

PCA Series



One Fit, *ONE CLICK*



Member of the Phoenix Contact Group

Shielded Power/Signal Connectors M23 / *one click* Series PCA



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. 15 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

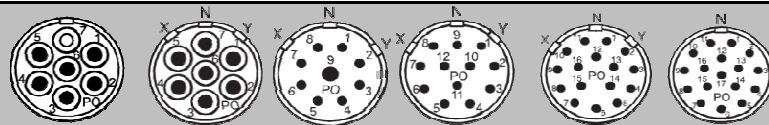


Crimp Contacts

1 mm Ø AWG 28-22
 1 mm Ø AWG 26-20
 1 mm Ø AWG 20-18
 2 mm Ø AWG 18-16
 2 mm Ø AWG 16-14

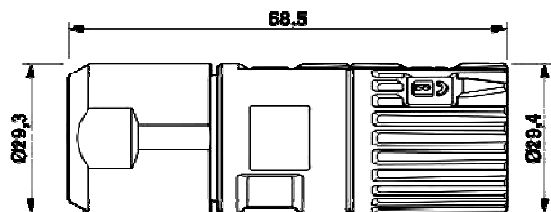


	Pins		Sockets	
	RC11P2000	1596770	RC11S2000	1596772
	RC12P2000	1597862	RC12S2000	1599600
	RC1KP2000	1602996	RC1KS2000	1602998
	RC5CP2000	1603513	RC5CS2000	1603517
	RC5AP2000	1603505	RC5AS2000	1603509

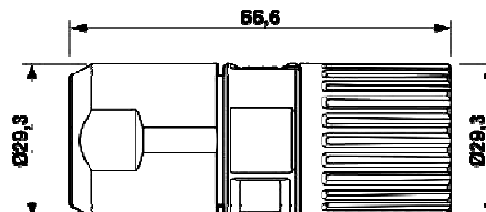


Number of positions	6	7	9	12	16	17	
Number of contacts	6	7	9	12	16	17	
Contact dia. (mm Ø)	2	2	1 + 2	1	1	1	
Rated current at 25° (A)	20	20	8/20	8	8	8	
Rated voltage (V)	250	250	150	150	125	125	
Test voltage (V)	2,500	2,500	1,500	1,500	1,500	1,500	
Surge voltage category	II	II	II	II	II	II	
Installation altitude above sea level	2,000 m	2,000 m	2,000 m	2,000 m	2,000 m	2,000 m	
Wiring size AWG 1 mm Ø			28-18	28-18	28-18	28-18	
Wiring size AWG 2 mm Ø	18-14	18-14	18-14				

Shielded Power/Signal Connectors M23 / one click Series PCA
fits all RC, UC, CA, PCA Connectors with male thread
Shell style 80DUS, 80DU



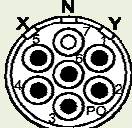
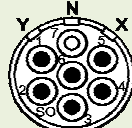
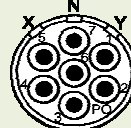
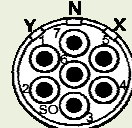



