

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

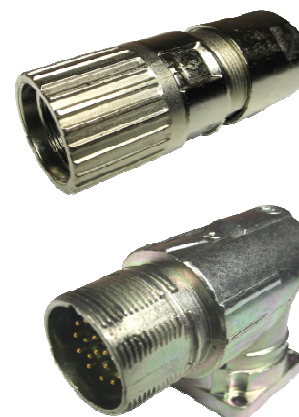
Temperature (long term) Celsius: - 40 °C up to + 125°C
 Temperature (long term) Fahrenheit: - 40 °F up to + 257 °F

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

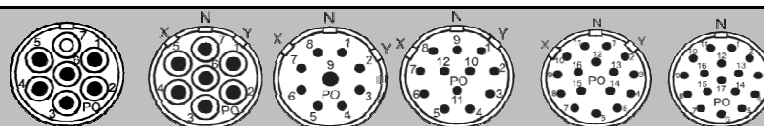


Crimp Contacts

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

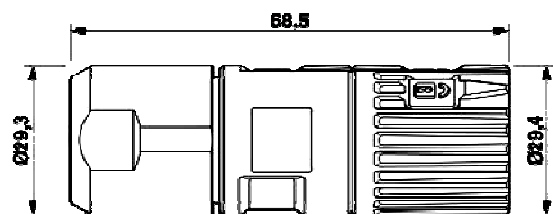


Pins	Sockets
RC11P2000 1596770	RC11S2000 1596772
RC12P2000 1597862	RC12S2000 1599600
RC1KP2000 1602996	RC1KS2000 1602998
RC5CP2000 1603513	RC5CS2000 1603517
RC5AP2000 1603505	RC5AS2000 1603509

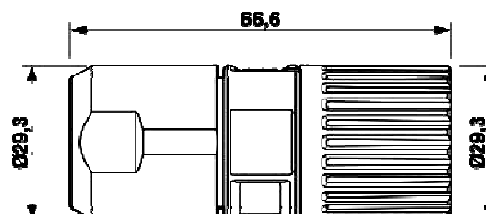


Number of positions	6	7	9	12	16	17	
Number of contacts	6	7	9	12	16	17	
Contact dia. (mm Ø)	2	2	1 + 2	1	1	1	
Rated current at 25° (A)	20	20	8/20	8	8	8	
Rated voltage (V)	250	250	150	150	125	125	
Test voltage (V)	2,500	2,500	1,500	1,500	1,500	1,500	
Surge voltage category	II	II	II	II	II	II	
Installation 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



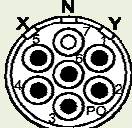
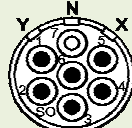

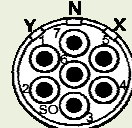



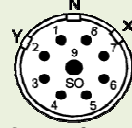
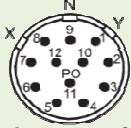
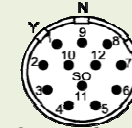


style 80DUS



style 80DU

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

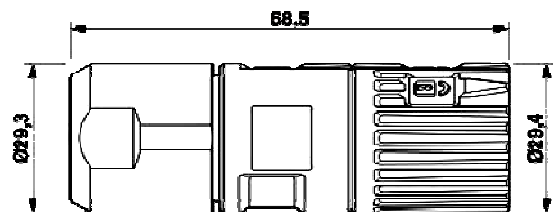


	 6 pos. male	 6 pos. female	 7 pos. male	 7 pos. female
	PCA-06P1N8A80DUS SAP 1629188 Clamp 3.0-15.0 mm one click Technology	PCA-06S1N8A80DUS SAP 1629184 Clamp 3.0-15.0 mm one click Technology	PCA-07P1N8A80DUS SAP 1629176 Clamp 3.0-15.0 mm one click Technology	PCA-07S1N8A80DUS SAP 1629180 Clamp 3.0-15.0 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

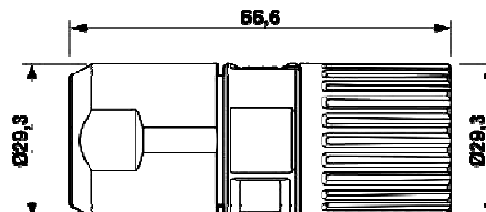
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Shell style 80DUS, 80DU



