

Product datasheet

Specifications



Molded case circuit breaker, PowerPacT 4, 4P, Icu 36kA, MicroLogic 2.3 electronic trip unit, 630A rating

PP46304X

EAN Code: 5018934031095

Main

Range Of Product	PowerPacT 4
Product Or Component Type	Circuit breaker
Device Application	Distribution
Poles Description	4P
[In] Rated Current	630 A at 40 °C
[Ue] Rated Operational Voltage	415 V AC 50/60 Hz
Suitability For Isolation	Yes conforming to BS EN 60947-2
Utilisation Category	Category A
[Icu] Rated Ultimate Short-Circuit Breaking Capacity	50 kA Icu at 415 V AC 50/60 Hz
Performance Level	F
Trip Unit Name	MicroLogic 2.3
Trip Unit Technology	Electronic
Trip Unit Protection Functions	LSol
Control Type	Toggle
Circuit Breaker Mounting Mode	Panel-mounted

Complementary

[Ui] Rated Insulation Voltage	800 V
[Uimp] Rated Impulse Withstand Voltage	8 kV
[Ics] Rated Service Short-Circuit Breaking Capacity	36 kA at 415 V AC 50/60 Hz
Mechanical Durability	15000 cycles
Electrical Durability	8000 cycles at 440 V In/2 4000 cycles at 440 V In
Power Dissipation Per Pole	39.7 W
Mounting Support	Backplate
Mounting Position	Horizontal and vertical
Number Of Modules	6 module(s)35 mm
Protection Type	L : for overload protection (thermal) So : for short time short-circuit protection with fixed delay I : for instantaneous short-circuit protection
Trip Unit Rating	630 A at 40 °C
Long-Time Pick-Up Adjustment Type Ir (Thermal Protection)	Fixed

[Ir] Long-Time Protection Pick-Up Adjustment Range	250...630 A
Long-Time Protection Delay Adjustment Type Tr	Fixed
[Tr] Long-Time Protection Delay Adjustment Range	400 s at 1.5 x Ir 16 s at 6 x Ir 11 s at 7.2 x Ir
Neutral Protection Settings	1 x Ir (4D) 0.5 x Ir (3D + N/2) No protection (3D)
Thermal Memory	20 minutes before and after tripping
Short-Time Protection Pick-Up Adjustment Type Isd	Adjustable
[Isd] Short-Time Protection Pick-Up Adjustment Range	1.5...10 x Ir
Short-Time Protection Delay Adjustment Type Tsd	Fixed
Instantaneous Protection Pick-Up Adjustment Type Ii	Fixed
[Ii] Instantaneous Protection Pick-Up Adjustment Range	6900 A
Earth-Leakage Protection	Without
Zone Selective Interlocking Zsi	Without
Contact Position Indicator	Yes
Local Signalling	Flashing LED (green) for ready to operate LED 90 % Ir (orange) for pre-alarm indicator LED 105 % Ir (red) for overload
Width	185 mm
Depth	110 mm
Height	255 mm
Net Weight	8.13 kg
Product Destination	400/630 A panelboard
Colour	Grey

Environment

Standards	BS EN 60947-2
Electrical Shock Protection Class	Class II
Pollution Degree	3 conforming to EN/IEC 60664-1
Ip Degree Of Protection	IP40 conforming to EN/IEC 60529
Ik Degree Of Protection	IK07 conforming to EN/IEC 62262
Ambient Air Temperature For Operation	-25...70 °C
Ambient Air Temperature For Storage	-50...85 °C
Operating Altitude	0...2000 m without derating 2000...5000 m with derating

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	21 cm
Package 1 Width	27 cm

Package 1 Length	35 cm
Package 1 Weight	10.266 kg
Unit Type Of Package 2	PAM
Number Of Units In Package 2	36
Package 2 Height	100 cm
Package 2 Width	100 cm
Package 2 Length	120 cm
Package 2 Weight	389.576 kg

Contractual warranty

Warranty	18 months
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