

Eaton EMCS180

Catalog Number: EMCS180

Eaton Distribution parts. EM, C, 1-pole, 80A

General specifications



Product Name	Catalog Number
Eaton Distribution parts	EMCS180
Model Code	EAN
EMCS180	5019586151674
Product Length/Depth	Product Height
90 mm	75 mm
Product Width	Product Weight
27 mm	0.239 kg
Compliances	
RoHS conform	

Product specifications

Rated operational current for specified heat dissipation (In)

80 A

Number of poles (protected)

1

Rated short-circuit breaking capacity (EN 60898) at 230 V

0 kA

Heat dissipation capacity

0 W

Release characteristic

C

Current limiting class

3

Rated short-circuit breaking capacity (EN 60898) at 400 V

0 kA

Amperage Rating

80 A

Frequency rating - max

60 Hz

Width in number of modular spacings

1.5

Rated short-circuit breaking capacity (IEC 60947-2) at 400 V

20 kA

Connectable conductor cross section (solid-core) - max

50 mm²

Number of poles (total)

1

Degree of protection

IP20

Overvoltage category

III

Rated short-circuit breaking capacity (IEC 60947-2) at 230 V

20 kA

Special features

Ambient temperature hint: a 1 °C increase results in a 0.35% linear reduction of current carrying capacity

Resources

Installation instructions

IL019228ZU

Ambient operating temperature - max

55 °C

Pollution degree

2

Connectable conductor cross section (multi-wired) - min

2.5 mm²

Rated impulse withstand voltage (U_{imp})

4 kV

Built-in depth

75 mm

Features

Additional equipment possible

Connectable conductor cross section (solid-core) - min

2.5 mm²

Number of poles

Single-pole

Rated switching capacity (IEC/EN 60947-2)

20 kA

Ambient operating temperature - min

-25 °C

Connectable conductor cross section (multi-wired) - max

50 mm²

Type

EM

Miniature circuit breaker

Used with

EM

Miniature circuit breaker

Equipment heat dissipation, current-dependent

7.14 W

Tripping characteristic

C

Frequency rating - min

50 Hz

Static heat dissipation, non-current-dependent

0 W

Application

Switchgear for residential and commercial applications

Rated operational voltage (Ue) - max

400 V

Voltage type

AC

Rated insulation voltage (Ui)

440 V



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