

The PRCD-S (Portable Residual Current Protective Device - Safety) offers electronic residual current analysis and is run as a portable intermediate device between lines that is capable of switching between poles. It is designed for alternating currents, pulsating direct currents, and phase-controlled nominal fault currents of 10 and 30 mA, with undervoltage release, protective earthing identification and monitoring, as well as external voltage recognition.



*PRCD = Portable Residual Current Protective Device is a new general term used even in German-speaking regions.

ADVICE : "I-ON" button have to be operated with one's bare hands (without gloves, etc.)

Models:

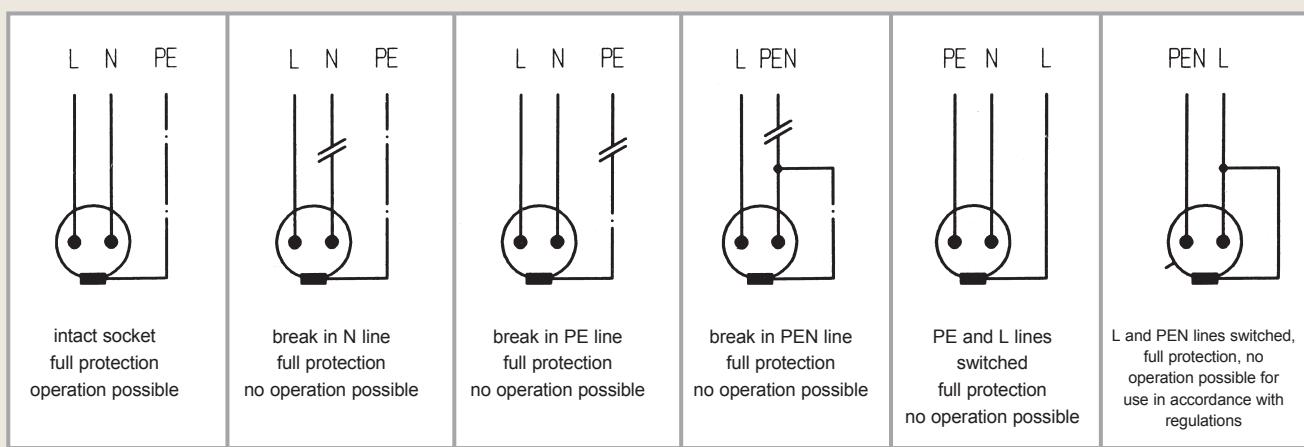
Input Plug with Cable		PRCD-S 30 mA	Output Cable with Connector		Order Number
none	—		—	none	PRCD-S30
solid rubber earthing sockets	1.5 m		1.5 m	solid rubber earthing sockets	PR03/S1.5K
CEE 230 V 16 A 3p.	1.5 m		1.5 m	CEE 230 V 16 A 3p.	PR03/CS1.5CK

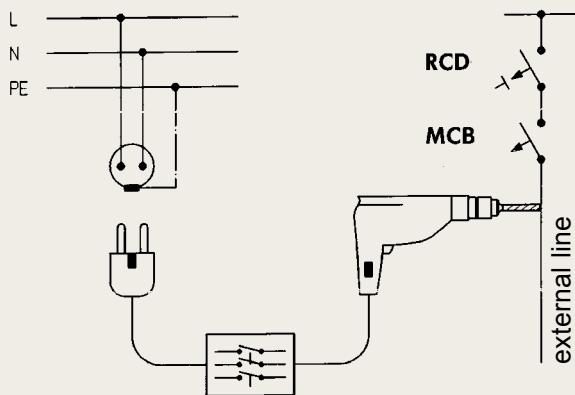
— INDUSTRIEFLEX®07 cables —

— other cable lengths and further models on request / subject to modification and errors —

Extent of protection provided by the PRCD-S:

1. For errors in the connected electrical device, protection is provided in accordance with DIN VDE 0661. Residual currents caused by defective contact lead the PRCD-S to carry out all-pole disconnection.
2. Equipment failure in the case permanent installations: the PRCD-S detects all possible errors in permanent installations and then refuses to be switched on.





- drilling into external lines
- full protection through safety measures in the external line
- PRCD-S detects the external voltage on the protective earthing yet without interrupting the protective earthing connection, thus allowing the external voltage to be activated through its own upstream RCD and MCB safety devices

Use and Function

Especially for construction and installation sites, fire departments and emergency services.

