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 Plugs and sockets for industrial applications



- > OPTIMA Series
- > EUREKA Series
- > IEC309 Series
- > EUREKA-HD Series
- > LIBERA Series
- > DOMO Series



> INDUSTRIAL PLUGS AND SOCKETS

1.1		IP44					
		16-32A					
		OPTIMA Series	EUREKA Series		IEC309 Series	EUREKA-HD Series	LIBERA Series
Plugs	>50V	 page 40	 page 41	 page 41	 page 41	 page 68	 page 70
	<50V				 page 58		
Surface mounting appliance inlets	>50V		 page 44				 page 70
Flush mounting appliance inlets	>50V	 page 46				 page 68	
Connectors	>50V	 page 48	 page 49	 page 49	 page 49	 page 68	 page 70
	<50V				 page 59		
Surface mounting socket outlets	>50V		 page 57	 page 52			
	<50V				 page 63		
Flush mounting socket outlets	>50V		 page 52	 page 52		 page 68	 page 70
	<50V				 page 60		

IP67					
16-32A				63-125A	
OPTIMA Series	EUREKA Series		IEC309 Series	EUREKA-HD Series	IEC309 Series
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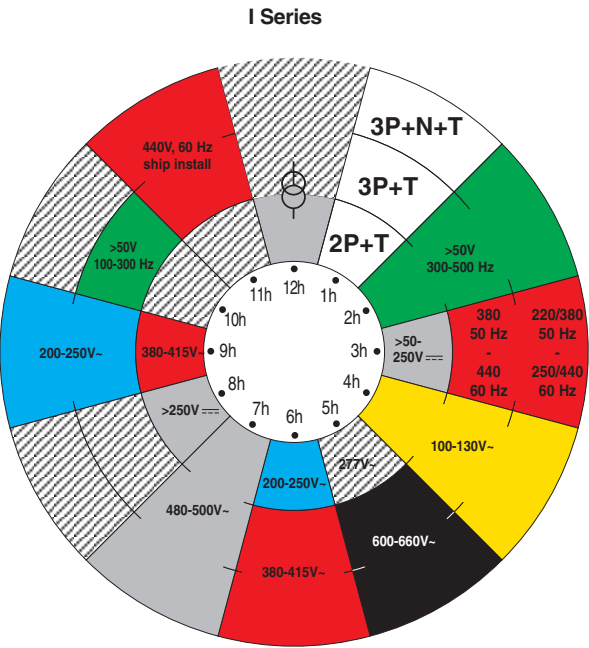
> INDUSTRIAL PLUGS AND SOCKETS TO IEC 60309 RATED OPERATING VOLTAGE >50 V

Clock face position
Viewing the socket from the front, the clock face position h is established by observing the position of the earth contact with respect to the major keyway, which is always situated at 6 o'clock.
The different voltages are identified by conventional colour codes.

Clock reference:
All the versions required by the IEC 60309 standard are available, including the more specific:

- Examples:**

 - standard use
 - refrigerated container
 - marine, port or ship installation
 - direct current (2P + E)
 - supply by isolation transformer (TST)
 - high frequency, from 100 to 300 Hz
 - high frequency, from 300 to 500 Hz
 - specific voltages
- 100 - 130V
480 - 500V
600 - 690V
- 6 o'clock
3 o'clock
11 o'clock
3 and 8 o'clock
12 o'clock
10 o'clock
2 o'clock
4 o'clock
7 o'clock
5 o'clock



CLOCK DIAGRAM
Clock face position (h) of the earth pole of low voltage (>50 V) industrial plugs and sockets to IEC 60309-2 for different applications (polarity, voltage, frequency, current).

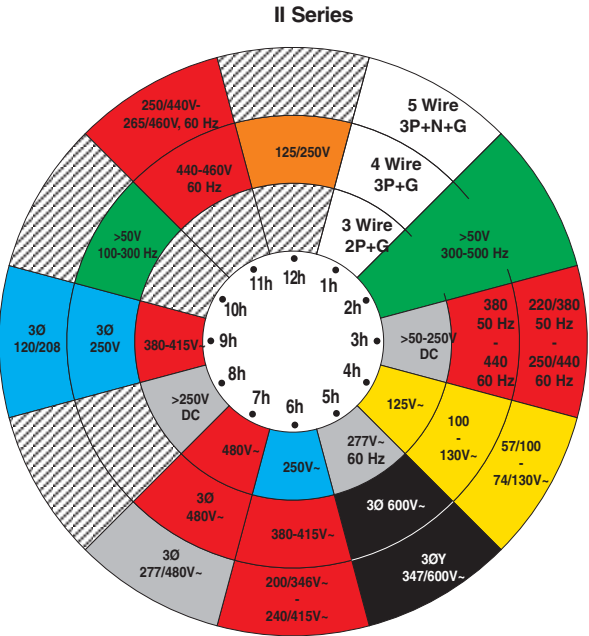
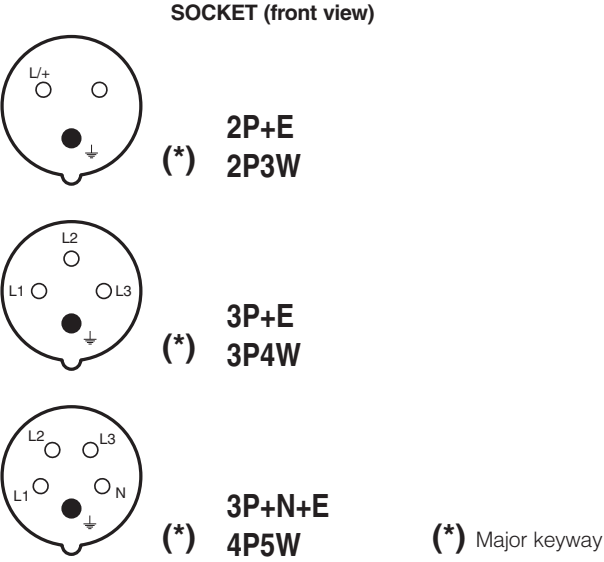
⊕ = Supply from isolation transformer

> COLOUR CODE

The operating voltages are identified by conventional colours as shown in the table:

Rated operating voltage V	Colour 1)
from 20 to 25	Violet
from 40 to 50	White
from 100 to 130	Yellow
from 200 to 250	Blue
from 380 to 480	Red
from 500 to 690	Black

1) Combinations of green with the colour of the rated operating voltage can be used to identify frequencies between 60 Hz and 500 Hz inclusive.



> SYNOPTIC TABLE OF STANDARD INDUSTRIAL PLUGS AND SOCKETS TO IEC 60309-2

Rated operating voltage > 50 V (LV)

Number of contact	poles	Frequency Hz	Rated operating voltage V	Clock face pos.(h) Earth contact (1)		Colour code
				16/20A 32/30A	63/60A 125/100A	
3 Contact 2P3W	1P+N+E	50 e 60	100÷130	4	4	
	II Series	60	277	5	5	
	2P+E I and II Series	50 e 60	100÷130	4	4	
			200÷250	6	6	
			380÷415	9	9	
			480÷500	7	7	- (6)
			suppl. by isol. transf.	12	12	- (6)
		100÷300	> 50	-	-	 (5)
		>300÷500	> 50	2	-	 (5)
		d.c.	>50÷250	3	3	- (6)
> 250	8		8	- (6)		
4 Contact 3P4W	2P+N+E II Series	50 e 60	125/250 single-phase	12	12	-
	3P+E I and II Series	50 e 60	100÷130	4	4	
			200÷250	9	9	
			380÷415	6	6	
		60	440÷460 (4)	11	11	
		50 e 60	480÷500	7	7	- (6)
			600÷690	5	5	 (2)
		50 60	380 440 (3)	3	-	
		100÷300	> 50	10	-	 (5)
	>300÷500	> 50	2	-	 (5)	
5 Contact 4P5W	3P+N+E I and II Series	50 e 60	57/100÷75/130	4	4	
			120/208÷144/250	9	9	
			200/346÷240/415	6	6	
			277/480÷288/500	7	7	- (6)
			347/600÷400/690	5	5	 (2)
		60	250/440÷265/460 (4)	11	11	
		50 60	220/380 250/440 (3)	3	-	
		100÷300	> 50	-	-	 (5)
		>300÷500	> 50	2	-	 (5)
	ALL TYPES		All types of voltage and/or frequency not within these standardised configurations		1	1

(1) The positions shown by a dash (-) are not standardised
(3) For ISO standard refrigerated containers
(4) Mainly for shipboard installations
(5) Combinations of green with the colour of the rated operating voltage can be used to identify frequencies between 60 Hz and 500 Hz inclusive.
(6) plugs and sockets for which the IEC 60309-2 standard sets only the clock face position (h) of the earth contact and not the colour, are supplied by SCAME in RAL 7035 grey

SERIES I AND SERIES II
Series I and Series II have more or less the same dimensions, but are classified according to different rated currents. For Series I, currents are 16A, 32A, 63A, and 125A and for Series II, rated currents are 20A, 30A, 60A and 100A.
Series I products are used in all European countries and some countries in South America, Asia, Australia and Africa. On the contrary, Series II products are mainly marketed in North America (USA, Mexico and Canada) and some countries in South America.

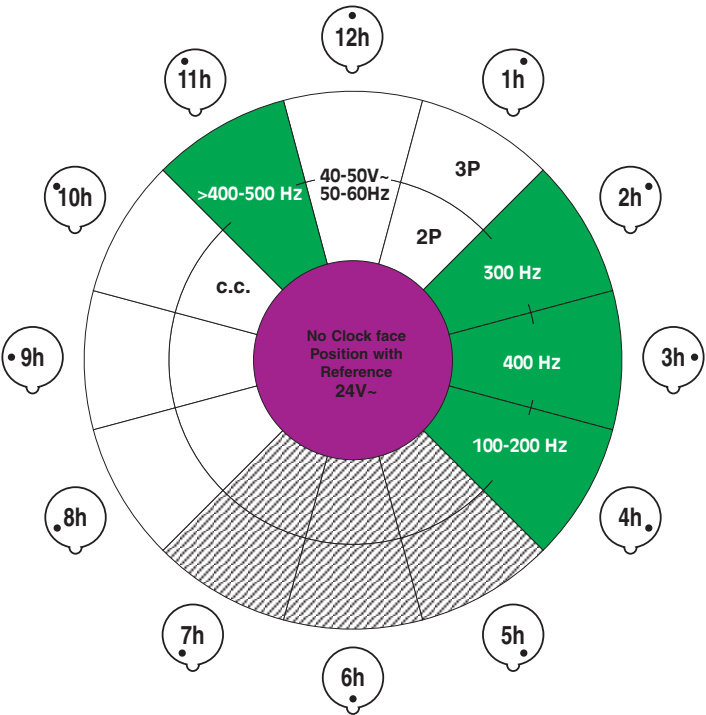
NOTE
• SCAME plugs and sockets for specific uses other than 4 - 6 - 9 h are available only on demand and are therefore not kept in stock. Minimum order quantities: 50 pieces.

