

PSF Series



One Fit, *ONE CLICK*



Member of the Phoenix Contact Group

Shielded Power Connectors M23 Series PSF

Technical Data and Contacts



Shell material

Machined components: Copper-Zinc alloy (CuZn)
 Die-cast components: Zinc (GD-Zn)
 Shell plating: Nickel (Ni) plated
 Cable entry: max. 17 mm

Insulator

Connector inserts: Polyamide (PA6.6)

Contacts

Contact material: Copper-Zinc alloy (CuZn)
 Contact plating: Nickel (Ni) with gold (Au) passivated
 Contact termination: crimp type

Sealing

Sealing rings: Fluor rubber FKM

Temperature

Temperature (long term) Celsius: - 40 °C up to + 125°C
 Temperature (long term) Fahrenheit: - 40 °F up to + 257 °F

Mating

Mating cycles: Standard min. 50
 Female coupling nuts: M23 screw locking, or *one click*
 Male receptacles: M23 screw locking, or *one click*

Protection

Protection class : IP 67 (mated) depends on which cable gland is used



Crimp Contacts

1 mm Ø AWG 28-24
 1 mm Ø AWG 22-20
 1 mm Ø AWG 24-18
 2 mm Ø AWG 24-18
 2 mm Ø AWG 18-14
 2 mm Ø AWG 14-12

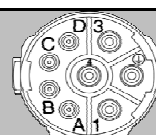
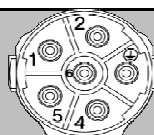


Pins

ST10KP010 1618255
 ST10KP020 1618256
 ST10KP035 1618458
 SF20KP011 1050147
 SF20KP012 1050205
 SF20KP013 1050210

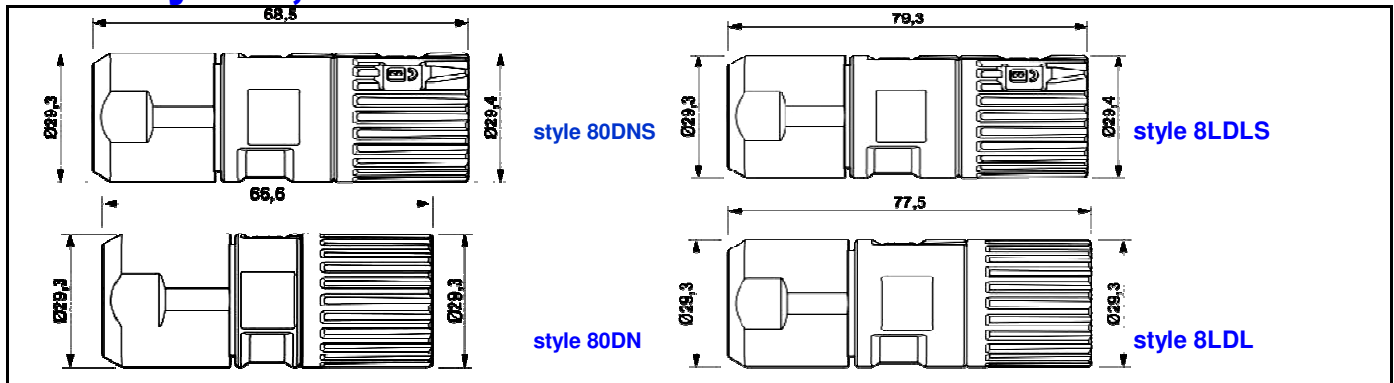
Sockets

ST10KS010 1618239
 ST10KS020 1618251
 ST10KS035 1618464
 SF20KS021 1621576
 SF20KS022 1621577
 SF20KS023 1621578



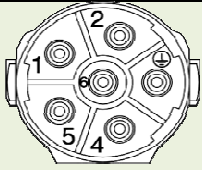
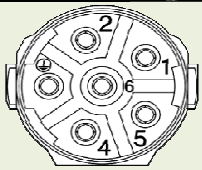
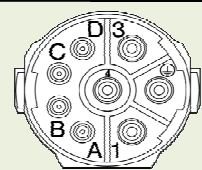
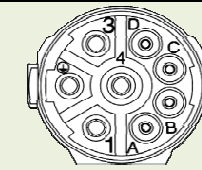




Number of positions		6		8			
Number of contacts		5 + PE		4+3+PE			
Contact dia. (mm Ø)		2		1 2 2			
Rated current at 25° (A)		30		9/30			
Rated voltage (V)		630		250/630			
Test voltage (V)		6,000		4,000/6,000			
Surge voltage category		III		III			
Installation altitude above sea level		2,000 m		2,000 m			
Wiring size AWG 1 mm Ø				28-18			
Wiring size AWG 2 mm Ø		24-12		24-12			

Shielded Power Connectors M23 / *one click* Series PSF
fits all SF/PSF Connectors with male thread
Shell style 80, 8L

