

Circular connectors – PLUSCON circular

Signal and power connectors

M23 power connectors, P30 series

P30 are M23 power connectors for transmission capacities of up to 250/630 V at 9/30 A.

Crimp contacts can be ordered separately depending on the desired connection cross-section. The 6-pos. (5+PE) versions are assembled with 2 mm Ø contacts. The 8-pos. (4+3+PE) versions are equipped with four 1 mm signal contacts and four 2 mm contacts.

Detailed assembly instructions can be found at: www.phoenixcontact.net/download



SF-ES1N8A8...

Socket assembly



SF-EP1N8A90..

Pin assembly

Description	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Power connector P30 , shielded, straight, short, cable Ø: 7.5 - 14 mm	6-pos. (5+PE)	SF-5ES1N8A80DU	1605532	20	SF-5EP1N8A90DU	1605499
	8-pos. (4+3+PE)	SF-7ES1N8A80DU	1605602	20	SF-7EP1N8A90DU	1605575
Signal contacts, punched-rolled (C-HC) , taped, 2500 pieces per roll, Ø 1 mm		SF-10KS320	1607031	1		
	Connection cross-section: 0.08 - 0.2 mm ² Connection cross-section: 0.2 - 0.56 mm ²	SF-10KS350	1607032	1		
Angled signal contacts , single processing, Ø 1 mm		SF-10KS004	1607356	100	SF-10KP004	1607355
	Connection cross-section: 0.14 - 0.5 mm ²	SF-6AS2000	1605557	100	SF-6AP2000	1605554
	Connection cross-section: 0.5 - 1 mm ²	SF-6FS2000	1605566	100	SF-6DP2000	1607406
	Connection cross-section: 0.5 - 1.5 mm ²	SF-10KS010	1605481	100		
	Wire spring contact, cross-section: 0.14 - 1 mm ²					
Contacts (C-HC) , punched-rolled, taped, 1000 pieces per roll, Ø 2 mm		SF-20KS350	1607034	1		
	Connection cross-section: 1.0 - 2.5 mm ²					
Angled contacts , single processing, Ø 2 mm		SF-7PS2000	1605636	100	SF-7PP2000	1605634
	Connection cross-section: 0.25 - 1 mm ²	SF-7NS2000	1605631	100		
	Connection cross-section: 0.75 - 1.5 mm ²	SF-7QS2000	1605643	100	SF-7QP2000	1605639
	Connection cross-section: 1.0 - 2.5 mm ²	SF-20KS010	1605491	100		
	Wire spring contact, cross-section: 0.75 - 2.5 mm ²					

Technical data

Electrical data in acc. with DIN EN 61984:2001

Rated voltage (III/3)

Rated current at 25°C

Signal contact

250 V

9 A

Power contact

630 V

30 A

Signal contact

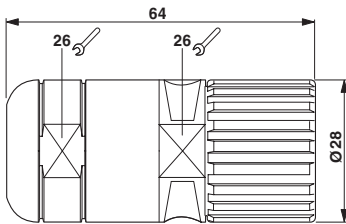
250 V

9 A

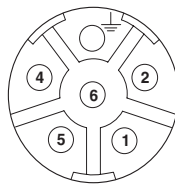
Power contact

630 V

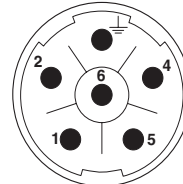
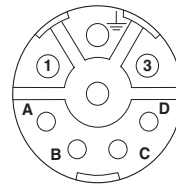
30 A



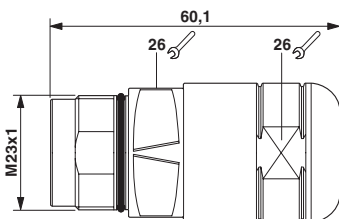
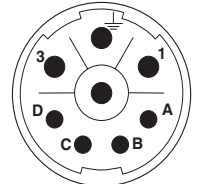
SF-...S1N8A80DU



