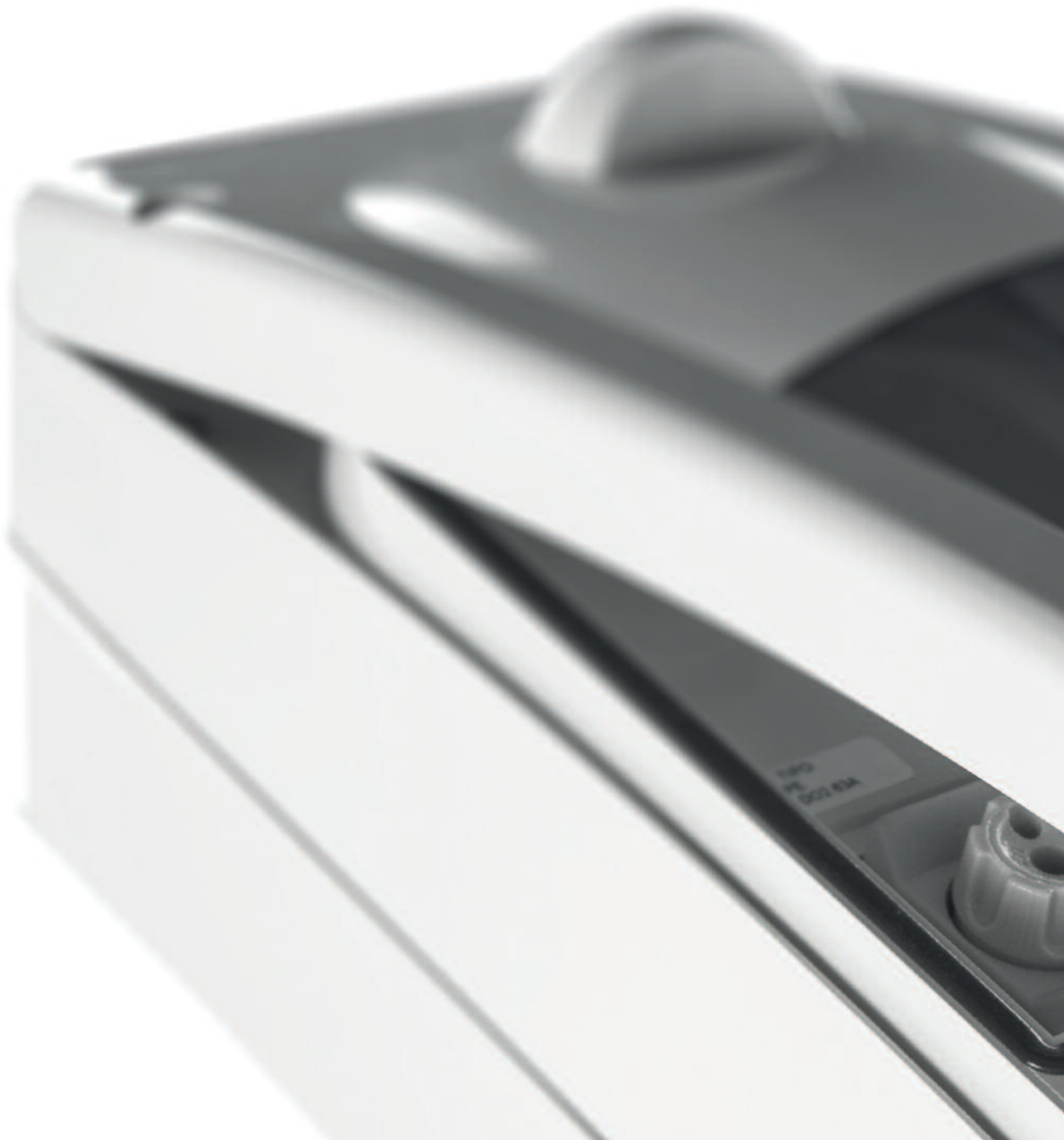


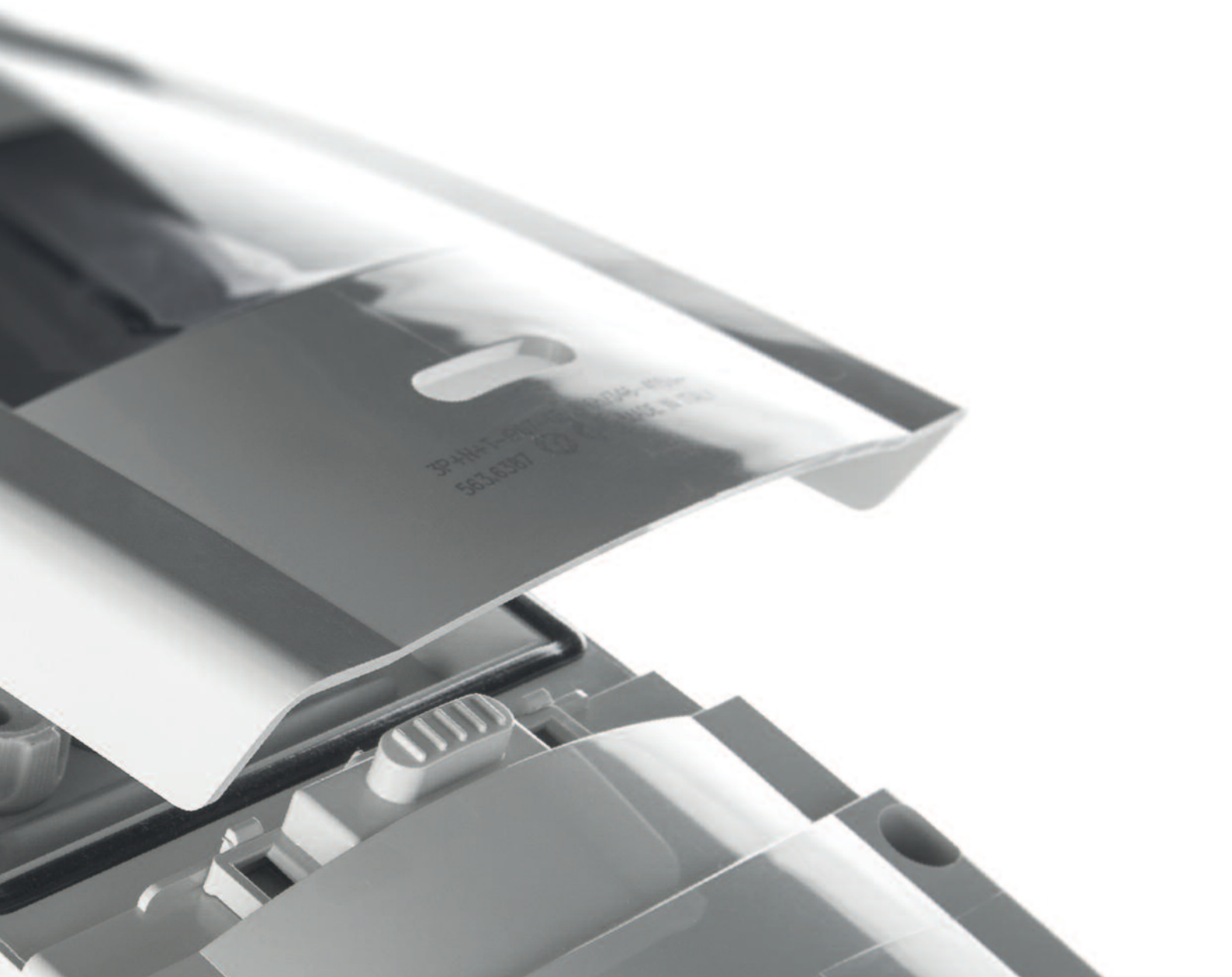


1.2

Switched socket outlets with interlock

- OMNIA Series
- ADVANCE2 Series
- ADVANCE-GRP Series





OMNIA Series

1

PLUGS AND SOCKETS



INTERLOCKED SWITCH SOCKET OUTLETS



VERSIONS

2

3



Surface mounting
Without fuse carrier



Flush mounting
Without fuse carrier

REFERENCE STANDARDS

EN 60309-1

Plugs, socket outlets and couplers for industrial purposes.
Part 1: general requirements.

EN 60309-2

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

QUALITY MARKS



TECHNICAL CHARACTERISTICS

Rated current: **20A-32A-63A**

Rated voltage: **100÷690V~**

Frequency: **c.c. - 50÷500Hz**

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 - IK08**

Cable inlet: **PG/METRIC**

Fuse-carriers: **gG 10,3x38 mm**

Colour: **Grey RAL 7035**

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

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

FLUSH MOUNTING

400.		405.		405.63	
Current rating	No of poles	Hr position	Voltage AC	IP44 without fuse holder	IP66/IP67 without fuse holder
20A	2P+E	6	200-250	400.2083	405.2083
	3P+E		380-415	400.2086	405.2086
	3P+N+E		346-415	400.2087	405.2087
32A	2P+E	6	200-250	400.3283	405.3283
	3P+E		380-415	400.3286	405.3286
	3P+N+E		346-415	400.3287	405.3287
63A	2P+E	6	200-250		405.6383
	3P+E		380-415		405.6386
	3P+N+E		346-415		405.6387