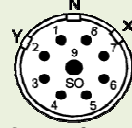

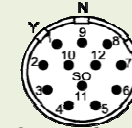


style 80DUS



style 80DU

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

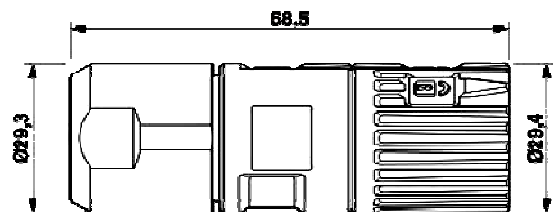


	 6 pos. male	 6 pos. female	 7 pos. male	 7 pos. female
	PCA-06P1N8A80DUS SAP 1629188 Clamp 3.0-15.0 mm one click Technology	PCA-06S1N8A80DUS SAP 1629184 Clamp 3.0-15.0 mm one click Technology	PCA-07P1N8A80DUS SAP 1629176 Clamp 3.0-15.0 mm one click Technology	PCA-07S1N8A80DUS SAP 1629180 Clamp 3.0-15.0 mm one click Technology
	PCA-06P1N8A80DU SAP 1629232 Clamp 3.0-15.0 mm standard locking M23	PCA-06S1N8A80DU SAP 1629236 Clamp 3.0-15.0 mm standard locking M23	PCA-07P1N8A80DU SAP 1629224 Clamp 3.0-15.0 mm standard locking M23	PCA-07S1N8A80DU SAP 1629228 Clamp 3.0-15.0 mm standard locking M23
	 9 pos. male	 9 pos. female	 12 pos. male	 12 pos. female
	PCA-09P1N8A80DUS SAP 1629168 Clamp 3.0-15.0 mm one click Technology	PCA-09S1N8A80DUS SAP 1629172 Clamp 3.0-15.0 mm one click Technology	PCA-12P1N8A80DUS SAP 1629160 Clamp 3.0-15.0 mm one click Technology	PCA-12S1N8A80DUS SAP 1629164 Clamp 3.0-15.0 mm one click Technology
	PCA-09P1N8A80DU SAP 1629216 Clamp 3.0-15.0 mm standard locking M23	PCA-09S1N8A80DU SAP 1629220 Clamp 3.0-15.0 mm standard locking M23	PCA-12P1N8A80DU SAP 1629208 Clamp 3.0-15.0 mm standard locking M23	PCA-12S1N8A80DU SAP 1629212 Clamp 3.0-15.0 mm standard locking M23

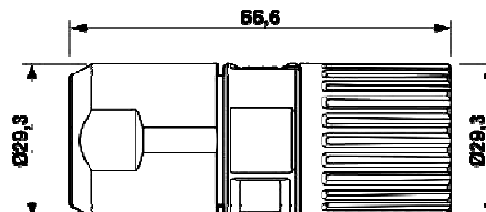
Shielded Signal Connectors M23 / *one click* Series PCA

fits all RC, UC, CA, PCA Connectors with male thread

Shell style 80DUS, 80DU



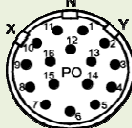
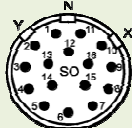
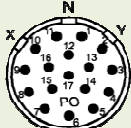
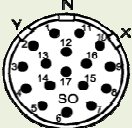


style 80DUS



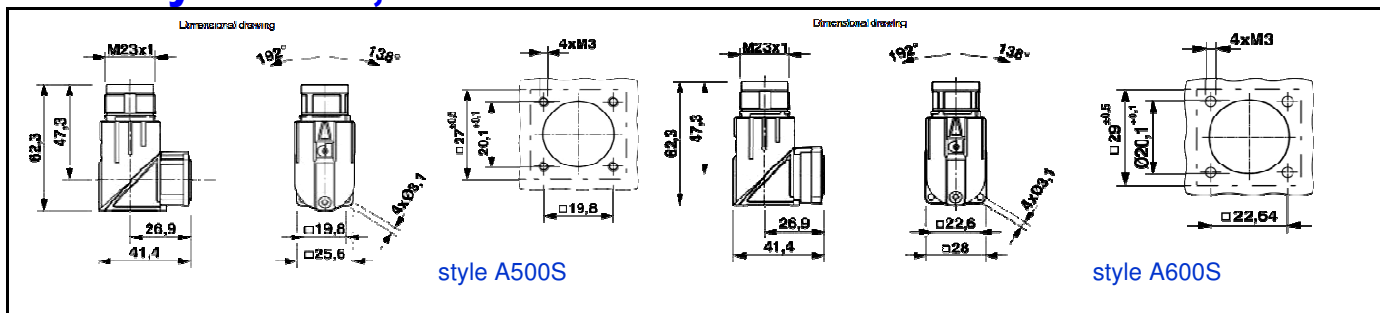
style 80DU

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

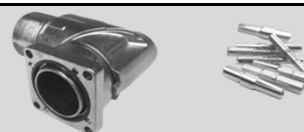


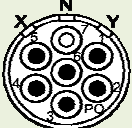
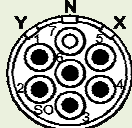
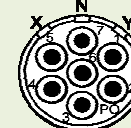
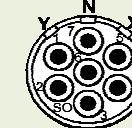



