

# 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

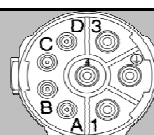
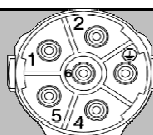


### Crimp Contacts

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

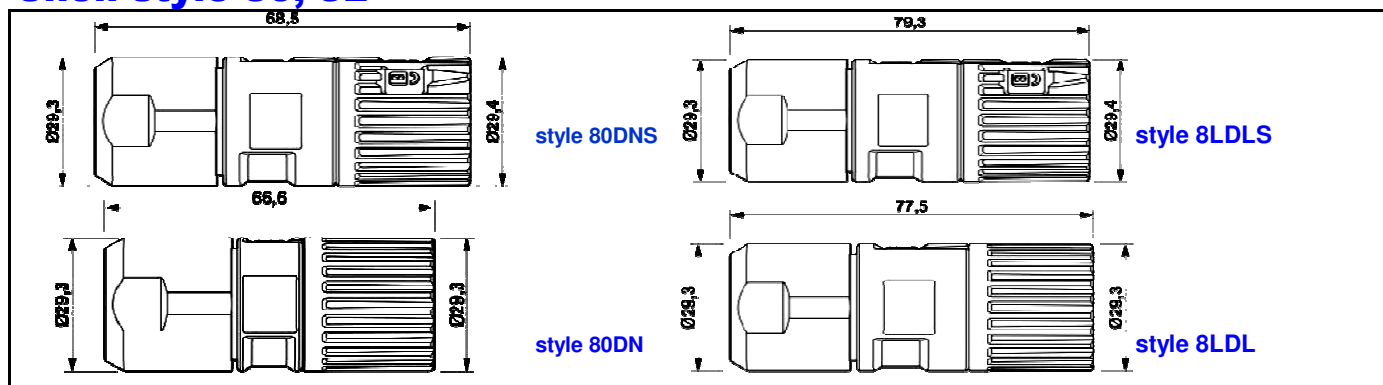


Pins	Sockets
ST10KP010 1618255	ST10KS010 1618239
ST10KP020 1618256	ST10KS020 1618251
ST10KP035 1618458	ST10KS035 1618464
SF20KP011 1050147	SF20KS021 1621576
SF20KP012 1050205	SF20KS022 1621577
SF20KP013 1050210	SF20KS023 1621578



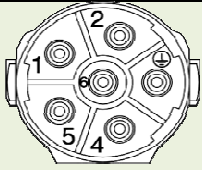
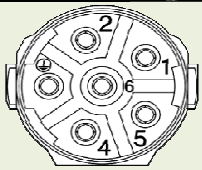
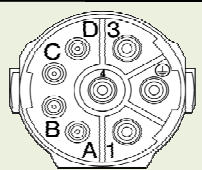
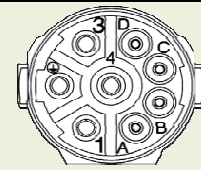




Number of positions	6	8
Number of contacts	5 + PE	4+3+PE
Contact dia. (mm Ø)	2	1 2 2
Rated current at 25° (A)	30	9/30
Rated voltage (V)	630	250/630
Test voltage (V)	6,000	4,000/6,000
Surge voltage category	III	III
Installation altitude above sea level	2,000 m	2,000 m
Wiring size AWG 1 mm Ø		28-18
Wiring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