> SYNOPTIC TABLE OF STANDARD INDUSTRIAL PLUGS AND SOCKETS TO IEC 60309-2

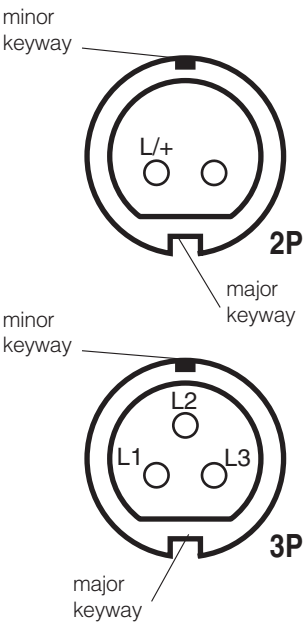
Rated operating voltage <50V~ (ELV)

Poles	Frequency Hz	Rated operating voltage V	Minor keyway (1) clock face position (h) 16A and 32A without reference	Colour code
2P	50 e 60	20÷25	without ref.	
	50 e 60	40÷50	12	
	100÷200	20÷25 e 40÷50	4	(2)
	300		2	(2)
	400		3	(2)
	>400÷500		11	(2)
	c.c.		10	
3P	50 e 60	20÷25	without ref.	
	50 e 60	40÷50	12	
	100÷200	20÷25 e 40÷50	4	(2)
	300		2	(2)
	400		3	(2)
	>400÷500		11	(2)
	c.c.		10	

(1) 1, 8 and 9 h positions are reserved for future standards; 5, 6 and 7 h positions cannot be used for reasons connected with the design.
(2) Combinations of green with the colour of the rated operating voltage can be used to identify frequencies between 60 Hz and 500 Hz inclusive.



SOCKET (front view)



Clock face position

Viewing the socket from the front, the clock face position h is established by observing the position of the minor keyway with respect to the major keyway, which is always situated at 6 o'clock.
The different voltages are identified by conventional colour codes.

CLOCK DIAGRAM

Clock face position (h) of the minor keyway of extra-low voltage (<50 V) industrial plugs and sockets to IEC 309-2 for different applications (polarity, voltage, frequency, current).

> APPLICATIONS OF INDUSTRIAL PLUGS AND SOCKETS

	IP44	IP67
Agriculture	Mobile or portable equipment or appliances used or stored on sheltered premises.	Outdoor installation of pumping, ventilation, drying equipment.
Chemical industry	Indoors on premises for storage and maintenance purposes where connections are not exposed to the risk of immersion or chemicals.	On premises without risk of explosions but where the connections are exposed to chemicals and subject to possible immersion.
Construction sites and shipyards	On covered construction sites sheltered against weathering but exposed to splashing with water.	On outdoor construction sites where the connections are left on damp ground exposed to freezing, dust and weathering.
Sports complexes and other places of public entertainment, TV and film studios	On sheltered premises protected against the weather, though exposed to splashing, without high connected loads.	Outdoor connections exposed to rain, snow, mud, freezing and other critical weather conditions. Where mated safety is required. Where high voltage for lighting installations, T.V. and audio are foreseen.
Food industry	In sheltered locations, on indoor premises used for storage and maintenance.	In locations subject to washing by hosing down and where connections are subject to heavy duty.
Heavy industry	In sheltered warehouses, maintenance workshops, assembly and moulding areas.	In rolling mills, foundries, blast furnaces, etc., where the connections are exposed to dust, metallic shavings, coolants and are subject to vibrations and impact.
Light industry	Locations without high humidity or ambient pollution serving for assembly, moulding, maintenance and storage	On premises subject to cleaning by means of chemical solvents. Also where heavy loads require high safety in connections.
Installations for IT centres	For electrical connections executed above floor level.	For electrical connections under raised floors with risk of immersion. Where heavy loads require high safety in connections.
Ports	In sheltered locations such as docks, repair shops, offices, etc.	Quays, docks, piers, etc. where there is risk of high waves and partial flooding.
Airports	In sheltered locations, hangars, repair shops, warehouses.	Outdoors for connection between mobile or portable appliances and aircraft.
Water treatment plants	Indoor use in repair shops, etc.	In all locations with risk of flooding and for outdoor use with pumps, aeration and ventilation systems.

> PLUGS - IP44

OPTIMA Series



Poles	Hz.	Volt	Colour	h.	Screw		Insulation perforating
					16A cable gland 10/100	32A cable gland 10/50	16A cable gland 10/100
2P+E	50/60	100-130		4	213.1630 (Δ)	213.3230	213.1630P (Δ)
	50/60	200-250		6	213.1633 (▲) (Δ)	213.3233 (▲)	213.1633P (▲) (Δ)
	50/60	380-415		9	213.1638	213.3238	213.1638P
	50/60	480-500		7			
	50/60	trasf.		12			
	>300-500	>50		2			
	c.c.	>50-250		3			
	c.c.	>250		8			
3P+E	50/60	100-130		4			
	50/60	200-250		9	213.1634	213.3234	213.1634P
	50/60	380-415		6	213.1636 (▲)	213.3236 (▲)	213.1636P (▲)
	60	440-460		11			
	50/60	480-500		7			
	50/60	600-690		5			
	50/60	380/440		3			
	100-300	>50		10			
3P+N+E	>300-500	>50		2			
	50/60	100-130		4			
	50/60	208-250		9			
	50/60	346-415		6	213.1637 (▲)	213.3237 (▲)	213.1637P (▲)
	50/60	480-500		7			
	50/60	600-690		5			
	60	440-460		11			
	50/60	380/440		3			

Rated operating voltage >50V
- Approvals: from page 695
- Plugs cover 570.0316: page 74



(▲) Black-coloured
Versions also available in black; just add ".K" at the end of the catalogue number. Example 213.1633.K

EUREKA Series



IEC309 Series



EUREKA Series



16A cable sleeve 10/100	32A cable sleeve 10/50	16A cable sleeve 10/100	32A cable sleeve 10/100	Angled outlet	
				16A cable sleeve 10/100	32A cable sleeve 10/60 ¹
211.1630 (Δ)	211.3230	210.1630		221.1630	221.3230
211.1633 (▲) (Δ)	211.3233	210.1633	210.3233	221.1633	221.3233
211.1638	211.3238				
211.16336	211.32336				
211.16333	211.32333				
211.16332	211.32332				
211.16334	211.32334				
211.16338	211.32338				
211.1631	211.3231				
211.1634	211.3234	210.1634	210.3234		
211.1636	211.3236	210.1636	210.3236	221.1636	221.3236
211.16365	211.32365				
211.16366	211.32366				
211.16367	211.32367				
211.16364	211.32364				
211.16361	211.32361				
211.16362	211.32362				
211.1632	211.3232				
211.1635	211.3235				
211.1637	211.3237	210.1637	210.3237	221.1637	221.3237
211.16376	211.32376				
211.16377	211.32377				
211.16375	211.32375				
211.16374	211.32374				
211.16372	211.32372				

(¹) 3P+N+E= 10/50



(Δ) Transparent grip
Version also available with transparent grip; just add ".TR" at the end of the catalogue number. Example 211.1633.TR.

> PLUGS - IP66/IP67

OPTIMA Series



					Screw				Insulation perforating
					16A cable gland 10/100 ¹	32A cable gland 10/40	63A cable gland 6/24	125A cable gland 1/8	16A cable gland 10/100 ¹
Poles	H _z .	Volt	Colour	h.					
2P+E	50/60	100-130		4	218.1630 (Δ)	218.3230	218.6330	218.12530	218.1630P (Δ)
	50/60	200-250		6	218.1633 (▲)(Δ)	218.3233 (▲)	218.6333	218.12533	218.1633P (▲)(Δ)
	50/60	380-415		9	218.1638	218.3238	218.6338	218.12538	218.1638P
	50/60	480-500		7					
	50/60	trasf.		12					
	>300-500	>50		2					
	c.c.	>50-250		3					
	c.c.	>250		8					
3P+E	50/60	100-130		4					
	50/60	200-250		9	218.1634	218.3234	218.6334	218.12534	218.1634P
	50/60	380-415		6	218.1636 (▲)	218.3236 (▲)	218.6336	218.12536	218.1636P (▲)
	60	440-460		11					
	50/60	480-500		7					
	50/60	600-690		5					
	50/60	380/440		3		218.32364			
	100-300	>50		10					
	>300-500	>50		2					
3P+N+E	50/60	100-130		4					
	50/60	208-250		9					
	50/60	346-415		6	218.1637 (▲)	218.3237 (▲)	218.6337	218.12537	218.1637P (▲)
	50/60	480-500		7					
	50/60	600-690		5					
	60	440-460		11					
	50/60	380/440		3					
	>300-500	>50		2					

¹ 3P+N+E= 10/40

Rated operating voltage >50V

- > Approvals: from page 695
- > Plugs cover 570.0316: page 74



(▲) Black-coloured

Versions also available in black;
just add ".K" at the end of the catalogue
number. Example 218.1633.K

EUREKA Series



IEC309 Series



EUREKA Series



				Angled outlet	
16A cable gland 10/100 ¹	32A cable gland 10/40	63A cable gland 6/24	125A cable gland 1/8	16A cable gland 10/100 ²	32A cable gland 10/40
216.1630 (Δ)	216.3230	215.6330		226.1630	226.3230
216.1633 (Δ)	216.3233	215.6333	215.12533	226.1633	226.3233
216.1638	216.3238	215.6338			
216.16336	216.32336	215.63336			
216.16333	216.32333	215.63333			
216.16332	216.32332				
216.16334	216.32334	215.63334			
216.16338	216.32338	215.63338			
216.1631	216.3231	215.6331	215.12531		
216.1634	216.3234	215.6334	215.12534		
216.1636	216.3236	215.6336	215.12536	226.1636	226.3236
216.16365	216.32365	215.63365	215.125365		
216.16366	216.32366	215.63366	215.125366		
216.16367	216.32367	215.63367	215.125367		
216.16364	216.32364				226.32364
216.16361	216.32361				
216.16362	216.32362				
216.1632	216.3232	215.6332	215.12532		
216.1635	216.3235	215.6335	215.12535		
216.1637	216.3237	215.6337	215.12537	226.1637	226.3237
216.16376	216.32376	215.63376	215.125376		
216.16377	216.32377	215.63377	215.125377		
216.16375	216.32375	215.63375	215.125375		
216.16374	216.32374				
216.16372	216.32372				

¹ 3P+N+E= 10/40
$$^2 \quad 3P+N+E = \square \quad 10/50$$

(Δ) Transparent grip

Version also available with transparent grip; just add ".TR" at the end of the catalogue number.
Example 218.1633.TR.