- encapsulated models for rough operating conditions
- suitable for direct connection with the feed cable of the electrical device (H07 RN-F 3G 2.5 mm²)
- can be implemented independently of whichever plug system is being used
- large, easy-to-use ON and OFF buttons
- additional optical switch position display
- undervoltage release
- extremely short trigger time
- splashproof according to IP 55

- long service life even when subjected to excessive strain
- unit cannot be operated without personal protection if safety precautions are compulsory
- plug types can be changed without needing to make a new purchase COST SAVINGS
- simple and safe operation
- operational status is easy to discern
- prevention of uncontrolled restarting of machines after power returns
- the user's protection level is heightened
- designed for use in damp areas

Technical Data:

Rated voltage:	Nominal Current:	Protection Class:	Conductor Cross-Section:
230 V/50 Hz	16 A	max. IP 55	1 mm ² to 2.5 mm ²

Nominal Fault Current:	Ambient Temperature:	Norms and Standards:
10 or 30 mA	-25° to 40° C with a daily mean value that does not exceed 35° C	<ul style="list-style-type: none"> - DIN VDE 0661 - DIN 40040 or DIN EN 60721

The PRCD-S (Portable Residual Current Protective Device - Safety) offers electronic residual current analysis and is run as a portable protective system device between lines that is capable of switching between poles. It is designed for alternating currents, pulsating direct currents, and phase-controlled nominal fault currents of 10 and 30 mA, with undervoltage release, protective earthing identification and monitoring, as well as external voltage recognition.

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Models:

Input Plug – water-pressure-tight – with Cable		PRCD-S 30 mA	Output Cable with Connector – water-pressure-tight –		Order Number
none	—		—	none	PD 03
earthing contact sockets	1.5 m		3.0 m	earthing contact sockets	PD 03/S 1,5 K3

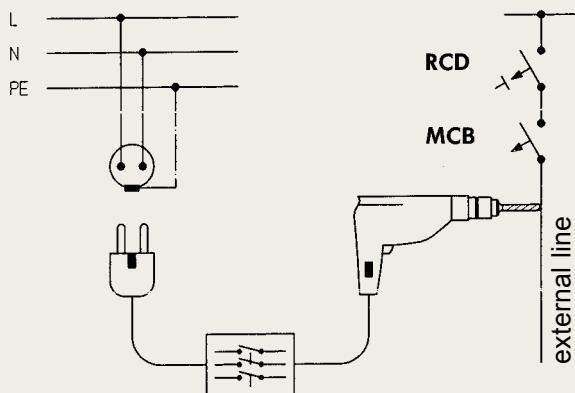
— INDUSTRIEFLEX®07 cables —

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2. Equipment failure in the case permanent installations: the PRCD-S detects all possible errors in permanent installations and then refuses to be switched on.

intact socket full protection operation possible	break in N line full protection no operation possible	break in PE line full protection no operation possible	break in PEN line full protection no operation possible	PE and L lines switched full protection no operation possible	L and PEN lines switched, full protection no operation possible for use in accordance with regulations



- drilling into external lines
- full protection through safety measures in the external line
- PRCD-S detects the external voltage on the protective earthing yet without interrupting the protective earthing connection, thus allowing the external voltage to be activated through its own upstream RCD and MCB safety devices

Use and Function

Specially designed for construction and assembly sites.

- IP 68 protection class
- aluminum injection molded housing
- suitable for direct connection with the feed cable of the electrical device (H07 RN-F 3G 2.5 mm²)
- can be implemented independently of whichever plug system is being used
- large, easy-to-use ON and OFF buttons
- additional optical switch position display
- undervoltage release
- extremely short trigger time
- neither prolonged submersion in water nor extreme levels of dust exposure can negatively impact functionality, efficiency, or durability
- long service life even when subjected to excessive strain
- unit cannot be operated without personal protection if safety precautions are compulsory
- plug types can be changed without needing to make a new purchase COST SAVINGS
- simple and safe operation
- operational status is easy to discern
- prevention of uncontrolled restarting of machines after power returns
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— other cable lengths and further models on request —
subject to modification and errors