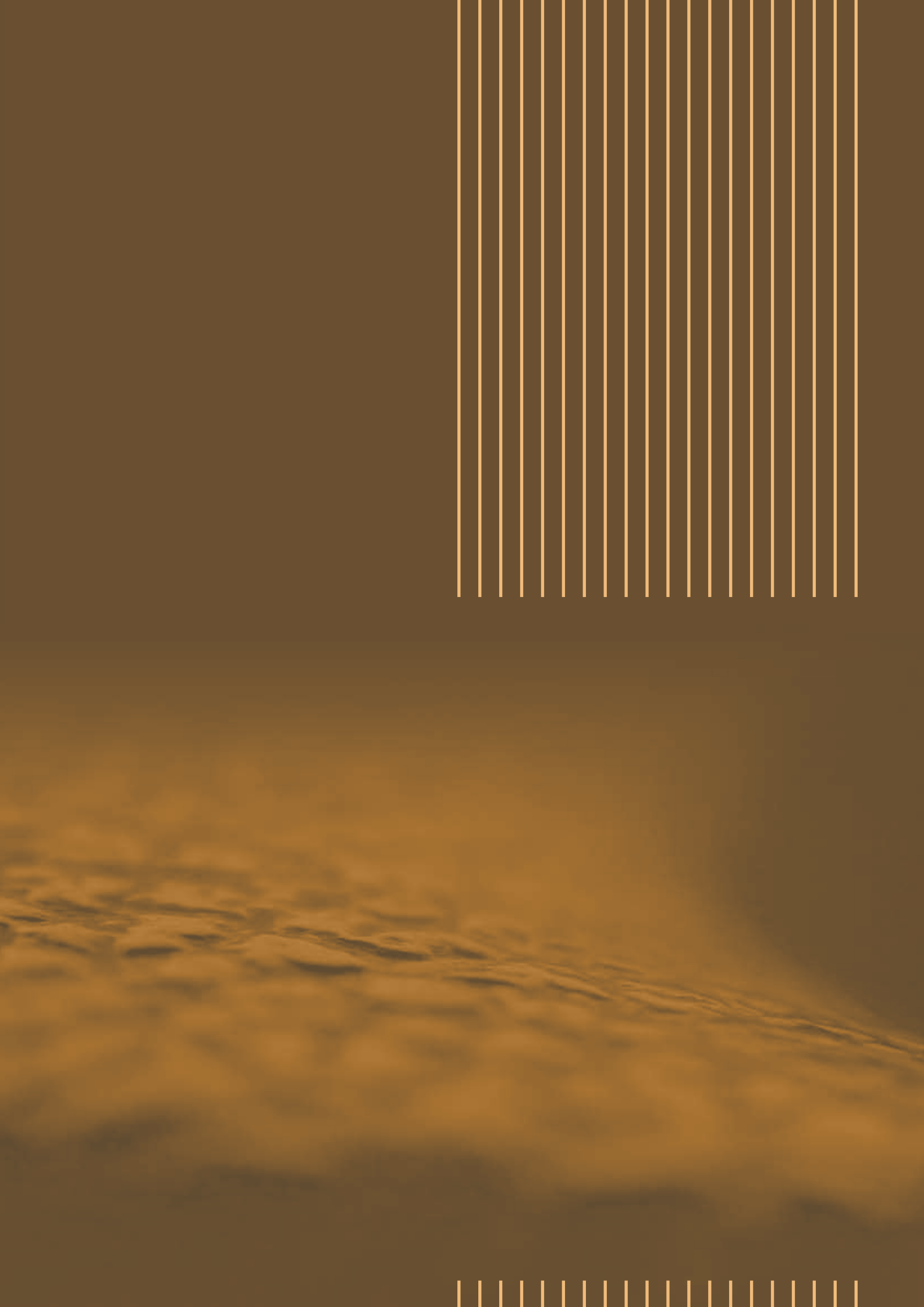
TCLT225/210

- Headtorch with 230 lumen.
- Frame: head in anti-abrasive die-cast aeronautic aluminium and body in plastic.
- Lens: ultra-transparent tempered glass with anti-glare treatment.
- Output: regulated digitally to maintain the light constant and with automatic memory of the previous level, 230-125-51-6 lumen or "SOS", strobe, flash.
- LED: CREE XR-E Q5 (life duration 50.000 hours).
- Regulation: remote switch with cable.
- Visibility: 167 m.
- Autonomy: upto 296 hours.
- Power-supply: 4 batteries AA of 1,5V (alkaline, Ni-MH or Lithium) (batteries NOT included).
- Impermeability: standard IPX-8 (upto 2 m. for 30 min.).
- Sizes: frame: 7x5,7x5,6 cm; battery pack: 10,8x7,9x3 mm.
- Weight: 260 gr. (without batteries).