≥ SURFACE MOUNTING APPLIANCE INLETS

EUREKA Series



					IP44 - 90° angled		IP66/IP67 - 90° angled		
					16A	32A	16A	32A	
					70x87 10/100 ¹	70x87 10/60	70x87 10/100 ^{2/3}	70x87 10/40	
Poles	H _z	Volt	Colour	h.					
2P+E	50/60	100-130		4		242.1690	242.3290	247.1690	247.3290
	50/60	200-250		6		242.1693	242.3293	247.1693	247.3293
	50/60	380-415		9		242.1698	242.3298	247.1698	247.3298
	50/60	480-500		7		242.16936	242.32936	247.16936	247.32936
	50/60	trasf.		12		242.16933	242.32933	247.16933	247.32933
	>300-500	>50		2		242.16932	242.32932	247.16932	247.32932
	c.c.	>50-250		3		242.16934	242.32934	247.16934	247.32934
	c.c.	>250		8		242.16938	242.32938	247.16938	247.32938
3P+E	50/60	100-130		4		242.1691	242.3291	247.1691	247.3291
	50/60	200-250		9		242.1694	242.3294	247.1694	247.3294
	50/60	380-415		6		242.1696	242.3296	247.1696	247.3296
	60	440-460		11		242.16965	242.32965	247.16965	247.32965
	50/60	480-500		7		242.16966	242.32966	247.16966	247.32966
	50/60	600-690		5		242.16967	242.32967	247.16967	247.32967
	50/60	380/440		3		242.16964	242.32964	247.16964	247.32964
	100-300	>50		10		242.16961	242.32961	247.16961	247.32961
	>300-500	>50		2		242.16962	242.32962	247.16962	247.32962
3P+N+E	50/60	100-130		4		242.1692	242.3292	247.1692	247.3292
	50/60	208-250		9		242.1695	242.3295	247.1695	247.3295
	50/60	346-415		6		242.1697	242.3297	247.1697	247.3297
	50/60	480-500		7		242.16976	242.32976	247.16976	247.32976
	50/60	600-690		5		242.16977	242.32977	247.16977	247.32977
	60	440-460		11		242.16975	242.32975	247.16975	247.32975
	50/60	380/440		3		242.16974	242.32974	247.16974	247.32974
	>300-500	>50		2		242.16972	242.32972	247.16972	247.32972
					¹ 3P+N+E= 10/60	³ 3P+E= 10/60			
					² 3P+N+E= 10/50				

Rated operating voltage >50V
 - Approvals: from page 695
 - Plugs cover 570.0316: page 74

- The rubber seal acts as a drilling template, suitable for DOMINO Series enclosures (page 116)

IEC309 Series



IP66/IP67	
63A	125A
PG29/M32 3/12	PG48/M63 1/8
245.6390	
245.6393	245.12593
245.6394	
245.6391	245.12591
245.6392	245.12592
245.6396	245.12596
245.6395	245.12595
245.6397	245.12598
245.6398	245.12597

(■) The appliance inlets 63A and 125A are also available in a metric cable inlet. For ordering add. M after the first three digits (Ex. 245.M6390).

> FLUSH MOUNTING APPLIANCE INLETS

OPTIMA Series



					IP44 - Screw	
					16A 75x75 10/100 ¹	32A 75x75 10/60
Poles	Hz.	Volt	Colour	h.		
2P+E	50/60	100-130		4	243.1690	243.3290
	50/60	200-250		6	243.1693 (▲)	243.3293 (▲)
	50/60	380-415		9	243.1698	243.3298
	50/60	480-500		7	243.16936	243.32936
	50/60	trasf.		12	243.16933	243.32933
	>300-500	>50		2	243.16932	243.32932
	c.c.	>50-250		3	243.16934	243.32934
	c.c.	>250		8	243.16938	243.32938
3P+E	50/60	100-130		4	243.1691	243.3291
	50/60	200-250		9	243.1694	243.3294
	50/60	380-415		6	243.1696 (▲)	243.3296 (▲)
	60	440-460		11	243.16965	243.32965
	50/60	480-500		7	243.16966	243.32966
	50/60	600-690		5	243.16967	243.32967
	5060	380440		3	243.16964	243.32964
	100-300	>50		10	243.16961	243.32961
>300-500	>50		2	243.16962	243.32962	
3P+N+E	50/60	100-130		4	243.1692	243.3292
	50/60	208-250		9	243.1695	243.3295
	50/60	346-415		6	243.1697 (▲)	243.3297 (▲)
	50/60	480-500		7	243.16976	243.32976
	50/60	600-690		5	243.16977	243.32977
	60	440-460		11	243.16975	243.32975
	5060	380440		3	243.16974	243.32974
	>300-500	>50		2	243.16972	243.32972

¹ 3P+N+E= 10/60

Rated operating voltage >50V
- Approvals: from page 695
- Plugs cover 570.0316 page 74



(▲) Black-coloured
Versions also available in black;
just add ".K" at the end of the catalogue number.
Example 243.1693.K.

OPTIMA Series



		IP66/IP67 - Screw		IEC309 Series	
		16A 75x75 10/100 ^{1/2}	32A 75x75 10/40	63A 110x100 10	125A 110x100 10
OPTIMA Series		248.1690	248.3290	246.6390	
		248.1693 (▲)	248.3293 (▲)	246.6393	246.12593
		248.1698	248.3298	246.6394	
		248.16936	248.32936		
		248.16933	248.32933		
		248.16932	248.32932		
		248.16934	248.32934		
		248.16938	248.32938		
		248.1691	248.3291	246.6391	246.12591
		248.1694	248.3294	246.6392	246.12592
IEC309 Series		248.1696 (▲)	248.3296 (▲)	246.6396	246.12596
		248.16965	248.32965		
		248.16966	248.32966		
		248.16967	248.32967		
		248.16964	248.32964		
		248.16961	248.32961		
		248.16962	248.32962		
		248.1692	248.3292	246.6395	246.12595
		248.1695	248.3295	246.6397	246.12598
		248.1697 (▲)	248.3297 (▲)	246.6398	246.12597
IEC309 Series		248.16976	248.32976		
		248.16977	248.32977		
		248.16975	248.32975		
		248.16974	248.32974		
		248.16972	248.32972		

¹ 3P+N+E= 10/50
² 3P+E= 10/60

> CONNECTORS - IP44

OPTIMA Series							
							
Poles	Hz.	Volt	Colour	h.	Screw		Insulation perforating
					16A cable gland 10/100	32A cable gland 10/50	16A cable gland 10/100
2P+E	50/60	100-130		4	313.1640 (Δ)	313.3240	313.1640P (Δ)
	50/60	200-250		6	313.1643 (Δ)(Δ)	313.3243 (Δ)	313.1643P (Δ)(Δ)
	50/60	380-415		9	313.1648	313.3248	313.1648P
	50/60	480-500		7			
	50/60	trasf.		12			
	>300-500	>50		2			
	c.c.	>50-250		3			
	c.c.	>250		8			
3P+E	50/60	100-130		4			
	50/60	200-250		9	313.1644	313.3244	313.1644P
	50/60	380-415		6	313.1646 (Δ)	313.3246 (Δ)	313.1646P (Δ)
	60	440-460		11			
	50/60	480-500		7			
	50/60	600-690		5			
	50/60	380/440		3			
	100-300	>50		10			
3P+N+E	>300-500	>50		2			
	50/60	100-130		4			
	50/60	208-250		9			
	50/60	346-415		6	313.1647 (Δ)	313.3247 (Δ)	313.1647P (Δ)
	50/60	480-500		7			
	50/60	600-690		5			
	60	440-460		11			
	50/60	380/440		3			
	>300-500	>50		2			

Rated operating voltage >50V
- Approvals: from page 695



(Δ) Black-coloured
Versions also available in black;
just add ".K" at the end of the catalogue number.
Example 313.1643.K.

OPTIMA Series	EUREKA Series		IEC309 Series		EUREKA Series	
Safe-in device						
Screw					Angled outlet	
16A cable gland 10/100	16A cable sleeve 10/100	32A cable sleeve 10/50	16A cable sleeve 10/100	32A cable sleeve 10/50	16A cable sleeve 10/100	32A cable sleeve 10/50
313.1640H	311.1640 (Δ)	311.3240	310.1640		321.1640	321.3240
313.1643H (Δ)	311.1643 (Δ)(Δ)	311.3243	310.1643	310.3243	321.1643	321.3243
313.1648H	311.1648	311.3248				
	311.16436	311.32436				
	311.16433	311.32433				
	311.16432	311.32432				
	311.16434	311.32434				
	311.16438	311.32438				
	311.1641	311.3241				
313.1644H	311.1644	311.3244	310.1644	310.3244		
313.1646H (Δ)	311.1646	311.3246	310.1646	310.3246	321.1646	321.3246
	311.16465	311.32465				
	311.16466	311.32466				
	311.16467	311.32467				
	311.16464	311.32464				
	311.16461	311.32461				
	311.16462	311.32462				
	311.1642	311.3242				
	311.1645	311.3245				
313.1647H (Δ)	311.1647	311.3247	310.1647	310.3247	321.1647	321.3247
	311.16476	311.32476				
	311.16477	311.32477				
	311.16475	311.32475				
	311.16474	311.32474				
	311.16472	311.32472				



(Δ) Transparent grip
Version also available with transparent grip; just
add ".TR" at the end of the catalogue number.
Example 311.1643.TR.

