

Product datasheet

Specifications



Circuit breaker, GoPact MCCB 800, 3 poles, 50kA at 415VAC, 500A rating, ETU trip unit, adjustable thermal protection

G80N3E500

Main

Range of product	GoPact MCCB
Product or component type	Circuit breaker
Product name	GoPact MCCB 800
Device application	Distribution
Poles description	3P
Protected poles description	3D
[In] rated current	500 A at 40 °C
[Ue] rated operational voltage	415 V AC 50/60 Hz conforming to EN/IEC 60947-2
Suitability for isolation	Yes conforming to EN/IEC 60947-2
Utilisation category	Category A
[Icu] rated ultimate short-circuit breaking capacity	50 kA Icu at 380/415 V AC 50/60 Hz conforming to EN/IEC 60947-2 65 kA Icu at 220/230 V AC 50/60 Hz conforming to EN/IEC 60947-2
Performance level	N 50 kA 380/415 V AC
Trip unit name	ETU
Trip unit technology	Electronic
Trip unit protection functions	LSI
Control type	Toggle
Circuit breaker mounting mode	Fixed

Complementary

[Ui] rated insulation voltage	440 V AC conforming to EN/IEC 60947-2
[Uimp] rated impulse withstand voltage	8 kV conforming to EN/IEC 60947-2
[Ics] rated service short-circuit breaking capacity	50 kA at 380/415 V AC 50/60 Hz conforming to EN/IEC 60947-2 65 kA at 220/230 V AC 50/60 Hz conforming to EN/IEC 60947-2
Mechanical durability	15000 cycles
Electrical durability	3000 cycles at 415 V In
Power dissipation per pole	50 W
Mounting support	Backplate
Mounting position	Horizontal and vertical Flat on the back

Upside connection	Front
Downside connection	Front
Connection terminals	screw terminals
Connection pitch	60 mm
Protection type	L : for overload protection (thermal) S : for short time short-circuit protection I : for instantaneous short-circuit protection
Trip unit rating	500 A at 40 °C
Long-time pick-up adjustment type Ir (thermal protection)	Adjustable
[Ir] long-time protection pick-up adjustment range	0.25...1 x In
Long-time protection delay adjustment type tr	Fixed
Short-time protection pick-up adjustment type Isd	Adjustable
[Isd] Short-time protection pick-up adjustment range	1.5...12 x Ir
Short-time protection delay adjustment type tsd	Fixed
Instantaneous protection pick-up adjustment type li	Adjustable
[li] instantaneous protection pick-up adjustment range	1.5...12 x In
Width (W)	180 mm
Height (H)	250 mm
Depth (D)	105 mm
Net weight	6.9 kg
Colour	Grey (RAL 7035)

Environment

Standards	EN/IEC 60947-1 EN/IEC 60947-2 EN/IEC 60947-2 Annex H
Overvoltage category	III
Pollution degree	3 conforming to IEC 60664-1
IP degree of protection	IP20 conforming to IEC 60529
Ambient air temperature for operation	-20...55 °C
Ambient air temperature for storage	-35...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	29.4 cm
Package 1 Width	29.8 cm
Package 1 Length	39.8 cm
Package 1 Weight	10.01 kg

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
China RoHS Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
PVC free	Yes

Recommended replacement(s)