TCLT15/160

- Head torch with 4 high technology LEDs, small and light.
- Frame: in plastic.
- Output: 15 lumen.
- Functions: strong continuous, weak and flickering light.
- Visibility: can be regulated from 5 to 20 m.
- Autonomy: upto 160 hours.
- Power-supply: 3 batteries alkaline AA (batteries NOT included).
- Impermeability: resistant against spray.
- Weight: 78 gr (batteries included).



WELDING ACCESSORIES



Features

- Plugs and sockets for **welding** cables.
- Construction according to the regulations **HD427** and **HD433** (CEI 26-10 and CEI 26-11).
- Brass frame (**OT58; UNI5705-65**).
- Plug-in with rapid **bayonet** coupling (closure to the right).
- Closure through bolt M12 with eyelet terminal, (panel-connectors), or through screws and cable-protection terminal, (loose connectors).
- Loose connectors with protection sleeve in shock-resistant, oil-resistant, acid-resistant and high heat-resistant rubber.

Series PSV

LOOSE SOCKETS



Item	Description
PSV25	Loose socket 200A suitable for wires 16/25mm ²
PSV50	Loose socket 400A suitable for wires 35/50mm ²
PSV702B	Loose socket 600A suitable for wires 50/70mm ² Fixing of cable with double twist for Allen key

Series SSV

LOOSE PLUGS



Item	Description
SSV25	Loose plug 200A suitable for wires 16/25mm ²
SSV50	Loose plug 400A suitable for wires 35/50mm ²
SSV702B	Loose plug 600A suitable for wires 50/70mm ² Fixing of cable with double twist for Allen key

Series PSQ

RECESSED OUTLETS



Item	Description
PSQ25	Recessed outlet 200A suitable for wires 16/25mm ²
PSQ50	Recessed outlet 400A suitable for wires 35/50mm ²
PSQ70C	Recessed outlet 600A suitable for wires 50/70mm ² Case with protection cover

Series SSQ

RECESSED PLUGS



Item	Description
SSQ25	Recessed plug 200A suitable for wires 16/25mm ²
SSQ50	Recessed plug 400A suitable for wires 35/50mm ²
SSQ70C	Recessed plug 600A suitable for wires 50/70mm ² Case with protection cover

Series MM



Art. MM632

Features

- **Ground clamp** with contacts in forged solid **brass** suitable to difficult work conditions.
- Kingpins and screws in stainless alloy suitable for hostile environments.
- Wing nut for closure with block at the end.
- Cable-fixing with nr.2 Allen keys M12 in brass.
- Casing-hole for the cable suitable for cables 35/95mm².
- Capacity **800A**.
- Maximum opening **60mm**.
- Weight **1100gr**.



Art. MM631

Features

- **Ground clamp** in moulded plates thickness 11/10, of solid construction, allows to operate with extreme handiness.
- Designed to guarantee electrical contact also in difficult work-conditions.
- Contact-**pins** in forged **brass** internally connected by a copper braided cable sectioned 35mm².
- **Cable terminal** in forged **brass** with double Allen key screws M12 for the fixing of the cable.
- Capacity **400A**.
- Maximum opening **70mm**.
- Weight **675gr**.



Art. MM400

Features

- Ground clamp in moulded plates thickness 11/10, of solid construction, allows to operate with extreme handiness.
- Designed to guarantee electrical contact also in difficult work-conditions.
- Contact-pins in forged brass internally connected by a copper braided cable sectioned 35mm².
- Cable attachment through umbrella cable clamp 50/70mm².
- Capacity **400A**.
- Maximum opening **73mm**.
- Weight **330 gr**.