> CONNECTORS - IP66/IP67

OPTIMA Series



					Screw				Insulation performing
Poles	Hz.	Volt	Colour	h.	16A	32A	63A	125A	16A
					cable gland 10/100 ¹	cable gland 10/40	cable gland 6/24	cable gland 1/8	cable gland 10/100 ¹
2P+E	50/60	100-130		4	318.1640 (Δ)	318.3240	318.6340	318.12540	318.1640P (Δ)
	50/60	200-250		6	318.1643 (▲)(Δ)	318.3243 (▲)	318.6343	318.12543	318.1643P (▲)(Δ)
	50/60	380-415		9	318.1648	318.3248	318.6348	318.12548	318.1648P
	50/60	480-500		7					
	50/60	trasf.		12					
	>300-500	>50		2					
	c.c.	>50-250		3					
	c.c.	>250		8					
3P+E	50/60	100-130		4					
	50/60	200-250		9	318.1644	318.3244	318.6344	318.12544	318.1644P
	50/60	380-415		6	318.1646 (▲)	318.3246 (▲)	318.6346	318.12546	318.1646P (▲)
	60	440-460		11					
	50/60	480-500		7					
	50/60	600-690		5					
	50/60	380/440		3		318.32464			
	100-300	>50		10					
3P+N+E	>300-500	>50		2					
	50/60	100-130		4					
	50/60	208-250		9					
	50/60	346-415		6	318.1647 (▲)	318.3247 (▲)	318.6347	318.12547	318.1647P (▲)
	50/60	480-500		7					
	50/60	600-690		5					
	60	440-460		11					
	50/60	380/440		3					
>300-500	>50		2						

$$^1 3P+N+E= \square 10/40$$

Rated operating voltage >50V

- Approvals: from page 695



(▲) Black-coloured

Versions also available in black;
 just add ".K" at the end of the catalogue number.
 Example 318.1643.K.

OPTIMA Series



EUREKA Series



IEC309 Series



EUREKA Series



Screw					Angled outlet	
16A cable gland ⌀10/100 ¹	16A cable gland ⌀10/100 ¹	32A cable gland ⌀10/40	63A cable gland ⌀6/24	125A cable gland ⌀1/8	16A cable gland ⌀10/100 ²	32A cable gland ⌀10/40
318.1640H	316.1640 (Δ)	316.3240	315.6340		326.1640	326.3240
318.1643H (▲)	316.1643 (Δ)	316.3243	315.6343	315.12543	326.1643	326.3243
318.1648H	316.1648	316.3248	315.6348			
	316.16436	316.32436	315.63436			
	316.16433	316.32433	315.63433			
	316.16432	316.32432				
	316.16434	316.32434	315.63434			
	316.16438	316.32438	315.63438			
	316.1641	316.3241	315.6341	315.12541		
318.1644H	316.1644	316.3244	315.6344	315.12544		
318.1646H (▲)	316.1646	316.3246	315.6346	315.12546	326.1646	326.3246
	316.16465	316.32465	315.63465	315.125465		
	316.16466	316.32466	315.63466	315.125466		
	316.16467	316.32467	315.63467	315.125467		
	316.16464	316.32464				326.32464
	316.16461	316.32461				
	316.16462	316.32462				
	316.1642	316.3242	315.6342	315.12542		
	316.1645	316.3245	315.6345	315.12545		
318.1647H (▲)	316.1647	316.3247	315.6347	315.12547	326.1647	326.3247
	316.16476	316.32476	315.63476	315.125476		
	316.16477	316.32477	315.63477	315.125477		
	316.16475	316.32475	315.63475	315.125475		
	316.16474	316.32474				
	316.16472	316.32472				

¹ 3P+N+E= 10/40
$$^2 3P+N+E= \square 10/50$$


(Δ) Transparent grip

Version also available with transparent grip; just add ".TR" at the end of the catalogue number.
Example 316.1643.TR.

> FLUSH MOUNTING SOCKET OUTLETS - IP44

EUREKA Series



					Angled outlet-normal flange		Straight outlet-reduced flange	
Poles	Hz.	Volt	Colour	h.	16A	32A	16A	32A
					70x87 10/100	84x106 10/50	75x75 10/100	75x75 10/50
2P+E	50/60	100-130	Yellow	4	412.1660	412.3260	422.1660 422.1660/R(*)	422.3260
	50/60	200-250	Blue	6	412.1663	412.3263	422.1663 (▲) 422.1663/R(*) (▲)	422.3263
	50/60	380-415	Red	9	412.1668	412.3268	422.1668 422.1668/R(*)	422.3268
	50/60	480-500	Grey	7	412.16636	412.32636	422.16636	422.32636
	50/60	trasf.	Grey	12	412.16633	412.32633	422.16633	422.32633
	>300-500	>50	Green	2	412.16632	412.32632	422.16632	422.32632
	c.c.	>50-250	Grey	3	412.16634	412.32634	422.16634	422.32634
	c.c.	>250	Grey	8	412.16638	412.32638	422.16638	422.32638
3P+E	50/60	100-130	Yellow	4	412.1661	412.3261	422.1661	422.3261
	50/60	200-250	Blue	9	412.1664	412.3264	422.1664	422.3264
	50/60	380-415	Red	6	412.1666	412.3266	422.1666	422.3266
	60	440-460	Red	11	412.16665	412.32665	422.16665	422.32665
	50/60	480-500	Grey	7	412.16666	412.32666	422.16666	422.32666
	50/60	600-690	Black	5	412.16667	412.32667	422.16667	422.32667
	50/60	380/440	Red	3	412.16664	412.32664	422.16664	422.32664
	100-300	>50	Green	10	412.16661	412.32661	422.16661	422.32661
3P+N+E	>300-500	>50	Green	2	412.16662	412.32662	422.16662	422.32662
	50/60	100-130	Yellow	4	412.1662	412.3262	422.1662	422.3262
	50/60	208-250	Blue	9	412.1665	412.3265	422.1665	422.3265
	50/60	346-415	Red	6	412.1667	412.3267	422.1667	422.3267
	50/60	480-500	Grey	7	412.16676	412.32676	422.16676	422.32676
	50/60	600-690	Black	5	412.16677	412.32677	422.16677	422.32677
	60	440-460	Red	11	412.16675	412.32675	422.16675	422.32675
	50/60	380/440	Red	3	412.16674	412.32674	422.16674	422.32674
	>300-500	>50	Green	2	412.16672	412.32672	422.16672	422.32672

(*) Flange 62x62 mm

Rated operating voltage >50V
- Approvals: from page 695
- Empty surface mounting boxes: page 75



(▲) Black-coloured flange
Versions also available with black flange
items 422.1663.K and 422.1663/R.K.

EUREKA Series

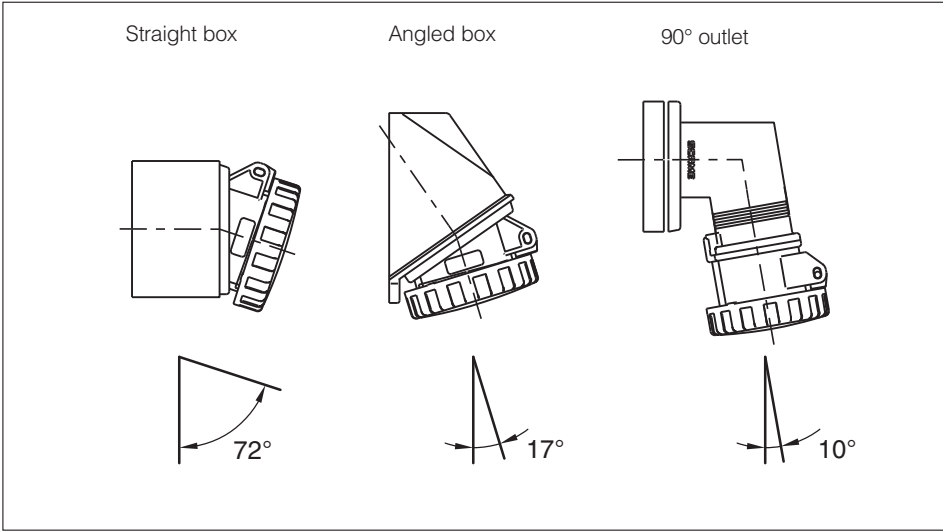


		90° angled	
16A	32A	70x87 10/60 ¹	70x87 10/40
		452.1660	452.3260
452.1663	452.3263	452.1663	452.3263
452.1668	452.3268	452.1668	452.3268
452.16636	452.32636	452.16636	452.32636
452.16633	452.32633	452.16633	452.32633
452.16632	452.32632	452.16632	452.32632
452.16634	452.32634	452.16634	452.32634
452.16638	452.32638	452.16638	452.32638
452.1661	452.3261	452.1661	452.3261
452.1664	452.3264	452.1664	452.3264
452.1666	452.3266	452.1666	452.3266
452.16665	452.32665	452.16665	452.32665
452.16666	452.32666	452.16666	452.32666
452.16667	452.32667	452.16667	452.32667
452.16664	452.32664	452.16664	452.32664
452.16661	452.32661	452.16661	452.32661
452.16662	452.32662	452.16662	452.32662
452.1662	452.3262	452.1662	452.3262
452.1665	452.3265	452.1665	452.3265
452.1667	452.3267	452.1667	452.3267
452.16676	452.32676	452.16676	452.32676
452.16677	452.32677	452.16677	452.32677
452.16675	452.32675	452.16675	452.32675
452.16674	452.32674	452.16674	452.32674
452.16672	452.32672	452.16672	452.32672

