

> INTERLOCKED SWITCH SOCKET OUTLETS



> VERSIONS

	Without fuse carrier
	With fuse carrier
	With fuse carrier - HD
	With DIN rail (6 modules)
	With DIN rail (6 modules) - HD

> REFERENCE STANDARDS

EN 60309-1
Plugs, socket outlets and couples for industrial purposes
Part 1: general requirements

EN 60309-2
Plugs, socket outlets and couples for industrial purposes
Part 2: dimensional interchangeability requirements for pin and contact-tube accessories of harmonised configurations

> QUALITY MARKS



> TECHNICAL CHARACTERISTICS

Rated current:	16A - 32A
Rated voltage:	100÷690V~
Frequency:	c.c. - 50÷690Hz
Insulating voltage:	500/690V~
Protection degree:	IP44 - IP66/IP67
Operating temperature according to the reference standard:	-25°C+40°C
Max. operating temperature:	60°C
Glow Wire test:	650°C/850°C
Material:	Engineering plastic
IK degree at 20°C:	IK07
Cable inlets:	Metric
Fuse-carriers:	gG 10,3x38mm (16-32A) Neozed type D02 (63A)
Colour:	Standard socket Grey RAL 7035 front side and smoke-grey plate Heavy Duty socket Blue RAL 5015 front side and dark-grey RAL 7004 body

> BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS - STANDARD SOCKET

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited Resistant	Resistant	Limited Resistance	Resistant	Not Resistant	Not Resistant	Not Resistant	Limited Resistance	Resistant	Resistant

> BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS - HD SOCKET

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited Resistant	Resistant	Limited Resistance	Resistant	Resistant	Limited Resistance	Not Resistant	Resistant	Resistant	Resistant

> WIRING AND INSTALLATION


Wiring capacity of the terminals (mm²)

Rated current (A)	Socket outlets	
	Min	Max
16A	1,5	4
32A	2,5	10
63A	6	25


> APPLICATION EXAMPLES




> CABLE INLETS



Compact version 16A and 32A
 1 M25 threaded on upper side
 2 marks for M20 on lower side
 1 mark on the back
 Provided with cable gland M25



Large version 16A and 32A
 1 M25 threaded on upper side
 2 marks for M20 on lower side
 1 mark on the back
 Provided with cable gland M25



Large version 63A
 1 M40 threaded on upper side
 2 marks for M32 on lower side
 1 mark on the back
 Provided with cable gland M40

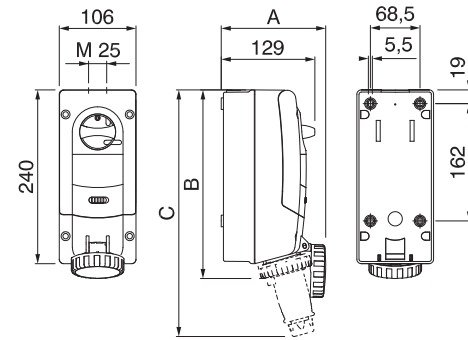
> TECHNICAL DATA SWITCH DISCONNECTORS

		With fuse		Without fuse				
		16A	32A	16A	32A	63A		
Rated insulation voltage Ui	Vac	690	690	690	690	690		
	Vdc	400	400	400	400	-		
Rated impulse withstand voltage Uimp	kV	4	4	4	4	8		
Thermal current Ith	A	25	32	30	40	63		
Thermal current Ithe	A	25	32	30	40	63		
Nominal current rating Ie	AC21A Resistite loads, including moderate overloads	400V	-	-	-	-		
		500V	-	-	-	-		
		690V	25	32	30	32	63	
	AC22A Mixed resistite and inductive loads, including moderate overloads	400V	-	-	-	-	-	
		500V	-	-	-	-	-	
		690V	30	32	20	32	63	
	AC23A Switching off motor loads or other highly inductive loads (3 phase/3 pole)	400V	-	-	20	32	50	
		500V	-	-	-	-	40	
		690V	16	25	16	25	30	
	AC3 Squirrel-cage motor: starting, switching off motor during running (3 phase/ 3 pole)	400V	-	28,5	-	28,5	40	
		690V	12	20	12	20	25	
	DC21A Resistite loads, including Moderate overloads	300 V	25	32	25	32	-	
DC22A Mixed resistite and inductive loads, including moderate overloads	250 V	20	32	20	32	-		
Rated short-time withstand current Icw (s)	A	400	400	400	400	1500		
Short-circuit protection:	Conditional short-circuit current	kA	10	10	10	10		
	Associate fuse size for conditional short-circuit current - Type gG	500 V	kA	16	32	16	32	63
	Rated short-circuit making capacity Icm	kA	1500	1500	1500	1500	2850	
Permissible wire range	Flexible wire	mm ²	1.5-10	1.5-10	1.5-10	1.5-10	10-35	
		AWG	16-8	16-8	16-8	16-8	10-2	
	Rigid wire	mm ²	1.5-16	1.5-16	1.5-16	1.5-16	10-35	
		AWG	16-8	16-8	16-8	16-8	10-2	