Connector pin assignment 6 / 8-pos. socket assembly



Connector pin assignment 6 / 8-pos. pin assembly



SF-...P1N8A90DU

**M23 appliance plug connectors,
P30 series**

The range offers various application-specific housing designs:

- Straight housing, even in flat design for space-saving installation
- Angled housing, rotatable

Detailed assembly instructions can be found at:
www.phoenixcontact.net/download



SF-...N8AW...00



SF-...N8AAD00

Description	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Power appliance plug connector P30, low design, straight, external	6-pos. (5+PE)	SF-5EP1N8AWK00	1607043	20		
	8-pos. (4+3+PE)	SF-7EP1N8AWK00	1605591	20		
Power appliance plug connector P30, straight, external	6-pos. (5+PE)	SF-5EP1N8AWA00	1605520	20		
	8-pos. (4+3+PE)	SF-7EP1N8AWA00	1605589	20		
Power appliance plug connector P30, angled, rotatable, external	6-pos. (5+PE)				SF-5EP1N8AAD00	1605512
	8-pos. (4+3+PE)				SF-7EP1N8AAD00	1605586
Angled signal contacts, single processing, Ø 1 mm	Connection cross-section: 0.14 - 0.5 mm ²	SF-10KP004	1607355	100	SF-10KP004	1607355
	Connection cross-section: 0.5 - 1 mm ²	SF-6AP2000	1605554	100	SF-6AP2000	1605554
	Connection cross-section: 0.5 - 1.5 mm ²	SF-6DP2000	1607406	100	SF-6DP2000	1607406
Angled contacts, single processing, Ø 2 mm	Connection cross-section: 0.25 - 1 mm ²	SF-7PP2000	1605634	100	SF-7PP2000	1605634
	Connection cross-section: 1.0 - 2.5 mm ²	SF-7QP2000	1605639	100	SF-7QP2000	1605639

Technical data

Electrical data in acc. with DIN EN 61984:2001

Rated voltage (III/3)

Rated current at 25°C

Signal contact

250 V

9 A

Power contact

630 V

30 A

Signal contact

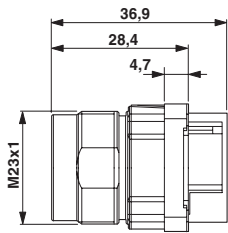
250 V

9 A

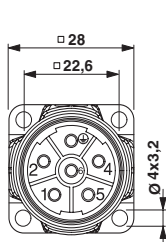
Power contact

630 V

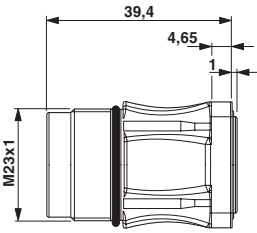
30 A



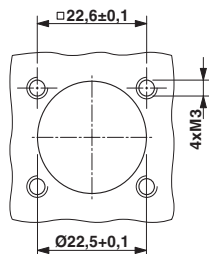
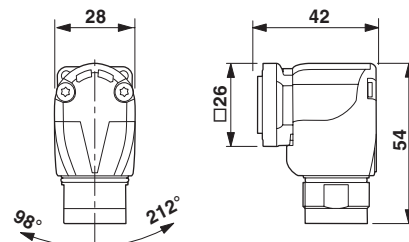
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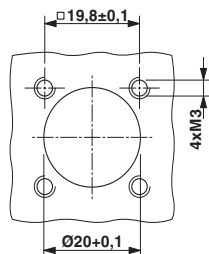
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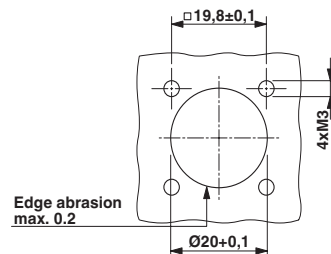
SF-...P1N8AAD00



Installation dimensions SF-...P1N8AWK00



Installation dimensions SF-...P1N8AWA00



Installation dimensions: SF-EP1N8AAD00