

PCB Connectors

FLASH

June 2015

PRC series circular connectors

IP-protected circular connectors for power electronics

The new three- and five-position power connectors in the PRC series enable you to reliably and conveniently connect AC cables to your equipment. The device connectors with crimp connection are supplied pre-assembled with stranded wire leads. Alternatively, they can be terminated with available tooling.

Features and benefits

- Easy conductor connection using universal screw connection technology
- Suitable for stranded and solid cables
- Snaps in automatically when inserted
- Can only be separated using tools-screwdriver

Tech specs

- Currents up to 35 A (3-pos.) and up to 30 A (5-pos.)
- Voltages up to 600 V
- 14-10 AWG
- Cable diameter: 8-21 mm
- UV-resistant
- IP67
- UL 2238 Certified



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Description	Connectors with screw connection		Device connector with 150 mm cable		Device connector without contacts		Crimp contacts
	3-pos.	5-pos.	3-pos.	5-pos.	3-pos.	5-pos.	
Number of positions	3-pos.	5-pos.	3-pos.	5-pos.	3-pos.	5-pos.	-
Order No.	1410661	1410656	-	-	-	-	-
Order No., 2.5 to 6 mm²	-	-	-	-	1409218	1409206	-
Order No., 2.5 mm²	-	-	1409219	1409211	-	-	1409207
Order No., 4 mm²	-	-	1409220	1409212	-	-	1409208
Order No., 6 mm²	-	-	1409221	1409213	-	-	1409209

Description
Cable connector , with screw connection for cable diameter: 8 mm ... 12 mm 12 mm ... 16 mm 16 mm ... 25 mm

Ordering data		
Type	Order No.	Pcs. / Pkt.
PRC 3-FC-FS6 8-12	1410658	1
PRC 3-FC-FS6 12-16	1409217	1
PRC 3-FC-FS6 16-21	1410659	1

Ordering data		
Type	Order No.	Pcs. / Pkt.
PRC 5-FC-FS6 8-12	1410629	1
PRC 5-FC-FS6 12-16	1409205	1
PRC 5-FC-FS6 16-21	1410655	1

Protective cap
Test plug , black, 1.5 mm ² ... 6 mm ² with screw connection, for cables with diameter 8 mm ... 21 mm

Accessories		
Type	Order No.	Pcs. / Pkt.
PRC COVER F	1409236	50
PRC 3-TC-FS6 8-21	1621326	50

Accessories		
Type	Order No.	Pcs. / Pkt.
PRC COVER F	1409236	50
PRC 5-TC-FS6 8-21	1621325	50

Description
Protective cap
Replacement locking nut
Crimp contacts CK 2.5 , silver-plated contact surface for conductor cross section: 2.5 mm ² 4 mm ² 6 mm ²

Ordering data			
Order No.	Pcs. / Pkt.	Order No.	Pcs. / Pkt.

Accessories		
Type	Order No.	Pcs. / Pkt.
PRC COVER M	1409237	50
FT NUT M25 BK	1457937	100

Ordering data			
Order No.	Pcs. / Pkt.	Order No.	Pcs. / Pkt.

Accessories		
Type	Order No.	Pcs. / Pkt.
PRC COVER M	1409237	50
FT NUT M25 BK	1457937	100
CK2.5-M-2.5 AG	1409207	100
CK2.5-M-4 AG	1409208	100
CK2.5-M-6 AG	1409209	100