



Representative Image

Alternate Catalog No. DPLA100C10/030 Ref. No. 609626 | Cat. No. DPLA100C10/030

Description: RCBO Residual current circuit breaker with overcurrent protection DPA100 1P+NL 10A C 30mA UL

EAN 5413656096269

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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 $I_{\Delta n}$ (mA) 10, 30, 100, 300
- Tripping characteristic B-C
- Selectivity class 3
- Rated maximum voltage AC U_n (V) 240
- Minimum operating voltage U_{bmin} (V) 100
- Nuisance tripping resistance
- 250A 8/20 μ s;
- 200A 0,5 μ s-100kHz
- Making and breaking capacity (EN/IEC 61009-1) I_m = 6000A
- Residual making and breaking capacity (EN/IEC 61009-1) I_{cn} = 5000/10000A at 230V
- Short-circuit capacity (EN/IEC 60947-2) I_{cu} = 15000A at 230V
- CEBEC and UL approval

Descriptors

Category	People protection
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Specifications

Series	Residual current circuit breaker with overcurrent protection
Range	DPA100
Type	Type A
Serie	Series A
Un	240 Vac
Poles	1P+NL
Rated current In	10 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	Top terminal: 16-25 mm ² /Bottom terminal: 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	175 V
Frequency	50/60 Hz
Storage temperature	-25°C / +70°C

by ABB

Specifications	
Shock voltage	6
Protection Degree	IP20
Ambient temperature	-25°C / 40°C
Nominal current Un	240 Vac
Nuisance tripping resistance	250 A 8/20µs - 200 A 0.5 µs - 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

Classifications	
Approvals	CE CEBEC KEMA NF UR
Approval/norm	EN/IEC 61009-1, IEC 60947-2, Recognized UL1053
ETIM 5.0	EC000003 - Residual current circuit breaker (RCCB)
ETIM 6.0	EC000003 - Residual current circuit breaker (RCCB)
ETIM 7.0	EC000905 - Earth leakage circuit breaker

Dimensions	
Weight	0.250 kg

Package Information	
Standard packing	1

Operating Performance	
Operating temperature	-25°C / 40°C