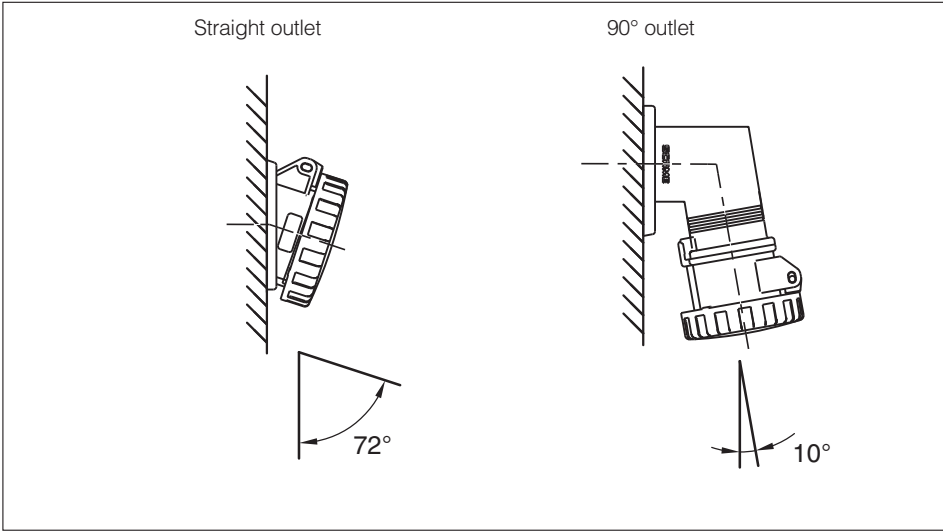
¹ 2P+E= 10/100

(●) The rubber seal acts as a drilling template, suitable for DOMINO
Series consumer units (page 116)

> SURFACE MOUNTING INSTALLATION AXIS



> FLUSH MOUNTING SOCKET INSTALLATION AXIS



> FLUSH MOUNTING SOCKET OUTLETS - IP66/IP67

EUREKA Series					IEC309 Series			
								
Angled outlet-normal flange					Angled outlet-normal flange			
Poles	Hz.	Volt	Colour	h.	16A	32A	63A	125A
					70x87 10/100	84x106 10/50	100x110 6/30	114x114 1/10
2P+E	50/60	100-130		4	417.1660	417.3260	415.6360	
	50/60	200-250		6	417.1663	417.3263	415.6363	415.12563
	50/60	380-415		9	417.1668	417.3268	415.6368	
	50/60	480-500		7	417.16636	417.32636	415.63636	
	50/60	trasf.		12	417.16633	417.32633	415.63633	
	>300-500	>50		2	417.16632	417.32632		
	c.c.	>50-250		3	417.16634	417.32634	415.63634	
	c.c.	>250		8	417.16638	417.32638	415.63638	
3P+E	50/60	100-130		4	417.1661	417.3261	415.6361	415.12561
	50/60	200-250		9	417.1664	417.3264	415.6364	415.12564
	50/60	380-415		6	417.1666	417.3266	415.6366	415.12566
	60	440-460		11	417.16665	417.32665	415.63665	415.125665
	50/60	480-500		7	417.16666	417.32666	415.63666	415.125666
	50/60	600-690		5	417.16667	417.32667	415.63667	415.125667
	50/60	380/440		3	417.16664	417.32664		
	100-300	>50		10	417.16661	417.32661		
3P+N+E	>300-500	>50		2	417.16662	417.32662		
	50/60	100-130		4	417.1662	417.3262	415.6362	415.12562
	50/60	208-250		9	417.1665	417.3265	415.6365	415.12565
	50/60	346-415		6	417.1667	417.3267	415.6367	415.12567
	50/60	480-500		7	417.16676	417.32676	415.63676	415.125676
	50/60	600-690		5	417.16677	417.32677	415.63677	415.125677
	60	440-460		11	417.16675	417.32675	415.63675	415.125675
	50/60	380/440		3	417.16674	417.32674		
	>300-500	>50		2	417.16672	417.32672		

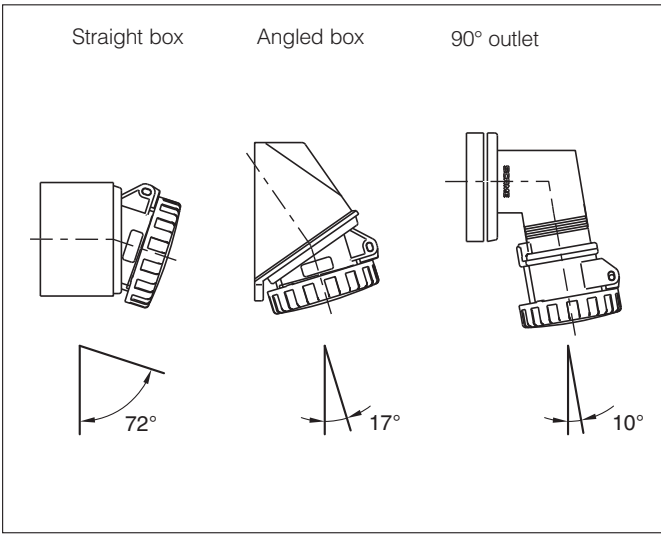
Rated operating voltage >50V
- Approvals: from page 695
- Empty surface mounting boxes: page 75

EUREKA Series			
			
Straight outlet-reduced flange		90° angled	
16A	32A	16A	32A
75x75 10/100	75x75 10/50	70x87 10/50 ¹	70x87 10/40
427.1660	427.3260	457.1660	457.3260
427.1663	427.3263	457.1663	457.3263
427.1668	427.3268	457.1668	457.3268
427.16636	427.32636	457.16636	457.32636
427.16633	427.32633	457.16633	457.32633
427.16632	427.32632	457.16632	457.32632
427.16634	427.32634	457.16634	457.32634
427.16638	427.32638	457.16638	457.32638
427.1661	427.3261	457.1661	457.3261
427.1664	427.3264	457.1664	457.3264
427.1666	427.3266	457.1666	457.3266
427.16665	427.32665	457.16665	457.32665
427.16666	427.32666	457.16666	457.32666
427.16667	427.32667	457.16667	457.32667
427.16664	427.32664	457.16664	457.32664
427.16661	427.32661	457.16661	457.32661
427.16662	427.32662	457.16662	457.32662
427.1662	427.3262	457.1662	457.3262
427.1665	427.3265	457.1665	457.3265
427.1667	427.3267	457.1667	457.3267
427.16676	427.32676	457.16676	457.32676
427.16677	427.32677	457.16677	457.32677
427.16675	427.32675	457.16675	457.32675
427.16674	427.32674	457.16674	457.32674
427.16672	427.32672	457.16672	457.32672

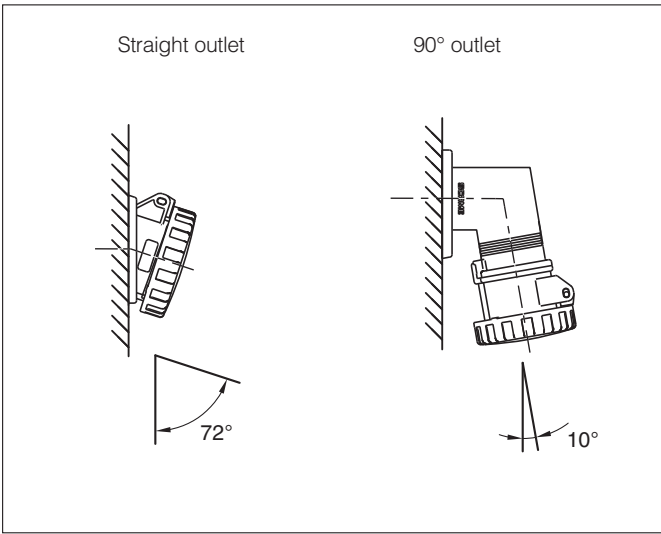
¹ 2P+E= 10/60

● The rubber seal acts as a drilling template, suitable for DOMINO Series consumer units (page 116)

> SURFACE MOUNTING INSTALLATION AXIS



> FLUSH MOUNTING SOCKET INSTALLATION AXIS



> SURFACE MOUNTING SOCKET OUTLETS

EUREKA Series									
									
IP44 - Straight box					IP66/IP67 - Straight box				
Poles	Hz.	Volt	Colour	h.	16A	32A	16A	32A	
					PG16/M20 10/50	PG21/M25 10/40	PG16/M20 10/50	PG21/M25 10/40	
2P+E	50/60	100-130		4	522.1650	522.3250	527.1650	527.3250	
	50/60	200-250		6	522.1653	522.3253	527.1653	527.3253	
	50/60	380-415		9	522.1658	522.3258	527.1658	527.3258	
	50/60	480-500		7	522.16536	522.32536	527.16536	527.32536	
	50/60	trasf.		12	522.16533	522.32533	527.16533	527.32533	
	>300-500	>50		2	522.16532	522.32532	527.16532	527.32532	
	c.c.	>50-250		3	522.16534	522.32534	527.16534	527.32534	
	c.c.	>250		8	522.16538	522.32538	527.16538	527.32538	
3P+E	50/60	100-130		4	522.1651	522.3251	527.1651	527.3251	
	50/60	200-250		9	522.1654	522.3254	527.1654	527.3254	
	50/60	380-415		6	522.1656	522.3256	527.1656	527.3256	
	60	440-460		11	522.16565	522.32565	527.16565	527.32565	
	50/60	480-500		7	522.16566	522.32566	527.16566	527.32566	
	50/60	600-690		5	522.16567	522.32567	527.16567	527.32567	
	50 60	380 440		3	522.16564	522.32564	527.16564	527.32564	
	100-300	>50		10	522.16561	522.32561	527.16561	527.32561	
3P+N+E	>300-500	>50		2	522.16562	522.32562	527.16562	527.32562	
	50/60	100-130		4	522.1652	522.3252	527.1652	527.3252	
	50/60	208-250		9	522.1655	522.3255	527.1655	527.3255	
	50/60	346-415		6	522.1657	522.3257	527.1657	527.3257	
	50/60	480-500		7	522.16576	522.32576	527.16576	527.32576	
	50/60	600-690		5	522.16577	522.32577	527.16577	527.32577	
	60	440-460		11	522.16575	422.32575	527.16575	527.32575	
	50 60	380 440		3	522.16574	522.32574	527.16574	527.32574	
	>300-500	>50		2	522.16572	522.32572	527.16572	527.32572	

Rated operating voltage >50V
- Approvals: from page 695
- Empty surface mounting boxes: page 75
- With gasket 4 screw kit, enclosure with knockout entrance.