SURFACE MOUNTING

500.		505.		505.M	
Current rating	No of poles	Hr position	Voltage AC	IP44 without fuse holder	IP66/IP67 without fuse holder
20A	2P+E	6	200-250	500.2083	505.2083
	3P+E		380-415	500.2086	505.2086
	3P+N+E		346-415	500.2087	505.2087
32A	2P+E	6	200-250	500.3283	505.3283
	3P+E		380-415	500.3286	505.3286
	3P+N+E		346-415	500.3287	505.3287
63A	2P+E	6	200-250		505.M6383
	3P+E		380-415		505.M6386
	3P+N+E		346-415		505.M6387

DIMENSIONS

20A - 32A

	A		B		C		D		L		H	
	IP44	IP66/IP67	IP44	IP66/IP67	IP44	IP66/IP67	IP44	IP66/IP67	IP44	IP66/IP67	IP44	IP66/IP67
20A 2P+E	198	202	95	100	51	52	95	100	130	134	184	188
20A 3P+E	205	210	107	109	53	54	107	109	137	142	190	195
20A 3P+N+E	226	230	118	122	54	60	118	122	153	162	207	216
32A 2P+E	229	235	121	125	63	65	121	125	161	166	215	220
32A 3P+E	229	235	121	125	63	65	121	125	161	166	215	220
32A 3P+N+E	236	245	127	130	64	67	127	130	169	166	223	230

63A

Flush mounting:

Surface mounting:

ACCESSORIES

Description	
Surface mounting box IP67	☎ 572.0310
Flush mounting box IP55	☎ 572.0200
Flame complete with gasket	☎ 572.0220
Description	
Blank plate IP67	☎ 654.0120
Blank plate IP67 16A (70x87)	☎ 654.0125
Blank plate IP67 32A (84x106)	☎ 654.0126

ADVANCE2 Series

1

PLUGS AND SOCKETS



2

3

INTERLOCKED SWITCH SOCKET OUTLETS



VERSIONS

	With DIN rail (6 modules)
	With DIN rail (6 modules) - HD

WIRING AND INSTALLATION

Wiring capacity of the terminals. Cross-section of the connectable conductors (mm²)

Rated current (A)	Socket outlets	
	Min	Max
20A	1,5	4
32A	2,5	10
63A	6	25

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:	20A-32A-63A
Rated voltage:	100÷690V~
Frequency:	c.c. - 50÷500Hz
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 Resistance	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 Resistance	Resistant	Limited Resistance	Resistant	Resistant	Limited Resistance	Not Resistant	Resistant	Resistant	Resistant

WITH RAIL DIN (6 MODULES)

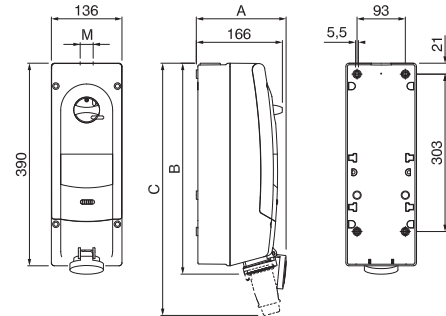
567.		568.			
Current rating	No of poles	Hr position	Voltage AC	IP44	IP66/IP67
20A	2P+E	6	200-250	567.2083	568.2083
	3P+E		380-415	567.2086	568.2086
	3P+N+E		346-415	567.2087	568.2087
32A	2P+E	6	200-250	567.3283	568.3283
	3P+E		380-415	567.3286	568.3286
	3P+N+E		346-415	567.3287	568.3287
63A	2P+E	6	200-250		568.6383
	3P+E		380-415		568.6386
	3P+N+E		346-415		568.6387

WITH RAIL DIN (6 MODULES)

				
Current rating	No of poles	Hr position	Voltage AC	IP66/IP67
20A	2P+E	6	200-250	569.2083
	3P+E		380-415	569.2086
	3P+N+E		346-415	569.2087
32A	2P+E	6	200-250	569.3283
	3P+E		380-415	569.3286
	3P+N+E		346-415	569.3287
63A	2P+E	6	200-250	569.6383
	3P+E		380-415	569.6386
	3P+N+E		346-415	569.6387

