



Ref. No. 609712 | Cat. No. DP100C40/030

Description: RCBO Residual current circuit breaker with overcurrent protection DP100 AC 1P+N 40 A 30 mA

EAN 5413656097129

Products > Modular DIN-rail devices > People protection > People protection

Series DP - Residual Current Circuit Breakers with Overcurrent Protection

People protection against the risk of electrocution and property protection against the risk of an electrical fire.

Also with overcurrent protection.

Features and benefits

- In accordance with EN/IEC 61009-1
- Recognized UL 1053, UL file E248309
- Maximum voltage AC (V) 240 or 277
- Fault current withstand (kA) 5 (277V), 10 (240V)
- Thermal settings In (A) 10-32
- Residual current IΔ n (mA) 10, 30, 100, 300
- Tripping characteristic B-C
- Selectivity class 3
- Rated maximum voltage AC Un (V) 240
- Minimum operating voltage U bmin (V) 100
- Nuisance tripping resistance
- 250A 8/20μs;
- 200A 0,5μs-100kHz
- Making and breaking capacity (EN/IEC 61009-1) Im = 6000A
- Residual making and breaking capacity (EN/IEC 61009-1) Icn = 5000/10000A at 230V
- Short-circuit capacity (EN/IEC 60947-2) Icu = 15000A at 230V
- CEBEC and UL approval

Descriptors

Category

People protection

Specifications

Series	Residual current circuit breaker with overcurrent protection
Range	DP100
Type	Type AC
Serie	Series AC
Un	240 Vac
Poles	1P+N
Rated current In	40 A
Residual current	30 mA
Operating time	Instantaneous
AC/DC	AC
Number of modules	2
Switching off capacity	C (5-10 In)
Terminal capacity flexible/rigid cable	25-35 mm ²
Tropicalisation according to IEC 60068-2-28/2-30	95%RV at 55°C
Electrical service life	20000/10000
Selectivity class	3
Minimum servicevoltage	176 V
Frequency	50/60 Hz
Operating temperature	-5°C / +40°C
Storage temperature	-25°C / +70°C
Shock voltage	6

Specifications

Protection Degree	IP20
Ambient temperature	-5 / 40°C
Nominal current Un	240 VAC
Nuisance tripping resistance	250 A 8/20 μ s - 200 A 0.5 μ s - 100 kHz
Differential making and breaking capacity	I(Δ)m = 7500 A
Short circuit capacity	I _{nc} = 10000A at 230V
Short circuit capacity / norm	I _{cu} = 15000A at 230V
Standard packing	1

Classifications

Approvals	CE, CEBEC, KEMA, LR, NF, RINA
Approval/norm	EN/IEC 61009-1 (EN 60898) & IEC 60947
ETIM 5.0	EC000003
ETIM 6.0	EC000003

Dimensions

Weight	0.220 kg
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Publications

Title	Publication No.	Publication Type
RCBO Residual current circuit breaker with overcurrent protection - 1P+N 2modules - Series DP60/100-DM60/100 (pdf)	3D-01102-PDF	Drawings - CAD - 3D
3D PDF Viewer: Modular DIN-rail device - People protection - RCBO Residual current circuit breaker with overcurrent protection - 1P+N 2modules - Series DP60/100-DM60/100 (3DPDF format)		
RCBO Residual current circuit breaker with overcurrent protection - 1P+N 2modules - Series DP60/100-DM60/100 (stp)	3D-01102	Drawings - CAD - 3D
3D Drawing: Modular DIN-rail device - People protection - RCBO Residual current circuit breaker with overcurrent protection - 1P+N 2modules - Series DP60/100-DM60/100 (STEP format)		

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