EUREKA Series				IEC309 Series	
					
IP44 - Angled box		IP66/IP67 - Angled box		IP66/IP67 - Angled box	
16A	32A	16A	32A	63A	125A
PG16/M20 10/50	PG21/M25 10/40	PG16/M20 10/50 ¹	PG21/M25 10/40	PG29/M32 6/12	PG48/M63 1/8
512.1650	512.3250	517.1650	517.3250	515.6350	
512.1653	512.3253	517.1653	517.3253	515.6353	515.12553
512.1658	512.3258	517.1658	517.3258	515.6358	
512.16536	512.32536	517.16536	517.32536	515.63536	
512.16533	512.32533	517.16533	517.32533	515.63533	
512.16532	512.32532	517.16532	517.32532		
512.16534	512.32534	517.16534	517.32534	515.63534	
512.16538	512.32538	517.16538	517.32538	515.63538	
512.1651	512.3251	517.1651	517.3251	515.6351	515.12551
512.1654	512.3254	517.1654	517.3254	515.6354	515.12554
512.1656	512.3256	517.1656	517.3256	515.6356	515.12556
512.16565	512.32565	517.16565	517.32565	515.63565	515.125565
512.16566	512.32566	517.16566	517.32566	515.63566	515.125566
512.16567	512.32567	517.16567	517.32567	515.63567	515.125567
512.16564	512.32564	517.16564	517.32564		
512.16561	512.32561	517.16561	517.32561		
512.16562	512.32562	517.16562	517.32562		
512.1652	512.3252	517.1652	517.3252	515.6352	515.12552
512.1655	512.3255	517.1655	517.3255	515.6355	515.12555
512.1657	512.3257	517.1657	517.3257	515.6357	515.12557
512.16576	512.32576	517.16576	517.32576	515.63576	515.125576
512.16577	512.32577	517.16577	517.32577	515.63577	515.125577
512.16575	512.32575	517.16575	517.32575	515.63575	515.125575
512.16574	512.32574	517.16574	517.32574		
512.16572	512.32572	517.16572	517.32572		

¹ 3P+N+E= 10/40.
 Versions also available in a metric cable inlet.
For ordering add M after the first three digits (Ex. 522.M1650).

> PLUGS AND SOCKETS

IEC309 Series



Poles	Hz.	Volt	Colour	h.	IP44		IP66/IP67	
					16A	32A	16A	32A
					10/100	10/100	10/100	10/100
2P	50/60	20-25		-	230.1600	230.3200	330.1605	330.3205
	50/60	40-50		12	230.1601	230.3201	330.1606	330.3206
	100-200	20-25 40-50		4	230.16010	230.32010	330.16060	330.32060
	300	20-25 40-50		2	230.16012	230.32012	330.16062	330.32062
	400	20-25 40-50		3	230.16014	230.32014	330.16064	330.32064
	>400-500	20-25 40-50		11	230.16015	230.32015	330.16065	330.32065
	c.c	20-25 40-50		10	230.1602	230.3202	330.1607	330.3207
3P	50/60	20-25		-	230.1604	230.3204	330.1609	330.3209
	50/60	40-50		12	230.1603	230.3203	330.1608	330.3208
	100-200	20-25 40-50		4	230.16030	230.32030	330.16080	330.32080
	300	20-25 40-50		2	230.16032	230.32032	330.16082	330.32082
	400	20-25 40-50		3	230.16034	230.32034	330.16084	330.32084
	>400-500	20-25 40-50		11	230.16035	230.32035	330.16085	330.32085

IP44		IP66/IP67	
16A	32A	16A	32A
10/100	10/100	10/100	10/100
235.1600	235.3200	335.1605	335.3205
235.1601	235.3201	335.1606	335.3206
235.16010	235.32010	335.16060	335.32060
235.16012	235.32012	335.16062	335.32062
235.16014	235.32014	335.16064	335.32064
235.16015	235.32015	335.16065	335.32065
235.1602	235.3202	335.1607	335.3207
235.1604	235.3204	335.1609	335.3209
235.1603	235.3203	335.1608	335.3208
235.16030	235.32030	335.16080	335.32080
235.16032	235.32032	335.16082	335.32082
235.16034	235.32034	335.16084	335.32084
235.16035	235.32035	335.16085	335.32085

Rated operating voltage <50V
- Approvals: from page 695

> FLUSH MOUNTING SOCKET OUTLETS

IEC309 Series



Poles	Hz.	Volt	Colour	h.	IP44 - Angled-standard flange		IP66/IP67 - Angled-standard flange	
					16A	32A	16A	32A
					70x87 □ 10/100	70x87 □ 10/100	70x87 □ 10/100	70x87 □ 10/100
2P	50/60	20-25		-	430.1615	430.3215	435.1615	435.3215
	50/60	40-50		12	430.1616	430.3216	435.1616	435.3216
	100-200	20-25 40-50		4	430.16160	430.32160	435.16160	435.32160
	300	20-25 40-50		2	430.16162	430.32162	435.16162	435.32162
	400	20-25 40-50		3	430.16164	430.32164	435.16164	435.32164
	>400-500	20-25 40-50		11	430.16165	430.32165	435.16165	435.32165
	c.c	20-25 40-50		10	430.1617	430.3217	435.1617	435.3217
3P	50/60	20-25		-	430.1619	430.3219	435.1619	435.3219
	50/60	40-50		12	430.1618	430.3218	435.1618	435.3218
	100-200	20-25 40-50		4	430.16180	430.32180	435.16180	435.32180
	300	20-25 40-50		2	430.16182	430.32182	435.16182	435.32182
	400	20-25 40-50		3	430.16184	430.32184	435.16184	435.32184
	>400-500	20-25 40-50		11	430.16185	430.32185	435.16185	435.32185

IP44 - Straight-reduced-flange		IP66/IP67 - Straight-reduced-flange	
16A	16A	16A	16A
55x55 □ 10/100	55x55 □ 10/100	55x55 □ 10/100	55x55 □ 10/100
430.1615/R	430.3215/R	435.1615/R	435.3215/R
430.1616/R	430.3216/R	435.1616/R	435.3216/R
430.16160/R	430.32160/R	435.16160/R	435.32160/R
430.16162/R	430.32162/R	435.16162/R	435.32162/R
430.16164/R	430.32164/R	435.16164/R	435.32164/R
430.16165/R	430.32165/R	435.16165/R	435.32165/R
430.1617/R	430.3217/R	435.1617/R	435.3217/R
430.1619/R	430.3219/R	435.1619/R	435.3219/R
430.1618/R	430.3218/R	435.1618/R	435.3218/R
430.16180/R	430.32180/R	435.16180/R	435.32180/R
430.16182/R	430.32182/R	435.16182/R	435.32182/R
430.16184/R	430.32184/R	435.16184/R	435.32184/R
430.16185/R	430.32185/R	435.16185/R	435.32185/R

Rated operating voltage <50V
- Approvals: from page 695

> SURFACE MOUNTING SOCKET OUTLETS

										IEC309 Series			
													
													
										IP44 - Angled box		IP66/IP67 - Angled box	
Poles	Hz.	Volt	Colour	h.	16A		32A			16A		32A	
					PG16/M20 10/50	PG16/M20 10/50	PG16/M20 10/50	PG16/M20 10/50		PG16/M20 10/50	PG16/M20 10/50	PG16/M20 10/50	PG16/M20 10/50
2P	50/60	20-25		-	530.01610	530.03210	535.01610	535.03210		530.1610	530.3210	535.1610	535.3210
	50/60	40-50		12	530.01611	530.03211	535.01611	535.03211		530.1611	530.3211	535.1611	535.3211
	100-200	20-25 40-50		4	530.016110	530.032110	535.016110	535.032110		530.16110	530.32110	535.16110	535.32110
	300	20-25 40-50		2	530.016112	530.032112	535.016112	535.032112		530.16112	530.32112	535.16112	535.32112
	400	20-25 40-50		3	530.016114	530.032114	535.016114	535.032114		530.16114	530.32114	535.16114	535.32114
	>400-500	20-25 40-50		11	530.016115	530.032115	535.016115	535.032115		530.16115	530.32115	535.16115	535.32115
	c.c	20-25 40-50		10	530.01612	530.03212	535.01612	535.03212		530.1612	530.3212	535.1612	535.3212
3P	50/60	20-25		-	530.01614	530.03214	535.01614	535.03214		530.1614	530.3214	535.1614	535.3214
	50/60	40-50		12	530.01613	530.03213	535.01613	535.03213		530.1613	530.3213	535.1613	535.3213
	100-200	20-25 40-50		4	530.016130	530.032130	535.016130	535.032130		530.16130	530.32130	535.16130	535.32130
	300	20-25 40-50		2	530.016132	530.032132	535.016132	535.032132		530.16132	530.32132	535.16132	535.32132
	400	20-25 40-50		3	530.016134	530.032134	535.016134	535.032134		530.16134	530.32134	535.16134	535.32134
	>400-500	20-25 40-50		11	530.016135	530.032135	535.016135	535.032135		530.16135	530.32135	535.16135	535.32135

Rated operating voltage <50V
- Approvals: from page 695
- Whit gasket, 4 screw kit, enclosure with knockout entrance.

■ The surface mounting socket outlets illustrated on this two pages, are also available in a metric cable inlet. For ordering add. M after the first three digits (Ex. 535.M01610).

> WATERTIGHT AND SPLASHPROOF PIN AND SLEEVE DEVICES IP67 AND IP44 - 20A

EUREKA-HD Series



WATERTIGHT - IP67

Poles & Wires	Configuration			Voltage/ Colour Coding	Plug	Connector	Cable O.D. Range Inches	Receptable	Inlet
	Receptable/ Connector	Plug/Inlet	Clock position						
2P 3W			4h	125	SCM320P4W	SCM320C4W	.57-.71	SCM320R4W	SCM320B4W
2P 3W			6h	250	SCM320P6W	SCM320C6W	.57-.71	SCM320R6W	SCM320B6W
2P 3W			5h	277	SCM320P5W	SCM320C5W	.57-.71	SCM320R5W	SCM320B5W
2P 3W			7h	480	SCM320P7W	SCM320C7W	.57-.71	SCM320R7W	SCM320B7W
3P 4W			12h	125/250	SCM420P12W	SCM420C12W	.57-.71	SCM420R12W	SCM420B12W
3P 4W			9h	3Ø250	SCM420P9W	SCM420C9W	.57-.71	SCM420R9W	SCM420B9W
3P 4W			7h	3Ø480	SCM420P7W	SCM420C7W	.57-.71	SCM420R7W	SCM420B7W
3P 4W			5h	3Ø600	SCM420P5W	SCM420C5W	.57-.71	SCM420R5W	SCM420B5W
4P 5W			9h	3ØY120/208	SCM520P9W	SCM520C9W	.57-.71	SCM520R9W	SCM520B9W
4P 5W			7h	3ØY277/480	SCM520P7W	SCM520C7W	.57-.71	SCM520R7W	SCM520B7W
4P 5W			5h	3ØY347/600	SCM520P5W	SCM520C5W	.57-.71	SCM520R5W	SCM520B5W

SPLASHPROOF - IP44

2P 3W			4h	125	SCM320P4S	SCM320C4S	.57-.71	SCM320R4S	SCM320B4S
2P 3W			6h	250	SCM320P6S	SCM320C6S	.57-.71	SCM320R6S	SCM320B6S
2P 3W			5h	277	SCM320P5S	SCM320C5S	.57-.71	SCM320R5S	SCM320B5S
3P 4W			12h	125/250	SCM420P12S	SCM420C12S	.57-.71	SCM420R12S	SCM420B12S
3P 4W			9h	3ph.250	SCM420P9S	SCM420C9S	.57-.71	SCM420R9S	SCM420B9S
4P 5W*			9h	3ph.120/208	SCM520P9S	SCM520C9S	.57-.71	SCM520R9S	SCM520B9S

(1) Can be used with T&B Russellstoll JB series back boxes.