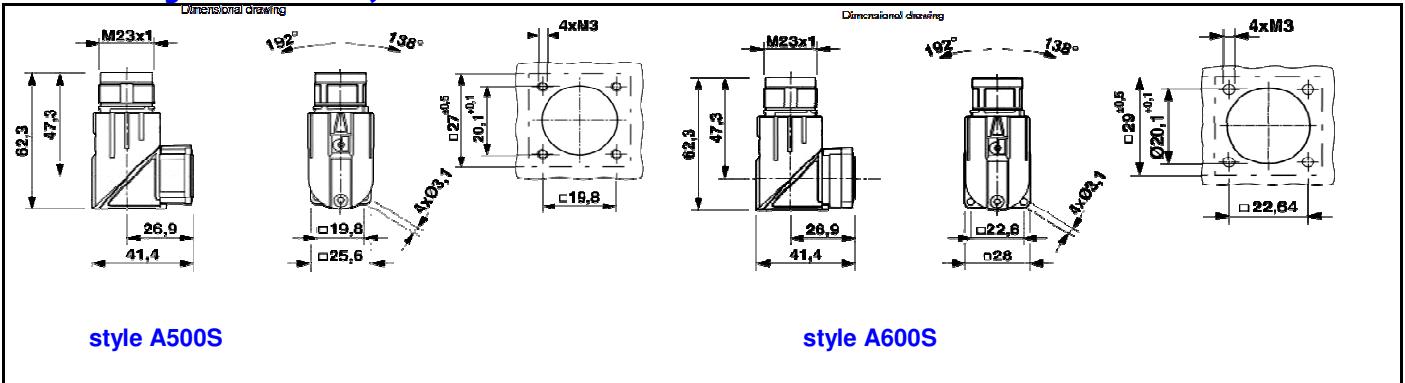


We also deliver as a connector set. Connectors with insert and the contacts are separately included. Please ask for P/N.



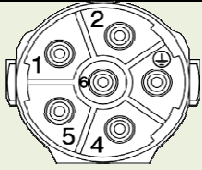
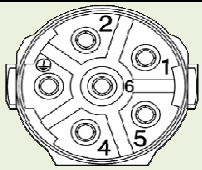
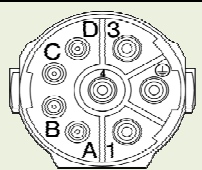
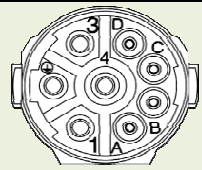


				
	6 pos. male	6 pos. female	8 pos. male	8 pos. female
	PSF- 5EP198A80DNS SAP 1628871 Clamp 5.5-15.0 mm short design <b>one click Technology</b>	PSF- 5ES198A80DNS SAP 1628815 Clamp 5.5-15.0 mm short design <b>one click Technology</b>	PSF- 7EP198A80DNS SAP 1628867 Clamp 5.5-15.0 mm short design <b>one click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

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



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- 5EP198AA500S SAP 1628487 flange dims. 26x26 mm mounting holes 4x3.2 mm <b>angled, rotatable, front</b>	PSF- 5ES198AA500S SAP 1628491 flange dims. 26x26 mm mounting holes 4x3.2 mm <b>angled, rotatable, front</b>	PSF- 7EP198AA500S SAP 1628486 flange dims. 26x26 mm mounting holes 4x3.2 mm <b>angled, rotatable, front</b>	PSF- 7ES198AA500S SAP 1628490 flange dims. 26x26 mm mounting holes 4x3.2 mm <b>angled, rotatable, front</b>
	PSF- 5EP198AA600S SAP 1628485 flange dims. 28x28 mm mounting holes 4x3.2 mm <b>angled, rotatable, front</b>	PSF- 5ES198AA600S SAP 1628489 flange dims. 28x28 mm mounting holes 4x3.2 mm <b>angled, rotatable, front</b>	PSF- 7EP198AA600S SAP 1628484 flange dims. 28x28 mm mounting holes 4x3.2 mm <b>angled, rotatable, front</b>	PSF- 7ES198AA600S SAP 1628488 flange dims. 28x28 mm mounting holes 4x3.2 mm <b>angled, rotatable, front</b>



**RDE Connectors & Cables. Inc.**

**5277 NW 108 Avenue  
Sunrise, FL 33351**

**Phone 954-746-6400**

[www.rde-usa.com](http://www.rde-usa.com)