

MCB 1P 6kA B-25A 1M

Architecture

Number of protected poles	1
Number of poles	1 P
Type of pole	1 P
Curve	B

Connectivity

Bottom connection alignment for modular devices	Aligned terminal
Top connection alignment for modular devices	Aligned terminal

Main electrical features

Frequency	50/60 Hz
Rated short circuit breaking capacity I_{cn} AC according IEC60898-1	6 kA
Rated operational voltage U_e	230/400 V

Voltage

Rated insulation voltage	500 V
Rated impulse withstand voltage	4000 V

Electric current

Rated short circuit breaking capacity I_{cn} under 230V AC according IEC60898-1	6 kA
Rated service breaking capacity I_{cs} AC according IEC 60898-1	6 kA
Rated ultimate short-circuit breaking capacity I_{cu} under 230V AC IEC 60947-2	6 kA
Magnetic regulating current at 40° C	3/5 I_n
min/maxi threshold value of the AC thermal operation	1,13/1,45 I_n

Current correction factors

Correction factor of magnetic tripping with 100 Hz	1,1
Correction factor of magnetic tripping with 200 Hz	1,2
Correction factor of magnetic tripping with 400 Hz	1,5
Correction factor of magnetic tripping with 60 Hz	1
Correction factor of rating current for 2 devices placed side-by-side	1
Correction factor of rating current for 3 devices placed side-by-side	0,95
Correction factor of rating current for 4 and 5 devices placed side-by-side	0,9
Correction factor of rating current for 6 devices placed side-by-side	0,85

Endurance

Electric endurance in number of cycles	4000
Number of mechanical operations	20000

Dimensions

Depth of installed product	70 mm
Height of installed product	83 mm
Width of installed product	17,5 mm

Installation, mounting

Type of top connection for modular devices	with screw
Tightening torque	2,8Nm
Type of Bottom Connection for modular devices	Blconnect

Connection

Connection cross-sect. rigid cable	1 / 35mm ²
Connection cross-sect. flexible conductor	1 / 25mm ²
Type of connection	with screw
Connection cross section of access and exit with screws, for flexible conductor	1/25 mm ²
Connection cross-section of input and output with screws, for massive conductors	1/35 mm ²

Standards

Standard text	EN 60898-1
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Safety

Protection index IP	IP20
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Use conditions

Degree of pollution according to IEC 60664 / IEC 60947-2	2
Operating temperature	-25 70 °C
Class of energy limitation I ² t	3
Altitude	2000 m
Storage temperature	-25 to 80 °C
Air humidity protection	for all climates
Storage/transport temperature	-25 80 °C