

12.5

Technical data

Switch and protection devices dimensions and data

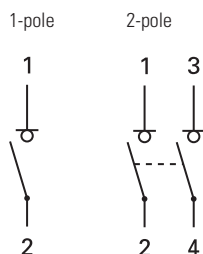
Main load disconnect switch (Isolators)

The Eaton range of compact modular Isolators are available in Single Pole, Double Pole and Single Pole with Switched Neutral arrangements. Manufactured and tested in accordance with IEC/EN 60947-3 to meet the latest European and International standards.

DIN rail mountable in one or 2 modules width these Isolators are available in 63A and 100A ratings. Suited with the complete range of Eaton's modular devices, providing positive contact position indication and terminal capacity up to 50 mm², these devices are the ideal choice as a Main switch in Eaton's MEM Memera consumer units and other applications.

With rated short circuit capacity at up to 12.5kA these switches are fully rated and tested to IEC/EN 60947-3 for AC23 duty at 240VAC

Connection diagram



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Specifications

Product standard	IEC/EN 60947-3
No of poles	1P, 2P, 1P+N

Mechanical specification

Device width	
1p	17.7mm
2p	35mm
Terminal type	Box clamp
Terminal capacity	2.5 – 50mm ²
Terminal Screw	M6 combination
Terminal torque recommended	2.5Nm - max 5.0Nm
Mounting	DIN rail
Degree of protection	IP 10
Positive contact indication	Yes (Red/Green)

Electrical specification

Rated voltage	230/240 V AC
Rated Current	
AC23	63A, 100A (240V)
Rated peak withstand voltage	6kV
Rated insulation Voltage	690V
Rated short circuit capacity	
63A	12.5kA (fuse backup 125A gG max.)
100A	6kA (fuse backup 125A gG max.)
Rated short time withstand Icw	2kA
Rated short circuit making Icm	2.8kA

Endurance

Number of operating cycles elec	>3000
Number of operating cycles mech	>16000