> DIMENSIONS

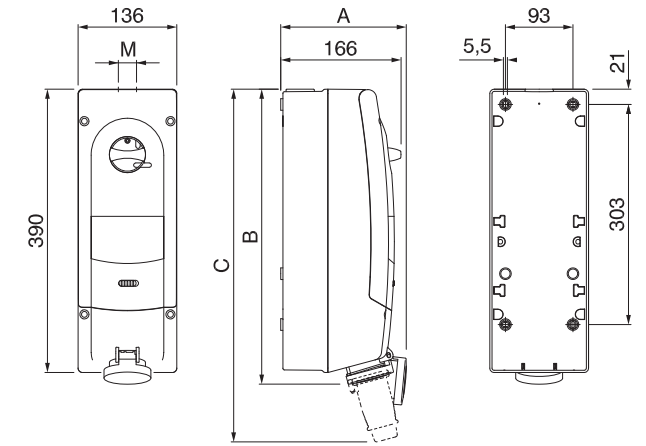
COMPACT VERSION - IP44

	A	B	C
2P+E 16A	140	256	335
3P+E 16A	146	256	341
3P+N+E 16A	157	256	355
2P+E 32A	158	267	364
3P+E 32A	158	267	364
3P+N+E 32A	158	265	370



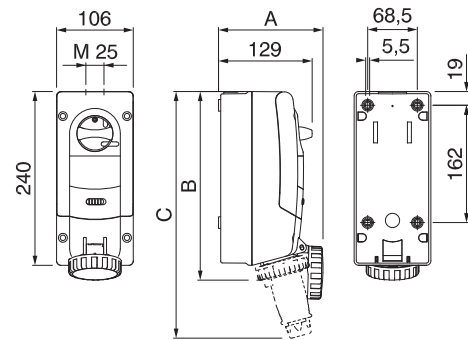
LARGE VERSION - IP44

	A	B	C	M
2P+E 16A	166	406	486	25
3P+E 16A	180	406	492	25
3P+N+E 16A	190	406	506	25
2P+E 32A	199	416	513	25
3P+E 32A	199	416	513	25
3P+N+E 32A	199	419	519	25



COMPACT VERSION - IP66/IP67

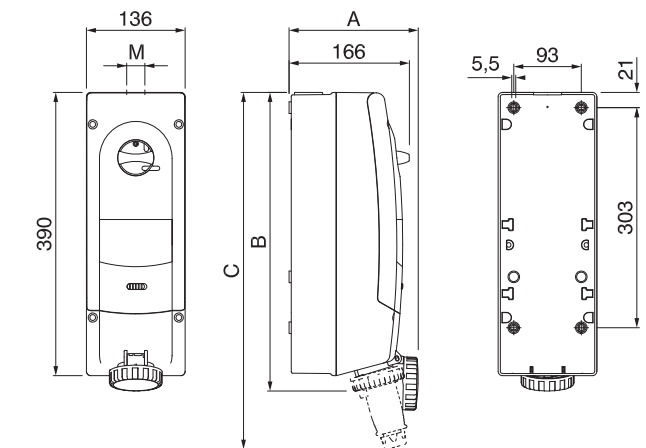
	A	B	C
2P+E 16A	145	261	341
3P+E 16A	152	261	350
3P+N+E 16A	163	262	368
2P+E 32A	164	272	377
3P+E 32A	164	272	377
3P+N+E 32A	167	272	385



(Dimension in mm)

LARGE VERSION - IP66/IP67

	A	B	C	M
2P+E 16A	166	412	492	25
3P+E 16A	186	412	500	25
3P+N+E 16A	197	412	518	25
2P+E 32A	205	420	526	25
3P+E 32A	205	420	526	25
3P+N+E 32A	207	420	533	25
63A	211	439	610	40



(Dimension in mm)