

Residual Current Circuit Breaker 100A, 30mA Type A

RCCBs provide 30mA earth leakage protection for final circuits or groups of circuits.

The CD285U is rated at 100 A and is designed to detect earth leakage current. When sufficient earth leakage (residual current) is detected the RCCB will trip in line with the requirements of BS EN 61008-1. There is a test button on the front of the device which should be tested twice yearly in line BS 7671:2018.

Description

RCCB 100A, 30mA, Type A, 2 Module

CD285U

Features & Benefits

- Can detect earth leakage (Residual current) in a final circuit(s) which could cause electric shock
- Double pole device allows complete isolation of final circuit(s)



CD285U

Technical Characteristics

Standard	BS EN 61008-1/ EN 61008-1
Residual Current Type	A
Rated Residual Operating Current ($I_{\Delta n}$)	30 mA
Rated Current (I_n)	100 A
Rated Operational Voltage (U_e)	230 V AC
Maximum Operating Voltage	253 V
Rated Short-Circuit Capacity (I_{cn}) EN 61008-1	6kA
Rated Frequency	50 Hz
Number of Modules	2
Pole	2P (switched neutral)
Neutral Position	Right
Rating Insulation Voltage (U_i) according to EN 61009-1 / IEC 61009-1	500 V
Rated Impulse Voltage (U_{imp})	4kV
Height of installed product	83mm
Depth of installed product	70mm
Width of installed product	35mm
Power Loss per Pole at I_n	7.6 w
Total Power Loss under I_n	14.3 w
Electrical Endurance	2000 cycles
Mechanical Endurance	4000 cycles
IP rating	Terminals IP20
Calibration Temperature	30°C
Working Temperature	-25°C up to 40°C
Storage Temperature	-40°C up to 70°C
Pollution Degree to IEC 60664 / IEC 60947-2	2
Compatible with Din Rail Mounting	Yes
Connection Capacity	50mm ² Rigid cable 35mm ² Flexible Conductor
Nominal Tightening Torque	3.3 Nm
Installation Altitude	2000m
Din Clip Type	Metal
Manual Test Button	Yes
Type of Terminal Connection	Screw
RoHs	Voluntary Conformity
Warranty	2 Years