

PC4

Screw ring • Size S4 – 1.1kV

Applications:

- Ports
- Steel mills
- Mining and tunnelling
- Energy
- Railways



The Cavotec PC4-S4 is fitted with a screw ring connection that ensures safe and easy connection in applications where space is limited.

Product features

- Maximum voltage 1,1kV (400V in pilot circuit), currents up to 250A
- 4 or 5 pole insulator assembly as standard (See Multipin connectors data sheet for more pole)
- IP66 (when mated or capped – if not, protection with covers secured with a retention wire)
- Standard ambient temperature: -40°C to +80°C or -40°F to +176°F
- Standard finishes: marine grade aluminium ISO 3522 - Hardware in stainless steel
- Screw ring material: Bronze ISO 1338:1977
- Female contact, male pin and cable terminal material: silver plated brass
- Easy wiring with male and female insulators fully interchangeable made in PPO (Polyphenylene Oxide)
- Interchangeable pins without dismantling the connector
- All cable terminals suits for cables of class 5, IEC 60228
- Standard cable terminals for crimping with hexagonal crimping tool
- Cable glands: Cavotec "onion ring" gasket and strain relief covering cable outer diameters from Ø 25-55 mm

Optional features

- High temperature version for +80°C - +250°C or +176°F - +482°F
- Insulator material: machined PTFE (Teflon)
- External fiber optic plug and socket
- Plug available in straight or bent version
- Plug cover: PCX-01604-006
- Short straight bell for plug and connector on request
- Wide variety of other insulator configurations available in machined POM (Polyoxymethylene)
- Cable terminals: screw type with 2 set of screws and cable sleeves
- Finishes: neutral and hard anodizing; blue and red anodizing (colour shades may vary due to anodization process); clear coating or solid colour painting (RAL: Green 6001, Orange 2011, Yellow 1018, Black 9005, Blue 5005, Red 3001, Gray 9002)
- Housings available in bronze
- Additional pilot pins



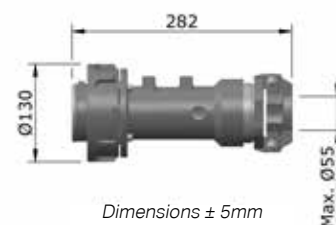
Special tools

Spanner tool for screw ring PCX-92120-130

Male pin Dia. 8, 10mm	Female contact Dia. 8, 10mm	Key width	Socket wrench (Part numb.)
PCX-11008-XXXX	PCX-12008-XXXX	12/13	PCX-92102-012
PCX-11010-XXXX	PCX-12010-XXXX	14/15	PCX-92102-0141

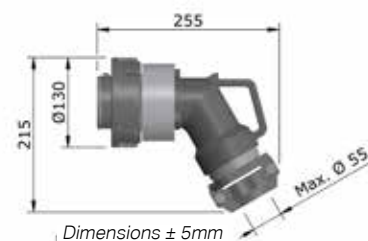
Plug/inverted plug, straight Screw Ring

No Pins (P&E+pil)	Pin ø (mm) Max. Amp	Weight kg	Cross Section mm ² / Rec. Amp	Plug: Male Pins Product Code	Inv.plugin: Female Contacts Product Code
4+2	10mm / 250A	2,4	35mm ² / 160A**	PC4-SS04-0350	PC4-TS04-0350
			50mm ² / 200A	PC4-SS04-0500	PC4-TS04-0500
			70mm ² / 250A	PC4-SS04-0700	PC4-TS04-0700
5+2	8mm / 200A	2,4	25mm ² / 125A**	PC4-SS05-0250	PC4-TS05-0250
			35mm ² / 160A	PC4-SS05-0350	PC4-TS05-0350
			50mm ² / 200A	PC4-SS05-0500	PC4-TS05-0500
			70mm ² / 200A	PC4-SS05-0700*	PC4-TS05-0700*



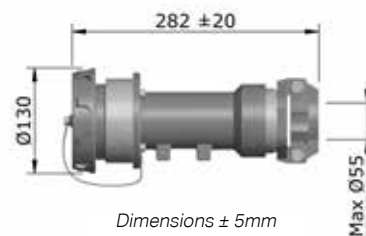
Plug/inverted plug, bent Screw Ring

No Pins (P&E+pil)	Pin ø (mm) Max. Amp	Weight kg	Cross Section mm ² / Rec. Amp	Plug: Male Pins Product Code	Inv.plugin: Female Contacts Product Code
4+2	10mm / 250A	2,5	35mm ² / 160A**	PC4-SS04-0350B	PC4-TS04-0350B
			50mm ² / 200A	PC4-SS04-0500B	PC4-TS04-0500B
			70mm ² / 250A	PC4-SS04-0700B	PC4-TS04-0700B
5+2	8mm / 200A	2,5	25mm ² / 125A**	PC4-SS05-0250B	PC4-TS05-0250B
			35mm ² / 160A	PC4-SS05-0350B	PC4-TS05-0350B
			50mm ² / 200A	PC4-SS05-0500B	PC4-TS05-0500B
			70mm ² / 200A	PC4-SS05-0700B*	PC4-TS05-0700B*



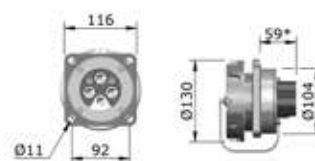
Connector/inverted connector, straight Screw Ring

No Pins (P&E+pil)	Pin ø (mm) Max. Amp	Weight kg	Cross Section mm ² / Rec. Amp	Connector: Female Contacts Product Code	Inv.connector: Male Pins Product Code
4+2	10mm / 250A	2,7	35mm ² / 160A**	PC4-RS04-0350	PC4-PS04-0350
			50mm ² / 200A	PC4-RS04-0500	PC4-PS04-0500
			70mm ² / 250A	PC4-RS04-0700	PC4-PS04-0700
5+2	8mm / 200A	2,7	25mm ² / 125A**	PC4-RS05-0250	PC4-PS05-0250
			35mm ² / 160A	PC4-RS05-0350	PC4-PS05-0350
			50mm ² / 200A	PC4-RS05-0500	PC4-PS05-0500
			70mm ² / 200A	PC4-RS05-0700*	PC4-PS05-0700*



Socket/inverted socket, Screw Ring

No Pins (P&E+pil)	Pin ø (mm) Max. Amp	Weight kg	Cross Section mm ² / Rec. Amp	Socket: Female Contacts Product Code	Inv.socket: Male Pins Product Code
4+2	10mm / 250A	1,7	35mm ² / 160A**	PC4-VS04-0350	PC4-WS04-0350
			50mm ² / 200A	PC4-VS04-0500	PC4-WS04-0500
			70mm ² / 250A	PC4-VS04-0700	PC4-WS04-0700
5+2	8mm / 200A	1,7	25mm ² / 125A**	PC4-VS05-0250	PC4-WS05-0250
			35mm ² / 160A	PC4-VS05-0350	PC4-WS05-0350
			50mm ² / 200A	PC4-VS05-0500	PC4-WS05-0500
			70mm ² / 200A	PC4-VS05-0700*	PC4-WS05-0700*



* Screw type cable terminal not available

** For smaller sizes, please contact your local Cavotec sales office