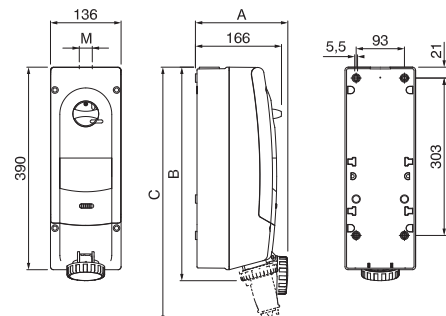
DIMENSIONS

LARGE VERSION - IP44



	A	B	C	M
2P+E 20A	166	406	486	25
3P+E 20A	180	406	492	25
3P+N+E 20A	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

LARGE VERSION - IP66/IP67



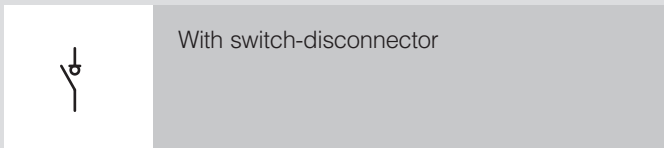
	A	B	C	M
2P+E 20A	166	412	492	25
3P+E 20A	186	412	500	25
3P+N+E 20A	197	412	518	25
2P+E 32A	205	420	526	25
3P+E 32A	205	420	526	25
3P+N+E 32A	207	420	533	25
63A	211	439	610	40

ADVANCE-GRP Series

SWITCHED INTERLOCKED SOCKET OUTLETS



VERSIONS WITH MECHANICAL INTERLOCK



CABLE ENTRY

Maximum entry with cable glands

Rated current (A)	Single socket		Socket with switchboard		
	Upper	Lower	Upper	Lower	Side
20A / 32A	M32	M32	M32	M32	M32
63A	M40	M40	M40	M40	M32

WIRING OPERATIONS

Wiring capacity of the terminals (mm²)

Rated current (A)	Socket outlets		Plugs	
	Min	Max	Min	Max
20A	1,5	4	1	2,5
32A	2,5	10	2,5	6
63A	6	25	6	16

REFERENCE STANDARDS

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

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

EN 60309-4
Plugs, socket-outlets and couplers for industrial purposes.
Part 4: Switched socket-outlets and connectors with or without interlock.

TECHNICAL CHARACTERISTICS



Rated current:	20A-32A-63A
Rated voltage:	100÷690V~
Frequency:	50÷60Hz
Insulating voltage:	500/690V~
Protection degree:	IP66/IP67
Operating temperature according to the reference standard:	-25°C +40°C
Minimum operating temperature:	-40°C
Max. operating temperature:	+60°C
Self-extinguishing GW test:	960°C
Self-extinguishing UL94:	V0
Material:	Thermosetting
IK degree at 20°C:	IK10 (20J)
Switch-disconnectors 16A-32A-63A:	COMMAND Series
Fuse:	
16A-32A	gG 10,3x38mm
63A	gG 22x58mm
Colour:	Grey RAL7037

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

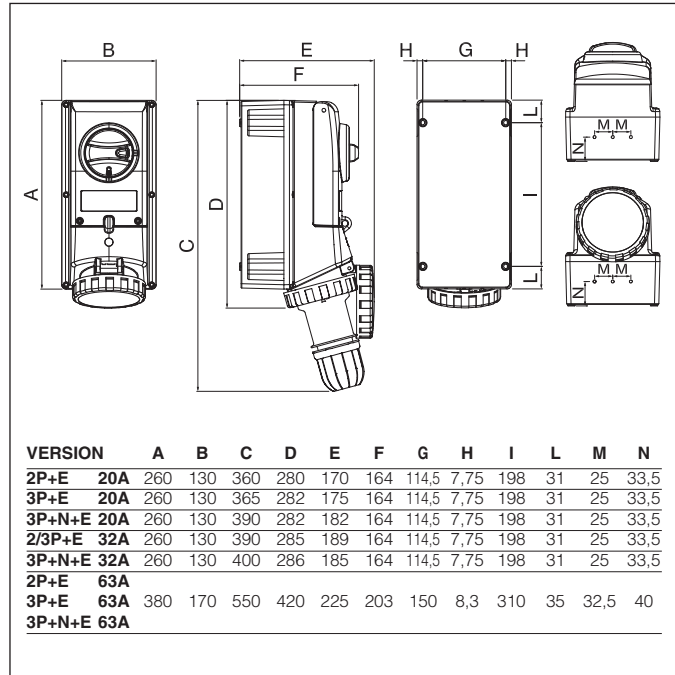
Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited Resistance	Resistant	Limited Resistance	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant

For specific substances please contact our technical service.

