

SINGLE-POLE POWER CONNECTORS 700 A / 1 000 V

- ▶ UP TO 700 A
- ► AUTOMATIC IP66/IP67 WATER- AND DUST-TIGHT
- ► ELECTROMECHANICAL INTERLOCKING SYSTEM

The highest possible safety

- Reliable mechanical and electrical interlocking with pilotcontact circuit
- IP2X socket-outlet when cap removed,
- Automatic IP66/IP67 watertightness when plug is connected.

An easily operable connector

- Straight insertion of the plug into the socket-outlet without any rotation,
- Different mechanical keying of L1, L2, L3, N and E,
- Visual identification by standard colours,
- Screwed crimping lugs facilitate cable replacement.

Performances

Thanks to the butt-contact principle, the SP withstands continuously up to 700A / 1000 V a.c. or 1500V d.c. (70 mm 2 to 400 mm 2 conductors), withstands at least 2000 operations.

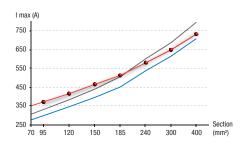


Automatically IP66/IP67 when connected (dust and water hose down)

SP Characterisation

Permissible current according to conductor cross-section at 30 $^{\circ}\mathrm{C}$ ambient temperature

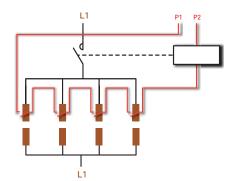
- Maximum permanent permissible current in the SP after 2 000 operations depending on cable cross-section
- Maximum intensity of permanent current specified by the cable manufacturers to maintain a conductor core temperature < 85 °C
- Maximum intensity of permanent current specified bythe NFC 15-100 or the IEC 60 364-5-52 standards to maintain a conductor core temperature < 70 °C



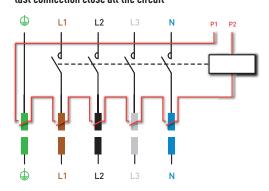
Silver-tipped butt-contact ensure perfect and durable electrical connection



Interlocking electrical wiring diagram: increased power with parallel connection



Interlocking electrical wiring diagram: last connection close all the circuit





MAIN FEATURES			
Rated current	700 A	Shock resistance	IK08
	For higher current, please contact us	Ambient temperature	-40 °C to +60 °C
Maximum voltage a.c.	1000 V	Flexible wiring (min-max)	50 - 400 mm ²
Maximum voltage d.c.	1500 V	Keying positions	mechanical (5) and visual
Short-circuit current lcc	20 kA during 250 ms	Number of operations	2000
IP protection lid closed	IP66/IP67	Pre-wired pilot circuit	6 A / 250 V

	SOCKET-OUTLET female SP (700 A)	The same
	Without lug	-
oding*		P

INLET male SP (700 A) Without lug



Туре	European color codin	g* Part no.	Part no.
L1	Brown	4544001	4548001
L2	Black	4544002	4548002
L3	Grey	4544003	4548003
Neutral	Blue	454400N	454800N
Earth	Green	454400T	454800T
Positive	Red	454400P	454800P
Negative	Black	454400M	454800M

^{*} Part-numbers valid for Europe and Japan. For other countries: add the suffix : P80 for the USA / P67 for Australia / P40 for UK and South-Africa

LUGS

Lug choice depends on the cable: the cross-section of the flexible cable mentioned in the table below is for information only.

Please check dimensions as these may vary according to cable types and manufacturers.

Wiring (mm²) hole threaded M12* (mm) Flexible Stranded Part no. Part no. 50 70 454A50C 454A50D 11 70 95 454A70C 454A70D 13,1 95 120 454A95C 454A95D 14,5 120 150 454A12C 454A12D 16,2 150 185 454A15C 454A15D 18 185 240 454A18C 454A18D 20,6 240 300 454A24C 454A24D 23,1 300 400 454A30C 454A30D 26,1					
50 70 454A50C 454A50D 11 70 95 454A70C 454A70D 13,1 95 120 454A95C 454A95D 14,5 120 150 454A12C 454A12D 16,2 150 185 454A15C 454A15D 18 185 240 454A18C 454A18D 20,6 240 300 454A24C 454A24D 23,1 300 400 454A30C 454A30D 26,1	Wiring	g (mm²)	•	•	Internal diameter (mm)
70 95 454A70C 454A70D 13,1 95 120 454A95C 454A95D 14,5 120 150 454A12C 454A12D 16,2 150 185 454A15C 454A15D 18 185 240 454A18C 454A18D 20,6 240 300 454A24C 454A24D 23,1 300 400 454A30C 454A30D 26,1	Flexible	Stranded	Part no.	Part no.	
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120 150 454A12C 454A12D 16,2 150 185 454A15C 454A15D 18 185 240 454A18C 454A18D 20,6 240 300 454A24C 454A24D 23,1 300 400 454A30C 454A30D 26,1	70	95	454A70C	454A70D	13,1
150 185 454A15C 454A15D 18 185 240 454A18C 454A18D 20,6 240 300 454A24C 454A24D 23,1 300 400 454A30C 454A30D 26,1	95	120	454A95C	454A95D	14,5
185 240 454A18C 454A18D 20,6 240 300 454A24C 454A24D 23,1 300 400 454A30C 454A30D 26,1	120	150	454A12C	454A12D	16,2
240 300 454A24C 454A24D 23,1 300 400 454A30C 454A30D 26,1	150	185	454A15C	454A15D	18
300 400 454A30C 454A30D 26,1	185	240	454A18C	454A18D	20,6
	240	300	454A24C	454A24D	23,1
400 500 454A40C 454A40D 29.2	300	400	454A30C	454A30D	26,1
	400	500	454A40C	454A40D	29,2

^{*} Wiring with crimping lugs, according to NF C20-130 standard (for VDE 0220 standard, please contact us) **Crimping:** Double hexagonal crimping is recommended.



454A027
* The inclined sleeve is recommended to reduce cable weight effect.

HANDLE Straight		
454A753	17-38 mm	M50
454A783	35-48 mm	M63