Reating operating voltage >50V
UL Listed E238171, E238172
UL Classified E238170
- Approvals: from page 695

> WATERTIGHT AND SPLASHPROOF PIN AND SLEEVE DEVICES IP67 AND IP44 - 30A

EUREKA-HD Series



WATERTIGHT - IP67

Poles & Wires	Configuration			Voltage/ Colour Coding	Plug	Connector	Cable O.D. Range Inches	Receptable	Inlet
	Receptable/ Connector	Plug/Inlet	Clock position						
2P 3W			4h	125	SCM330P4W	SCM330C4W	.675-.91	SCM330R4W	SCM330B4W
2P 3W			6h	250	SCM330P6W	SCM330C6W	.675-.91	SCM330R6W	SCM330B6W
2P 3W			7h	480	SCM330P7W	SCM330C7W	.675-.91	SCM330R7W	SCM330B7W
3P 4W			12h	125/250	SCM430P12W	SCM430C12W	.675-.91	SCM430R12W	SCM430B12W
3P 4W			9h	3Ø250	SCM430P9W	SCM430C9W	.675-.91	SCM430R9W	SCM430B9W
3P 4W			7h	3Ø480	SCM430P7W	SCM430C7W	.675-.91	SCM430R7W	SCM430B7W
3P 4W			5h	3Ø600	SCM430P5W	SCM430C5W	.675-.91	SCM430R5W	SCM430B5W
4P 5W			9h	3ØY120/208	SCM530P9W	SCM530C9W	.675-.91	SCM530R9W	SCM530B9W
4P 5W			7h	3ØY277/480	SCM530P7W	SCM530C7W	.675-.91	SCM530R7W	SCM530B7W
4P 5W			5h	3ØY347/600	SCM530P5W	SCM530C5W	.675-.91	SCM530R5W	SCM530B5W

SPLASHPROOF - IP44

2P 3W			4h	125	SCM330P4S	SCM330C4S	.675-.91	SCM330R4S	SCM330B4S
2P 3W			6h	250	SCM330P6S	SCM330C6S	.675-.91	SCM330R6S	SCM330B6S
2P 3W			5h	277	SCM330P5S	SCM330C5S	.675-.91	SCM330R5S	SCM330B5S
3P 4W			12h	125/250	SCM430P12S	SCM430C12S	.675-.91	SCM430R12S	SCM430B12S
3P 4W			9h	3ph.250	SCM430P9S	SCM430C9S	.675-.91	SCM430R9S	SCM430B9S
4P 5W			9h	3ph.120/208	SCM530P9S	SCM530C9S	.675-.91	SCM530R9S	SCM530B9S

(1) Can be used with T&B Russellstoll JB series back boxes.



> WATERTIGHT AND SPLASHPROOF PIN AND SLEEVE DEVICES IP67 - 60A

EUREKA-HD Series



WATERTIGHT - IP67

Poles & Wires	Configuration			Voltage/ Colour Coding	Plug	Connector	Cable O.D. Range Inches	Receptable	Inlet
	Receptable/ Connector	Plug/Inlet	Clock position						
2P 3W			4h	125	SCM360P4W	SCM360C4W	.937-1.375	SCM360R4W	SCM360B4W
2P 3W			6h	250	SCM360P6W	SCM360C6W	.937-1.375	SCM360R6W	SCM360B6W
2P 3W			5h	277	SCM360P5W	SCM360C5W	.937-1.375	SCM360R5W	SCM360B5W
2P 3W			7h	480	SCM360P7W	SCM360C7W	.937-1.375	SCM360R7W	SCM360B7W
2P 3W			3h	250DC	SCM360P3W	SCM360C3W	.937-1.375	SCM360R3W	SCM360B3W
3P 4W			12h	125/250	SCM460P12W	SCM460C12W	.937-1.375	SCM460R12W	SCM460B12W
3P 4W			9h	3Ø250	SCM460P9W	SCM460C9W	.937-1.375	SCM460R9W	SCM460B9W
3P 4W			7h	3Ø480	SCM460P7W	SCM460C7W	.937-1.375	SCM460R7W	SCM460B7W
3P 4W			5h	3Ø600	SCM460P5W	SCM460C5W	.937-1.375	SCM460R5W	SCM460B5W
4P 5W			9h	3ØY120/208	SCM560P9W	SCM560C9W	.937-1.375	SCM560R9W	SCM560B9W
4P 5W			7h	3ØY277/480	SCM560P7W	SCM560C7W	.937-1.375	SCM560R7W	SCM560B7W
4P 5W			5h	3ØY347/600	SCM560P5W	SCM560C5W	.937-1.375	SCM560R5W	SCM560B5W

(1) Can be used with T&B Russellstoll JB series back boxes.

Reating operating voltage >50V
UL Listed E238171, E238172
UL Classified E238170
- Approvals: from page 695

> WATERTIGHT AND SPLASHPROOF PIN AND SLEEVE DEVICES IP67 - 100A

EUREKA-HD Series



WATERTIGHT - IP67

Poles & Wires	Configuration			Voltage/ Colour Coding	Plug	Connector	Cable O.D. Range Inches	Receptable	Inlet
	Receptable/ Connector	Plug/Inlet	Clock position						
2P 3W			6h	250	SCM3100P6W	*	1.2650-1.790	*	*
2P 3W			7h	480	*	*	1.2650-1.790	*	*
3P 4W			12h	125/250	SCM4100P12W	SCM4100C12W	1.2650-1.790	SCM4100R12W	SCM4100B12W
3P 4W			9h	3Ø250	SCM4100P9W	SCM4100C9W	1.2650-1.790	SCM4100R9W	SCM4100B9W
3P 4W			7h	3Ø480	SCM4100P7W	SCM4100C7W	1.2650-1.790	SCM4100R7W	SCM4100B7W
3P 4W			5h	3Ø600	SCM4100P5W	SCM4100C5W	1.2650-1.790	SCM4100R5W	SCM4100B5W
4P 5W			9h	3ØY120/208	SCM5100P9W	SCM5100C9W	1.2650-1.790	SCM5100R9W	SCM5100B9W
4P 5W			7h	3ØY277/480	SCM5100P7W	SCM5100C7W	1.2650-1.790	SCM5100R7W	SCM5100B7W
4P 5W			5h	3ØY347/600	SCM5100P5W	SCM5100C5W	1.2650-1.790	SCM5100R5W	SCM5100B5W

(1) Can be used with T&B Russellstoll JB series back boxes.



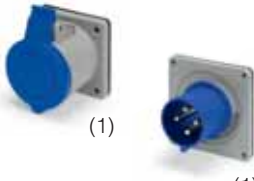
> INTERNATIONAL RATINGS

EUREKA-HD Series

CLASSIFIED

UL

CE



(1)

Poles & Wires	Configuration			Voltage/ Colour Coding	Plug	Connector	Cable O.D. Range Inches	Receptable	Inlet
	Receptable/ Connector	Plug/Inlet	Clock position						
2P 3W			4h	110V	SCM316P4S	SCM316C4S	.57-.71	SCM316R4S	SCM316B4S
2P 3W			6h	250V	SCM316P6S	SCM316C6S	.57-.71	SCM316R6S	SCM316B6S
3P 4W			6h	380-415V	SCM416P6S	SCM416C6S	.57-.71	SCM416R6S	SCM416B6S
4P 5W			6h	220-240/ 380-415V	SCM516P6S	SCM516C6S	.57-.71	SCM516R6S	SCM516B6S

32A IP44

2P 3W			4h	110V	SCM332P4S	SCM332C4S	.675-.91	SCM332R4S	SCM332B4S
2P 3W			6h	250V	SCM332P6S	SCM332C6S	.675-.91	SCM332R6S	SCM332B6S
3P 4W			6h	380-415V	SCM432P6S	SCM432C6S	.675-.91	SCM432R6S	SCM432B6S
3P 4W			3h	380-440V	Special Application - Contact Tech Support				
4P 5W			6h	220-240/ 380-415V	SCM532P6S	SCM532C6S	.675-.91	SCM532R6S	SCM532B6S

(1) Can be used with T&B Russellstoll JB series back boxes.

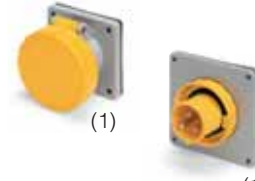
Reating operating voltage >50V
UL Classified E238170
- Approvals: from page 695

EUREKA-HD Series

CLASSIFIED

UL

CE



(1)

Poles & Wires	Configuration			Voltage/ Colour Coding	Plug	Connector	Cable O.D. Range Inches	Receptable	Inlet
	Receptable/ Connector	Plug/Inlet	Clock position						
2P 3W			6h	250V	SCM363P6W	SCM363C6W	.937-1.375	SCM363R6W	SCM363B6W
3P 4W			6h	380-415V	SCM463P6W	SCM463C6W	.937-1.375	SCM463R6W	SCM463B6W
4P 5W			6h	220-240/ 380-415V	SCM563P6W	SCM563C6W	.937-1.375	SCM563R6W	SCM563B6W

125A IP67

2P 3W**			6h	250V	SCM3125P6W	SCM3125C6W	1.265-1.790	SCM3125R6W	SCM3125B6W
3P 4W			6h	380-415V	SCM4125P6W	SCM4125C6W	1.265-1.790	SCM4125R6W	SCM4125B6W
4P 5W			6h	220-240/ 380-415V	SCM5125P6W	SCM5125C6W	1.265-1.790	SCM5125R6W	SCM5125B6W

(1) Can be used with T&B Russellstoll JB series back boxes.

