



## MCB 1P 3kA C-16A 1M

## **Technical properties**

Archi	tecture
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Neutral position	without neutral
Number of poles	1 P
Type of pole	1 P
Fixing mode	DIN rail type O (symmetrical)
Curve	С
Functions	
Concurrently switching N-neutral	No
Configuration	
Number of modules	1
Connectivity	
Top connection alignement for modular devices	Aligned terminal
Bottom connection alignement for modular devices	Aligned terminal
Main electrical features	
Rated operational voltage Ue	230 / 400 V
Type of supply voltage	AC
Voltage	
Rated insulation voltage	500 V
Max operating voltage	415 V
Rated impulse withstand voltage	4000 V
Electric current	
Rated current	16 A
min/maxi threshold value of the AC thermal operation	1.13 / 1.45 ln
Magnetic regulating currrent	5 / 10 In
Rated short circuit breaking capacity Icn under 230V AC according IEC60898-1	3 kA
Rated short circuit breaking capacity Icn under 400V AC according IEC60898-1	3 kA
Electric current / temperature	
Rating current -25°C	22.48 A
Rating current -20°C	21.91 A
Rating current -15°C	21.33 A

Rating current -5°C 19.61 A Rating current 0°C 19.61 A Rating current 0°C 19.61 A Rating current 10°C 19.04 A Rating current 10°C 18.47 A Rating current 10°C 17.9 A Rating current 10°C 17.9 A Rating current 20°C 17.32 A Rating current 20°C 16.75 A Rating current 30°C 16.6 A Rating current 30°C 16.6 A Rating current 35°C 15.6 A Rating current 40°C 15.03 A Rating current 40°C 15.03 A Rating current 45°C 14.4 6 A Rating current 50°C 14.4 A Rating current 50°C 14.4 A Rating current 50°C 15.0 A Rating current 60°C 15.0 A Rating current 70°C 15.0 A Rating current 60°C 15.0 A Rating curre	Rating current -10°C	20.82 A
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Power  Maximum power loss per pole according to the product standard 3.5 W  Power loss per pole at In 2.32 W  Endurance  Electric endurance in number of cycles 4000  Number of mechanical operations 20000  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-section at output with screw, for flexible conductor 1/25 mm²  Connection cross-section at output with	Depth of installed product	70 mm
Maximum power loss per pole according to the product standard  3.5 W  Power loss per pole at In  2.32 W  Endurance  Electric endurance in number of cycles  Aunumber of mechanical operations  20000  Installation, mounting  Type of top connection for modular devices  Tightening torque  2,8Nm  Type of Bottom Connection for modular devices  Blconnect  Connection  Connection cross-section at output with screw, for flexible conductor  1 / 25 mm²  Connection cross-section at output with	Width of installed product	17.5 mm
Maximum power loss per pole according to the product standard  3.5 W  Power loss per pole at In  2.32 W  Endurance  Electric endurance in number of cycles  Aunumber of mechanical operations  20000  Installation, mounting  Type of top connection for modular devices  Tightening torque  2,8Nm  Type of Bottom Connection for modular devices  Blconnect  Connection  Connection cross-section at output with screw, for flexible conductor  1 / 25 mm²  Connection cross-section at output with	Parameter	
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Endurance  Electric endurance in number of cycles 4000  Number of mechanical operations 20000  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  Connection cross-section at output with screw, for flexible conductor 1/25 mm²  Connection cross-section at output with		3.5 W
Electric endurance in number of cycles 4000  Number of mechanical operations 20000  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  Connection cross-section at output with screw, for flexible conductor 1/25 mm²  Connection cross-section at output with	Power loss per pole at In	2.32 W
Electric endurance in number of cycles 4000  Number of mechanical operations 20000  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  Connection cross-section at output with screw, for flexible conductor 1/25 mm²  Connection cross-section at output with		
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Type of top connection for modular devices  Tightening torque  2,8Nm  Type of Bottom Connection for modular devices  Blconnect  Connection  Connection cross-section at output with screw, for flexible conductor  1 / 25 mm²  Connection cross-section at output with	Number of mechanical operations	20000
Tightening torque 2,8Nm  Type of Bottom Connection for modular devices Blconnect  Connection  Connection cross-section at output with screw, for flexible conductor 1 / 25 mm²  Connection cross-section at output with	Installation, mounting	
Type of Bottom Connection for modular devices  Blconnect  Connection  Connection cross-section at output with screw, for flexible conductor  Connection cross-section at output with	Type of top connection for modular devices	with screw
Connection  Connection cross-section at output with screw, for flexible conductor 1 / 25 mm²  Connection cross-section at output with	Tightening torque	2,8Nm
Connection cross-section at output with screw, for flexible conductor 1 / 25 mm <sup>2</sup> Connection cross-section at output with	e :	Blconnect
screw, for flexible conductor 1 / 25 mm²  Connection cross-section at output with	Connection	
·		1 / 25 mm²
	·	1 / 35 mm²

Connection cross-section for rigid	1./25
conductor, upstream terminals with screws	1 / 35 mm <sup>2</sup>
Connection cross-section of the access with screws, with flexible conductor	1 / 25 mm²
Type of connection	with screw
Equipment	
Can be accessorized	No
Standards	
European directive WEEE	concerned
Safety	
Protection index IP	IP20
REACH conform	No
Use conditions	
Operating temperature	-2570 °C
Degree of pollution according to IEC 60664 / IEC 60947-2	2
Class of energy limitation I <sup>2</sup> t	3
Altitude	2000 m
Storage/transport temperature	-2580 °C
temperatur	
Temperature of calibration	30 °C