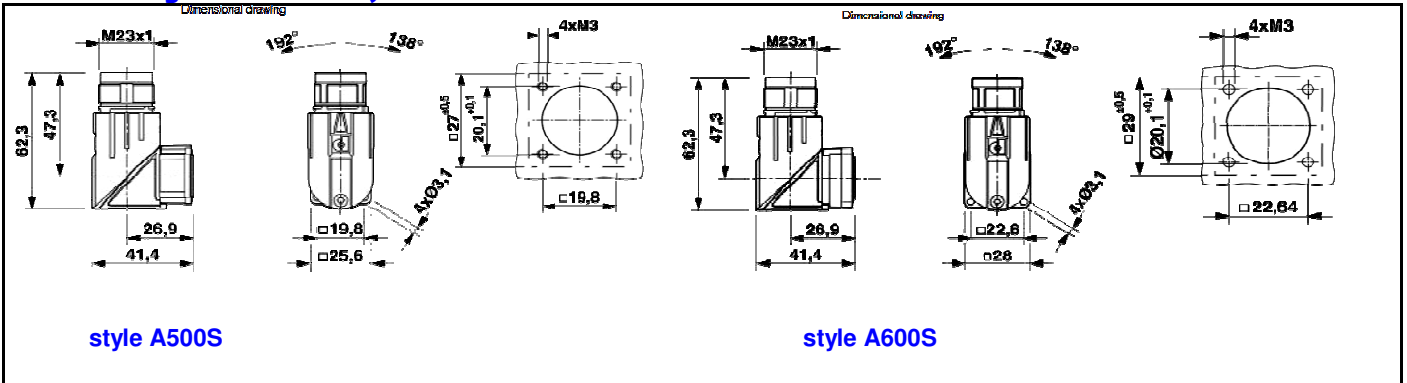


We also deliver as a connector set. Connectors with insert and the contacts are separately included. Please ask for P/N.



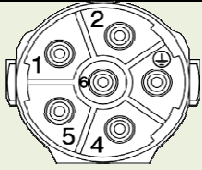
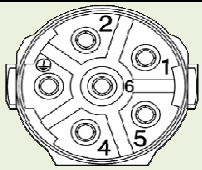
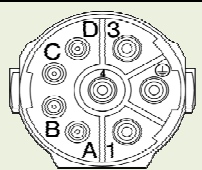
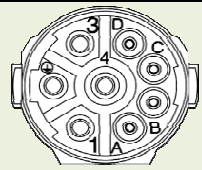


	 6 pos. male	 6 pos. female	 8 pos. male	 8 pos. female
	PSF- 5EP198A80DNS SAP 1628871 Clamp 5.5-15.0 mm short design one click Technology	PSF- 5ES198A80DNS SAP 1628815 Clamp 5.5-15.0 mm short design one click Technology	PSF- 7EP198A80DNS SAP 1628867 Clamp 5.5-15.0 mm short design one click Technology	PSF- 7ES198A80DNS SAP 1628811 Clamp 5.5-15.0 mm short design one click Technology
	PSF- 5EP198A8LDLS SAP 1628852 Clamp 7.5-17.0 mm long design one click Technology	PSF- 5ES198A8LDLS SAP 1628796 Clamp 7.5-17.0 mm long design one click Technology	PSF- 7EP198A8LDLS SAP 1628847 Clamp 7.5-17.0 mm long design one click Technology	PSF- 7ES198A8LDLS SAP 1628791 Clamp 7.5-17.0 mm long design one click Technology
	PSF- 5EP198A80DN SAP 1628879 Clamp 5.5-15.0 mm short design standard locking M23	PSF- 5ES198A80DN SAP 1628823 Clamp 5.5-15.0 mm short design standard locking M23	PSF- 7EP198A80DN SAP 1628875 Clamp 5.5-15.0 mm short design standard locking M23	PSF- 7ES198A80DN SAP 1628819 Clamp 5.5-15.0 mm short design standard locking M23
	PSF- 5EP198A8LDL SAP 1628862 Clamp 7.5-17.0 mm long design standard locking M23	PSF- 5ES198A8LDL SAP 1628806 Clamp 7.5-17.0 mm long design standard locking M23	PSF- 7EP198A8LDL SAP 1628857 Clamp 7.5-17.0 mm long design standard locking M23	PSF- 7ES198A8LDL SAP 1628801 Clamp 7.5-17.0 mm long design standard locking M23

Shielded Power Connectors M23 / *one click* Series PSF
fits all SF/PSF Connectors with female thread
Shell style A500S, A600S



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	6 pos. male	6 pos. female	8 pos. male	8 pos. female
	PSF- 5EP198AA500S SAP 1628487 flange dims. 26x26 mm mounting holes 4x3.2 mm angled, rotatable, front	PSF- 5ES198AA500S SAP 1628491 flange dims. 26x26 mm mounting holes 4x3.2 mm angled, rotatable, front	PSF- 7EP198AA500S SAP 1628486 flange dims. 26x26 mm mounting holes 4x3.2 mm angled, rotatable, front	PSF- 7ES198AA500S SAP 1628490 flange dims. 26x26 mm mounting holes 4x3.2 mm angled, rotatable, front
	PSF- 5EP198AA600S SAP 1628485 flange dims. 28x28 mm mounting holes 4x3.2 mm angled, rotatable, front	PSF- 5ES198AA600S SAP 1628489 flange dims. 28x28 mm mounting holes 4x3.2 mm angled, rotatable, front	PSF- 7EP198AA600S SAP 1628484 flange dims. 28x28 mm mounting holes 4x3.2 mm angled, rotatable, front	PSF- 7ES198AA600S SAP 1628488 flange dims. 28x28 mm mounting holes 4x3.2 mm angled, rotatable, front



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