



Ref. No. 431172 | Cat. No. FGQDB3M/6

Description: FG-RCD DiffBottom-3p 200-440V AC

EAN 5050096311721

Products > Industrial Circuit Breakers > Moulded Case Circuit Breakers

A record plus circuit breaker can offer protection against earth leakage currents by using an add-on residual current device (RCD). A line of three pole completely integrated add-on devices are available as side mounted models (FD frame size) or as units that are fitted below the trip unit of the breaker (FD, FE and FG frame sizes). In all cases the RCD unit interfaces directly with the circuit breaker without the use of any secondary wiring connections. Earth RCD has a sensor placed around the phase and neutral current paths that detects the vectorial sum of the phase and neutral currents. When this sum is no longer zero it is assumed that current is flowing to earth (residual current). If this value exceeds the threshold set on the RCD the breaker connected to the device is tripped.

The RCD units electrical power is supplied by the line voltage of the breaker it is linked to. By use of a multi-phase bridge the design still works when one phase and the neutral is present. A pouch on the RCD allows one to place one BAT contact NO or NC which allows a remote signal on earth faults. A Record Plus breaker and an RCD combination can be connected like any stand-alone breaker and are available as fixed or plug-in devices. The mains connection interface of the RCD is an exact replica of the breaker connection area, thus allowing the use of all standard breaker terminals.

Descriptors

Category	Moulded Case Circuit Breakers
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Specifications

Series	Residual Current devices
Range	Protection
Number of poles	3P
Frame type	G frame (400A/630A)
Accessory Detail	Differential bottom
Measurements	109x138.7x125.4 mm
Standard packing	1

Classifications

ETIM 5.0	EC001021
ETIM 6.0	EC001021

Dimensions

Weight	5.000 kg
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Publications

Title	Publication No.	Publication Type
Record Plus - Accesory FG - RCD Residual current devices bottom mounted 4p (stp) 3D Drawing: Industrial Circuit Breaker - Record Plus - Accesory FG - RCD Residual current devices bottom mounted 4p (STEP format) Record Plus - Accesory FG - RCD Residual current devices bottom mounted 4p (pdf)	3D-01015	Drawings - CAD - 3D
3D PDF Viewer: Industrial Circuit Breaker - Record Plus - Accesory FG - RCD Residual current devices bottom mounted 4p (3DPDF format)	3D-01015-PDF	Drawings - CAD - 3D

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