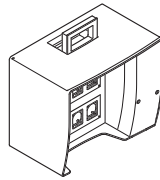
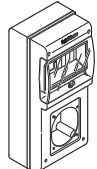
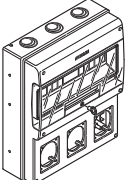
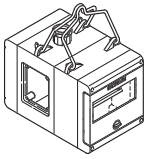
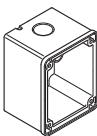
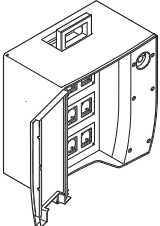
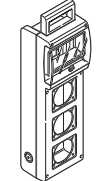
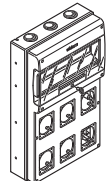
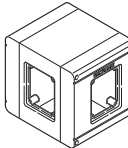
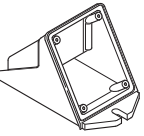
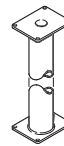
> CONNECTOR FOR ELECTRIC VEHICLES - IP44

LIBERA Series

Description	Type		
Adaptors for domestic use	Italian plug (P17) 16A-230V~ 2P+E - IP20	10/100	200.01623
	French-German plug 16A-230V~ 2P+E - IP20	10/100	200.01624
Plug	16A-230V~ 2P+E+pilot - IP44	10/100	200.01633
	32A-230V~ 2P+E+pilot - IP44	10/100	200.03233

							
Description	Type	Flange					
Connectors	16A-230V~ 2P+E+pilot - IP44		10/100	200.01643			
	32A-230V~ 2P+E+pilot - IP44		10/100	200.03243			
Flush mounting socket	16A-230V~ 2P+E+pilot - IP44	70x87 mm	10/100		200.01663		
	32A-230V~ 2P+E+pilot - IP44	70x87 mm	10/100		200.03263		
Angled socket	16A-230V~ 2P+E+pilot - IP44	70x87 mm	10/100			200.01693	
	32A-230V~ 2P+E+pilot - IP44	70x87 mm	10/100			200.03293	

> COMPLETION OF THE OFFER:

Enclosure MBOX Series	Enclosure BLOCK Series IP66	Enclosure DOMINO Series IP66	Adaptors and Turrets ADAPTO Series	Wall boxes DOMO Series
 656.0026-000	 632.1500-000	 672.4316	 623.3500-000	 570.0016
 657.0038-000 657.0039-000	 632.3500-000	 672.5616	 625.4500-000	 570.0116
	 632.4500-000		 692.4340	

> SUPPLY PANEL FOR ELECTRIC VEHICLES

Technical characteristics

- Version with earthing conductor control card for self-propelling electric vehicles (as adopted in Italy – 3 charge mode – and as specified in the standard CEI 69-6 regarding recharging in areas open to third parties).
- N. 2 Libera series 2P+E+ pilot according to CEI 69-6.
- Socket protection with D curve bipolar MT switch and “A” type differential on each socket.
- Emergency cut-off of the recharging system (and the supply of the sockets).
- Panel supply voltage: 230 Vac.
- Rated current: 32A

LIBERA Series

Description		
With 2 Libera Series 16A flush sockets and emergency push-button	1	671.3026-480

> ACCESORIES

LIBERA Series

Description		
Tubular pole in galvanized steel	1	654.0650
Fastening plate	1	654.0651

> FRONT VIEW



>SIDE VIEW



> FLUSH MOUNTING - FLANGE 50X60mm - IP54

DOMO Series



Description	Standard		
2P+E - 16A - 250V~	Italian (P30)		10/100
2P+E - 16A - 250V~	German		10/100
2P+E - 16A - 250V~	Italian (P17/11)		10/100
2P+E - 16A - 250V~	French (UTE)		10/100

- With spring lid.
- Supplied with gasket.

570.2081

570.2061

570.2071

570.2091

> FLUSH MOUNTING - FLANGE 70X87mm - IP54

DOMO Series



Description	Standard		
2P+E - 16A - 250V~	Pluristandard		10/100
2P+E - 16A - 250V~	German		10/100
2P+E - 16A - 250V~	Italian (P17/11)		10/100
2P+E - 16A - 250V~	Italian (P30)		10/100
2P+E - 16A - 250V~	French (UTE)		10/100

- With spring lid.
- Supplied with gasket.
- Suitable for product 570.0016 and 570.0116 (see page 75).

570.4051

570.4061

570.4071

570.4081

570.4091

> FLUSH MOUNTING - FLANGE 70X87mm - IP54

DOMO Series



Description	Standard		
2P+E - 13A - 250V~	British		10/100

- With spring lid.
- Supplied with gasket.
- Not suitable for product 570.0116 and 0116 (see page 75).

570.4080

> SURFACE MOUNTING - FLANGE 70X87mm - IP54

DOMO Series



Description	Standard	Cable Inlet		
2P+E - 16A - 250V~	Pluristandard		PG16 M20	9/90 9/90
2P+E - 16A - 250V~	German		PG16 M20	9/90 9/90
2P+E - 16A - 250V~	Italian (P17/11)		PG16 M20	9/90 9/90
2P+E - 16A - 250V~	Italian (P30)		PG16 M20	9/90 9/90
2P+E - 16A - 250V~	French (UTE)		PG16 M20	9/90 9/90

- With spring lid.
- Supplied with gasket.
- Box already mounted product 570.0016 (see page 75)

570.4151

570.M4151

570.4161

570.M4161

570.4171

570.M4171

570.4181

570.M4181

570.4191

570.M4191

> BS SOCKET OUTLET - IP66

DOMO Series



Description	Socket outlet		
Switched socket-outlet (13A)		1/12	570.7180

Italian Standard P11 10A	Italian Standard P17/11 16A	Italian Standard P30 16A	German Standard 16A	French Standard 16A	Pluristandard Socket 16A	British Standard Socket 13A
Shuttered socket Italian standard CEI 23-50	Shuttered socket Italian standard CEI 23-50	Shuttered socket Italian standard CEI 23-50	Unshuttered socket	Shuttered socket	Shuttered socket	Shuttered socket

> MECHANICAL LOCKING DEVICES - IP67

ACCESSORIES



Description		
63A 3P+N+T	1	570.1563
125A 3P+N+T	1	570.1125

- Allows only authorised personnel to handle the appliance coupler.
- For Scame IP66/IP67 appliance inlets IEC309 Series (see page 45).
- Made of zinc plated steel.
- Can be padlocked.

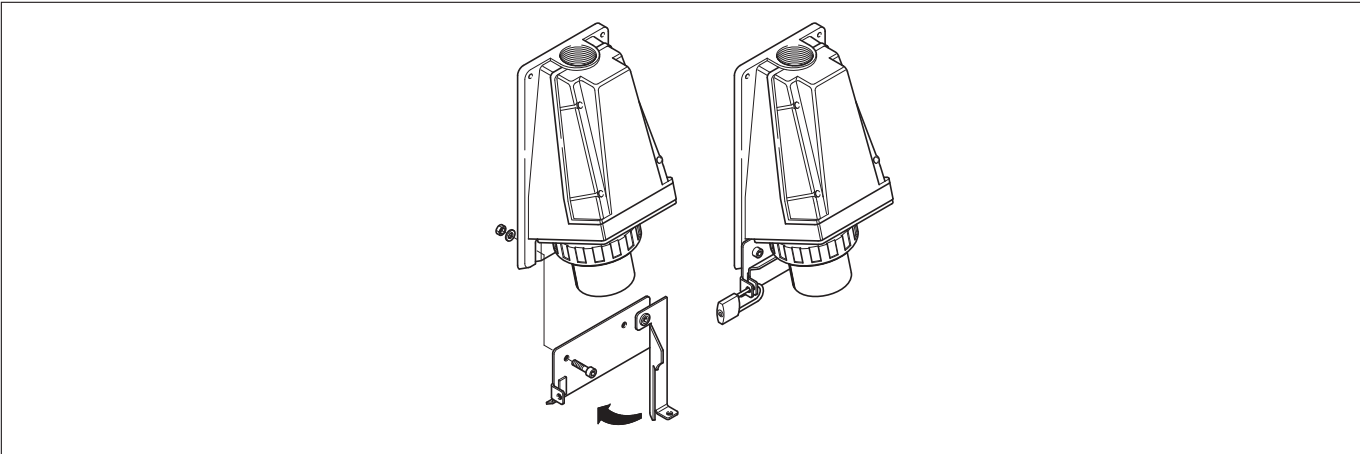
> COVER FOR IP44 AND IP67 PLUGS

ACCESSORIES



Description		
Plugs cover 16A/20A - 2P+E	10/100	570.0316

> MECHANICAL LOCK ON 63A PLUG



> EMPTY SURFACE MOUNTING BOXES - IP67

DOMO Series



Outlet	Cable Inlet	Suitable for sockets	Flange dim (mm)	Cable Inlet		
Straight box	Knockout hole	16A IP44/IP67	70x87	PG16	10	570.0016 (*)
				M20	10	570.M0016 (*)
		32A IP44/IP67	84x106	PG21	10	570.0032 (*)
				M25	10	570.M0032 (*)
Angled box	Knockout hole	16A IP44/IP67	70x87	PG16	10	570.0116
				M20	10	570.M0116
		32A IP44/IP67	84x106	PG21	10	570.0132
				M25	10	570.M0132
Threaded		63A IP67	100X110	PG29	6	570.0163
				M32	6	570.M0163
		125A IP67	114X114	PG48	6	570.0125
				M63	6	570.M0125

- For the surface mounting of IEC309, EUREKA and DOMO Serie panel mounting socket outlets.
- Supplied with socket fastening screws.
- Screw cap with seal.
- (*) Suitable for the sealing caps

> SEALING CAPS

ACCESSORIES



Description		
Sealing caps (12 pieces)	10/100	654.0080