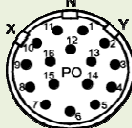
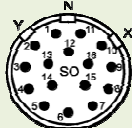
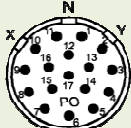
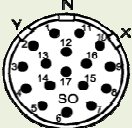


style 80DUS



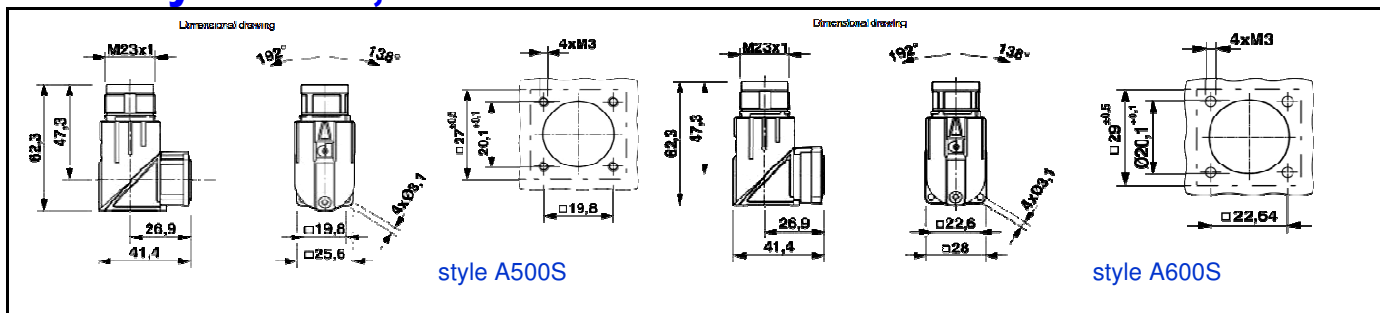
style 80DU

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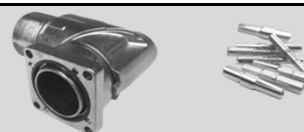


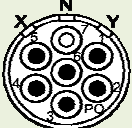
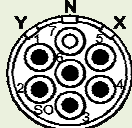
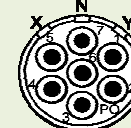
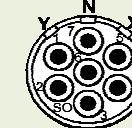



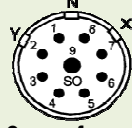
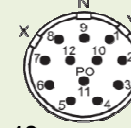
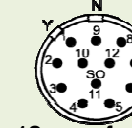


	 16 pos. male	 16 pos. female	 17 pos. male	 17 pos. female
	PCA- 16P1N8A80DUS Clamp 3.0-15.0 mm <i>one click Technology</i>	PCA-16S1N8A80DUS Clamp 3.0-15.0 mm <i>one click Technology</i>	PCA-17P1N8A80DUS SAP 1629152 Clamp 3.0-15.0 mm <i>one click Technology</i>	PCA-17S1N8A80DUS SAP 1629156 Clamp 3.0-15.0 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>

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fits all RC, UC, CA, PCA Connectors with female nuts
Shell style A500S, A600S



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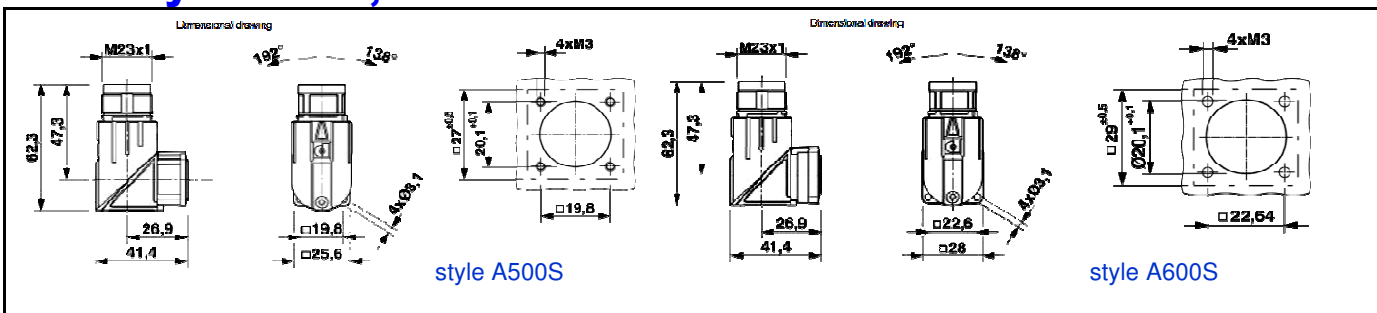


angled connectors rotatable front mounting mounting holes 4x3.2mm	 6 pos. male	 6 pos. female	 7 pos. male	 7 pos. female
	PCA-06P1N8AA500S flange 26x26 mm one click / M23	PCA-06S1N8AA500S flange 26x26 mm one click / M23	PCA-07P1N8AA500S flange 26x26 mm one click / M23	PCA-07S1N8AA500S flange 26x26 mm 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

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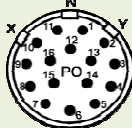
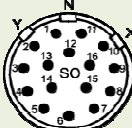
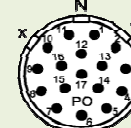
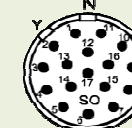


fits all RC, UC, CA, PCA Connectors with female nuts

Shell style A500S, A600S



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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



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