■ WITHOUT BASE - WITHOUT FUSE HOLDER



402.		402.63		
				
Current rating	No of poles	Hr position	Voltage AC	IP66/IP67
20A	2P+E	6	200-250	402.2083
	3P+E		380-415	402.2086
	3P+N+E		346-415	402.2087
32A	2P+E	6	200-250	402.3283
	3P+E		380-415	402.3286
	3P+N+E		346-415	402.3287
63A	2P+E	6	200-250	402.6383
	3P+E		380-415	402.6386
	3P+N+E		346-415	402.6387

■ DIMENSIONS



(Dimensions in mm)

■ BASES AND CONSUMER UNIT - IP66/IP67

Description	Module	DIN Module	HxB (mm)	Power dissipation (W)	□	 	
						16A-32A	63A
Base for one socket	16A-32A	-	260x130	-	1	579.5100	
	63A	-	380x170	-	1		579.5200
Base for one socket with derivation box	16A-32A	-	460x130	9	1	579.5110	
	63A	-	580x170	13	1		579.5210
Base for one socket with consumer unit	16A-32A	6	460x130	9	1	579.5111	
	63A	8	580x170	13	1		579.5211
Base for two sockets with derivation box	16A-32A	-	460x260	16	1	579.5120	
	63A	-	-	-	-		
Base for two sockets with consumer unit	16A-32A	-	460x260	16	1	579.5121	
	63A	-	-	-	-		

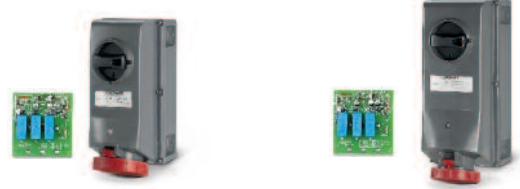
- Power dissipation in conformity with CEI 23-48 CEI 23-49.
 - IP66/IP67 when coupled with the respective component.

ADVANCE-GRP System

Switched interlocked socket outlets >50V

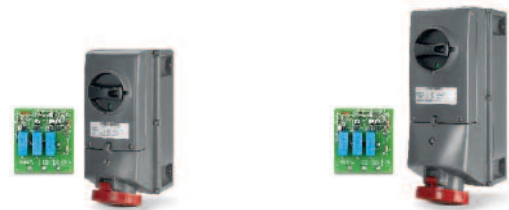
■ SURFACE MOUNTING I-DEVICE - IP66 - WITHOUT FUSE HOLDER

1
PLUGS AND SOCKETS
2
3



Poles	Hz.	Volt	Colour	h.	16A	32A	63A
					□ 1	□ 1	□ 1
2P+E	50/60	200-250		6	503.1683	503.3283	503.6383
3P+E	50/60	380-415		6	503.1686	503.3286	503.6386
3P+N+E	50/60	346-415		6	503.1687	503.3287	503.6387

■ SURFACE MOUNTING I-DEVICE - IP66 - WITH FUSE HOLDER



Poles	Hz.	Volt	Colour	h.	16A	32A	63A
					□ 1	□ 1	□ 1
2P+E	50/60	200-250		6	503.1683-F	503.3283-F	503.6383-F
3P+E	50/60	380-415		6	503.1686-F	503.3286-F	503.6386-F
3P+N+E	50/60	346-415		6	503.1687-F	503.3287-F	503.6387-F

Rated voltage >50V

With switch-disconnector

With switch-disconnector and fuse
Fuses not included

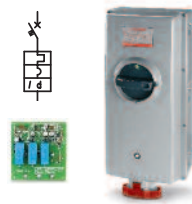
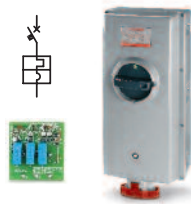
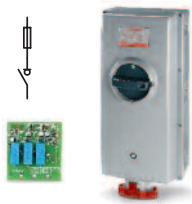
ACCESSORIES




125A
☏ 1
503.12583
503.12586
503.12587


Description	Contacts	Terminals	
Microswitch kit 400V 10A (microswitch + terminal block)	1NO+1NC	4x4 mm ²	579.0125


- Max 2 kit.
- For products with mechanical interlock.



125A	125A	125A	125A	125A
☏ 1	☏ 1	☏ 1	☏ 1	☏ 1
503.12583-F	503.12583-FS	503.12583-M	503.12583-RM	503.12583-T
503.12586-F	503.12586-FS	503.12586-M	503.12586-RM	503.12586-T
503.12587-F	503.12587-FS	503.12587-M	503.12587-RM	503.12587-T

 **With fuse and switch-disconnector**
Fuses not included

 **With molded case circuit breaker with thermal magnetic trip unit**

 **With molded case circuit breaker with thermal magnetic and residual current release trip units**

 **Contactor operated by microswitch**
Microswitch already provided