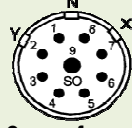
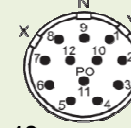
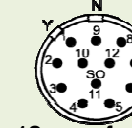


	 16 pos. male	 16 pos. female	 17 pos. male	 17 pos. female
	PCA- 16P1N8A80DUS Clamp 3.0-15.0 mm <i>one click Technology</i>	PCA-16S1N8A80DUS Clamp 3.0-15.0 mm <i>one click Technology</i>	PCA-17P1N8A80DUS SAP 1629152 Clamp 3.0-15.0 mm <i>one click Technology</i>	PCA-17S1N8A80DUS SAP 1629156 Clamp 3.0-15.0 mm <i>one click Technology</i>
	PCA-16P1N8A80DU Clamp 3.0-15.0 mm <i>standard locking M23</i>	PCA-16S1N8A80DU Clamp 3.0-15.0 mm <i>standard locking M23</i>	PCA-17P1N8A80DU SAP 1629200 Clamp 3.0-15.0 mm <i>standard locking M23</i>	PCA-17SN8A80DU SAP 1629204 Clamp 3.0-15.0 mm <i>standard locking M23</i>

Shielded Power/Signal Connectors M23 / one click Series PCA
fits all RC, UC, CA, PCA Connectors with female nuts
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.

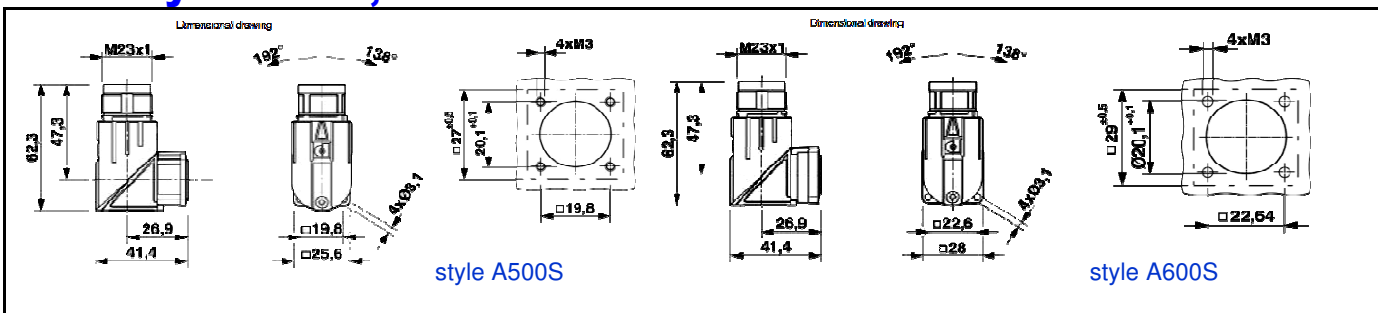


angled connectors rotatable front mounting mounting holes 4x3.2mm	 6 pos. male	 6 pos. female	 7 pos. male	 7 pos. female
	PCA-06P1N8AA500S flange 26x26 mm one click / M23	PCA-06S1N8AA500S flange 26x26 mm one click / M23	PCA-07P1N8AA500S flange 26x26 mm one click / M23	PCA-07S1N8AA500S flange 26x26 mm one click / M23
	PCA-06P1N8AA600S flange 28x28 mm one click / M23	PCA-06S1N8AA600S flange 28x28 mm one click / M23	PCA-07P1N8AA600S flange 28x28 mm one click / M23	PCA-07S1N8AA600S flange 28x28 mm one click / M23
	 9 pos. male	 9 pos. female	 12 pos. male	 12 pos. female
	PCA-09P1N8AA500S flange 26x26 mm one click / M23	PCA-09S1N8AA500S flange 26x26 mm one click / M23	PCA-12P1N8AA500S SAP 1628498 flange 26x26 mm one click / M23	PCA-12S1N8AA500S SAP 1628499 flange 26x26 mm one click / M23
	PCA-09P1N8AA600S flange 28x28 mm one click / M23	PCA-09S1N8AA600S flange 28x28 mm one click / M23	PCA-12P1N8AA600S SAP 1628494 flange 28x28 mm one click / M23	PCA-12S1N8AA600S SAP 1628495 flange 28x28 mm one click / M23

