



PRODUCT-DETAILS

E880+253B80

E880+253B80 High Performance MCB

General Information

Extended Product Type	E880+253B80
Product ID	2CCG000275R0001
EAN	5413656648598
Catalog Description	E880+253B80 High Performance MCB
Long Description	E880+251C100 High Performance MCB, 25 kA, 3 Pole, B characteristic, 80 A

Technical

Standards	IEC/EN 60947-2 IEC/EN 60898-1
Product Name	High Performance MCB
Tripping Characteristic	B
Rated Voltage (U_r)	254/440 V AC 375 V DC
Rated Operational Voltage	254/440 V AC 375 V DC
Operational Voltage	Maximum 230/400 V AC Minimum 12 V AC
Rated Insulation Voltage (U_i)	acc. to IEC/EN 60664-1 500 V AC
Rated Impulse Withstand Voltage (U_{imp})	8 kV
Rated Current (I_n)	80 A
Rated Operational Current (I_e)	80 A
Rated Short-Circuit Capacity (I_{cn})	(230 / 400 V AC) 15 kA
Rated Ultimate Short-Circuit Breaking Capacity (I_{cu})	(240 / 415 V AC) 25 kA (254 / 440 V AC) 15 kA (375 V DC) 10 kA
Rated Service Short-Circuit Breaking Capacity (I_{cs})	(240 / 415 V AC) 18 kA (254 / 440 V AC) 10 kA (375 V DC) 10 kA
Frequency (f)	50 / 60 Hz
Rated Frequency (f)	50 ... 60 Hz
Power Loss	19.2 W at Rated Operating Conditions per Pole 6.4 W
Contact Position Indication	ON / OFF / TRIP
Energy Limiting Class	3 4000 cycle

Number of Poles	3
Overvoltage Category	IV
Tightening Torque	3.5 N·m
Actuator Marking	I / O
Housing Material	Insulation group I, RAL 7035
Mounting on DIN Rail	TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715
Mounting Position	any
Recommended Screw Driver	Pozidriv 2
Remarks	Connection from top and bottom Connecting with CU only IP40 in enclosure with cover Cage terminal with captille screw
Number of Batteries	0
Connecting Capacity	Flexible 1 ... 50 mm ² Stranded 1 ... 70 mm ²
Terminal Type	Screw Terminals

Environmental

Reference Ambient Air Temperature	acc. to IEC60947-2 30 °C acc. to EN60898-1 30 °C
Degree of Protection	IP20
Pollution Degree	3
Environmental Conditions	Damp Heat Cyclic acc. to IEC 60068-2-30 12+12 cycle 55°C @ 90-96% 25°C @ 90-100% Dry Heat Test B acc. to IEC 60068-2-2 16 hour @ 55 °C 2 hour @ 70 °C
Resistance to Vibrations acc. to IEC 60068-2-6	2 - 13.2 Hz / 1mm 13.2 - 100Hz / 0.7g with load 100% x 1e
Resistance to Shock acc. to IEC 60068-2-27	5 g 30 ms

Dimensions

Product Net Width	81 mm
Product Net Height	95 mm
Product Net Depth / Length	82.5 mm
Product Net Weight	735 g

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	105 mm
Package Level 1 Height	99 mm
Package Level 1 Depth / Length	86 mm
Package Level 1 Gross Weight	770 g
Package Level 1 EAN	5413656648598

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85362090
Country of Origin	Switzerland (CH)
Selling Unit of Measure	piece

Certificates and Declarations (Document Number)	
Declaration of Conformity - CE	No declaration needed
Instructions and Manuals	No document needed

Popular Downloads	
Data Sheet, Technical Information	No document needed
Instructions and Manuals	No document needed

Classifications	
ETIM 6	EC000042 - Miniature circuit breaker (MCB)
ETIM 7	EC000042 - Miniature circuit breaker (MCB)
ETIM 8	EC000042 - Miniature circuit breaker (MCB)
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B	Business To Business
CN8	85362020
Object Classification Code	F

Categories
Low Voltage Products and Systems → Modular DIN Rail Products → AEG → MCB AEG