



MSN132

MCB 1P 6kA C-32A 1M

Technical Features

Electric current

Rated current	32 A
Rated short-circuit breaking capacity I _{cn} under 230 V AC according to IEC 60898-1	6 kA
Rated current -15°C	40.2 A
Rated current -10°C	39.6 A
Rated current -5°C	38.5 A
Rated current at 0°C	37.7 A
Rated current 5°C	36.9 A
Rated current 10°C	36.1 A
Rated current 15°C	35.2 A
Rated current at 20°C	34.4 A
Rated current 25°C	33.6 A
Rated current 30°C	32 A
Rated current 35°C	32 A
Rated current at 40°C	31.1 A
Rated current at 45°C	30.3 A
Rated current at 50°C	30 A
Rated current 55°C	28.7 A
Rated current 60°C	27.8 A
Rated current 65°C	27 A
Rated current 70°C	26.2 A

Architecture

Type of pole	1P
Curve	C

Capacity

Number of modules	1
-------------------	---

Main electrical attributes

Rated short-circuit breaking capacity I _{cn} AC according to IEC 60898-1	6 kA
---	------

Installation, mounting

Nominal tightening torque top terminal	2.80 - 2.80 Nm
Nominal tightening torque down terminal	2.80 - 2.80 Nm

Voltage

Rated operational voltage U _e	240 - 415 V
Type voltage supply	AC
Rated insulation voltage U _i	500 V
Rated impulse withstand voltage U _{imp}	4000 V

Frequency

Frequency	50 - 60 Hz
-----------	------------

Connection

Cross-section of input and output with screws, for massive conductors	1 - 35 mm ²
Cross-section of input and output with screws, for flexible conductors	1 - 25 mm ²
Cross-section of input with screws, for flexible conductors	1 - 25 mm ²
Cross-section of input with screws, for massive conductors	1 - 35 mm ²
Cross-section flexible conductor	1 - 25 mm ²
Cross-section rigid conductor	1 - 35 mm ²

Installation, mounting

Nominal tightening torque	2.80 - 2.80 Nm
Type of bottom connection for modular devices	biconnect
Type of top connection for modular devices	Screw terminal
360° mounting position possible	Yes

Safety

Ingress Protection (IP) class	IP20
-------------------------------	------

Use conditions

Degree of pollution according to IEC 60664 / IEC 60947-2	2
--	---

Class of energy limitation I ² t	3
---	---

Air humidity protection	For all climates
-------------------------	------------------

Operating temperature	-25 - 70 °C
-----------------------	-------------

Power

Total power loss under IN	4.4 W
---------------------------	-------

Connectivity

Type of connection	Screw terminal
--------------------	----------------

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

Down connection alignment for modular devices	Aligned terminal
---	------------------

Dimensions

Height	83 mm
--------	-------

Width	17.50 mm
-------	----------

Depth	70 mm
-------	-------

Sustainability

RoHS conform	Yes
--------------	-----