Shielded Signal Connectors M23 / *one click* Series PCA

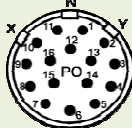
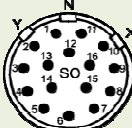
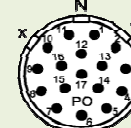
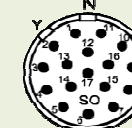


fits all RC, UC, CA, PCA Connectors with female nuts

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.



angled connectors rotatable front mounting mounting holes 4x3.2mm	 16 pos. male	 16 pos. female	 17 pos. male	 17 pos. female
	PCA-16P1N8AA500S flange 26x26 mm one click / M23	PCA-16S1N8AA500S flange 26x26 mm one click / M23	PCA-17P1N8AA500S SAP 1628496 flange 26x26 mm one click / M23	PCA-17S1N8AA500S SAP 1628497 flange 26x26 mm one click / M23
	PCA-16P1N8AA600S flange 28x28 mm one click / M23	PCA-16S1N8AA600S flange 28x28 mm one click / M23	PCA-17P1N8AA600S SAP 1628492 flange 28x28 mm one click / M23	PCA-17S1N8AA600S SAP 1628493 flange 28x28 mm one click / M23



RDE Connectors & Cables. Inc.

5277 NW 108 Avenue
Sunrise. FL 33351

Phone 954-746-6400

www.rde-usa.com

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

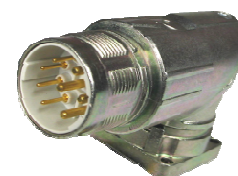
Temperature (long term) Celsius: - 40 °C up to + 125°C
 Temperature (long term) Fahrenheit: - 40 °F up to + 257 °F

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

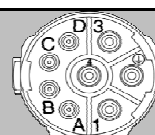
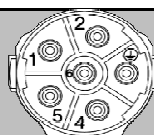


Crimp Contacts

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

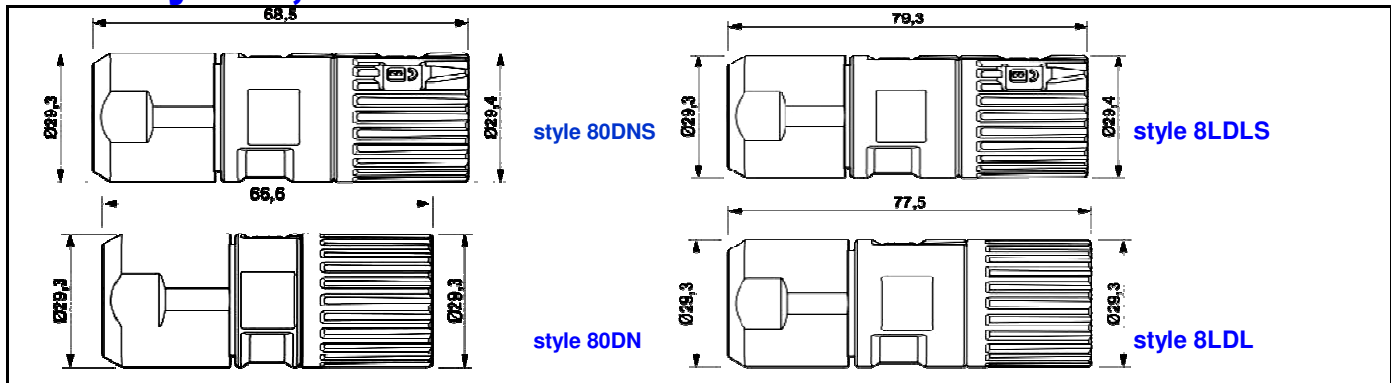


Pins	Sockets
ST10KP010 1618255	ST10KS010 1618239
ST10KP020 1618256	ST10KS020 1618251
ST10KP035 1618458	ST10KS035 1618464
SF20KP011 1050147	SF20KS021 1621576
SF20KP012 1050205	SF20KS022 1621577
SF20KP013 1050210	SF20KS023 1621578