Electrode Holder



Art. PN400

Features

- Electrode holder completely insulated, protection type "B" (CENELEC HD 362) CEI 26-8.
- Unbreakable heat-resistant coating.
- Frame in bronze with high standard of copper.
- Exchangeable heads.
- Rapid cable-coupling with Allen key and inner-cap for cable-protection.
- Suitable for cables 35/50mm².
- Capacity 400A.

Features

- Superflexible welding cable insulated in PVC with features of resistance against abrasion, pulling, crushing, cuts, straps, weldingsprays, suitable to difficult environments like: industrial building sites or naval industry, work shops, heavy carpentry.
- Special mixture with good resistance against oils, acids, industrial soaps, fats, algae, moulds and against the reaction of bacteria.
- Excellent flexibility at low temperatures allowing a good handling by the operator of the plier-terminal.

Series CSG

SUPERFLEXIBLE WELDING CABLE



Technical Features

- Flexible braid in annealed not-tinned copper.
- Sheath in black PVC.
- Working voltage 100V.
- Working temperature from -35° to +70°C, max 110°C for 1 hour.
- Curve radius 6/8 times the diameter.
- Breaking load 90Kg/cm².

Item	Section
CSG25	Section 25mm ²
CSG35	Section 35mm ²
CSG50	Section 50mm ²
CSG70	Section 70mm ²
CSG95	Section 95mm ²

Marking CE with reference to Dir. 73/23EEC and Dir. 93/68EEC

Series CSD

SUPERFLEXIBLE WELDING CABLE WITH DOUBLE SHEATH



Technical Features

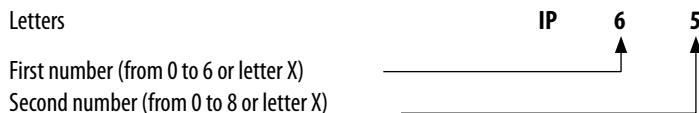
- Flexible braid in annealed not-tinned copper.
- Sheath in orange PVC, inner sheath in white PVC (according the regulations VDE 209.3/69, BS6746/69).
- Working voltage 450/750V.
- Insulation tension 20kV/mm.
- Working temperature from -48° to +75°C, max 150°C for 1 hour.
- Curve radius 9/10 times the diameter.
- Breaking load 130Kg/cm².

Item	Section
CSD25	Section 25mm ²
CSD35	Section 35mm ²
CSD50	Section 50mm ²
CSD70	Section 70mm ²
CSD95	Section 95mm ²

Marking CE with reference to Dir. 73/23EEC and Dir. 93/68EEC

USEFUL INFORMATION

The regulation CEI EN 60529 1997-06 (IEC529 ex CEI 70-1) + A1 2000-06 "Protection degrees of the casing" sets a classification system of the protection degrees of the casing for electrical material. This regulation allows to indicate, through an IP code, the level of protection of the casing for electrical materials, against the penetration of solid and liquid elements, that has to be guaranteed by the "ordinary service-condition of the equipment".



"The first number indicates the protection degree against the penetration of solids."

SYMBOL	IP	MEANING
	0	No protection
	1	Protected against solids with a diameter of more than 50mm
	2	Protected against solids with a diameter of more than 12mm
	3	Protected against solids with a diameter of more than 2,5mm
	4	Protected against solids with a diameter of more than 1mm
	5	Protected against dust (no harmful deposits)
	6	Completely protected against dust

The second number indicates the protection degree against the penetration of liquids.

SYMBOL	IP	MEANING
	0	No protection
	1	Protected against vertical waterdrops
	2	Protected against vertical water- or raindrops upto 15°
	3	Protected against vertical water- or raindrops upto 60°
	4	Protected against watersplashes from all directions
	5	Protected against jets of water
	6	Protected against strong jets of water
	7	Protected against the effects of temporary immersion
	8	Protected against the effects of continuous immersion

Classes of Insulation

SYMBOL	CLASS	DESCRIPTION OF THE PROTECTION
	I	Component equipped with main insulation provided with a device for the connection of the mass to a protection-conductor.
	II	Component equipped with double insulation or re-inforced insulation and not provided any device for the connection to a protection-conductor.
	III	Component with reduced insulation because its purpose is to be exclusively powered by a safety-system of low voltage (SELV) and where no voltages are generated that are higher than those of the system.





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