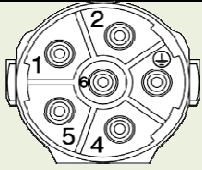
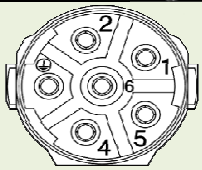
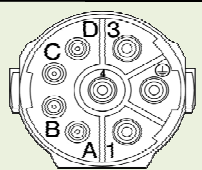
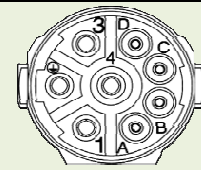




Number of positions	6	8
Number of contacts	5 + PE	4+3+PE
Contact dia. (mm Ø)	2	1 2 2
Rated current at 25° (A)	30	9/30
Rated voltage (V)	630	250/630
Test voltage (V)	6,000	4,000/6,000
Surge voltage category	III	III
Installation altitude above sea level	2,000 m	2,000 m
Wiring size AWG 1 mm Ø		28-18
Wiring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

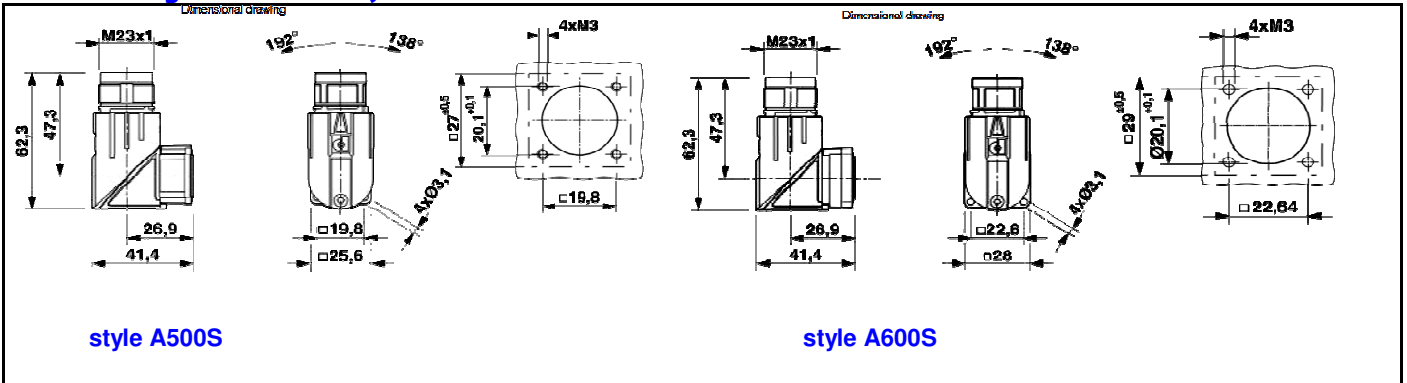


We also deliver as a connector set. Connectors with insert and the contacts are separately included. Please ask for P/N.



	 6 pos. male	 6 pos. female	 8 pos. male	 8 pos. female
	PSF- 5EP198A80DNS SAP 1628871 Clamp 5.5-15.0 mm short design 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

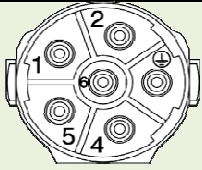
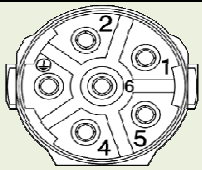
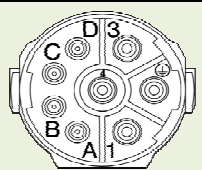
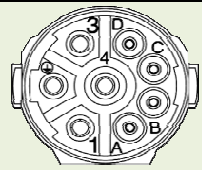




style A500S

style 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 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



RDE Connectors & Cables. Inc.

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

Phone 954-746-6400

www.rde-usa.com