

62.5 A



## MCB 4P 6kA C-50A 4M

## **Technical characteristics**

Neutral position	without neutral
Number of protected poles	4
Number of poles	4 P
Type of pole	4 P
Curve	C
Functions	
Concurrently switching N-neutral	No
Configuration	
Number of modules	4
Connectivity	
Top connection alignement for modular devices	Aligned terminal
Bottom connection alignement for modular devices	Aligned terminal
Main electrical features	
Rated short circuit breaking capacity Icn AC according IEC60898-1	6 kA
Rated operational voltage Ue	415 V
Type of supply voltage	AC
Frequency	50/60 Hz
Voltage	
Rated insulation voltage	500 V
Rated impulse withstand voltage	4000 V
Electric current	
Rated current	50 A
Rated service breaking capacity Ics AC according IEC 60898-1	6 kA
min/maxi threshold value of the AC thermal operation	1.13 / 1.45 In
Magnetic regulating currrent	5 / 10 In
Rated short circuit breaking capacity Icn under 400V AC according IEC60898-1	6 kA
Electric current / temperature	
Rating current -25°C	63.7 A

Subject to technical modifications

Rating current -20°C

Rating current -15°C	61.4 A
Rating current -10°C	60.2 A
Rating current -5°C	59.1 A
Rating current 0°C	57.9 A
Rating current 5°C	56.6 A
Rating current 10°C	55.4 A
Rating current 15°C	54.1 A
Rating current 20°C	52.8 A
Rating current 25°C	51.4 A
Rating current 30°C	50 A
Rating current 35°C	48.5 A
Rating current 40°C	47 A
Rating current 45°C	45.4 A
Rating current 50°C	43.7 A
Rating current 55°C	42 A
Rating current 60°C	40.2 A
Rating current 65°C	38.3 A
Rating current 70°C	36.3 A

## **Current correction factors**

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	0.8
Correction factor of rating current for 4 and 5 devices placed side-by-side	0.7
Correction factor of rating current for 6 devices placed side-by-side	0.6
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
Dimensions	
Depth of installed product	70 mm
Height of installed product	84.6 mm
Width of installed product	70 mm
Frequency	
Frequency	50 to 60 Hz
Power	
Total power loss under IN	19.75 W
Power loss per pole at In	5.2 W
Endurance	
Electric endurance in number of cycles	4000
Number of mechanical operations	20000

Subject to technical modifications

Type of top connection for modular devices	with screw
ightening torque	2,8Nm
Type of top rail clip for modular devices	NA
Type of bottom rail clip for modular devices	plastic
Type of Bottom Connection for modular levices	Blconnect
op removability for modular devices	Nc
Bottom removability for modular devices	Yes
Connection	
Connection cross-sect. flexible conductor	1 / 25mm²
Connection cross-sect. rigid cable	1 / 35mm²
Connection cross-section of input and output with screws, for massive conductors	1 / 35 mm²
Connection cross section of access and exit vith screws, for flexible conductor	1 / 25 mm²
Type of connection	with screw
Type of connection	with screw
Equipment Quick connect	with screw nc
Equipment Quick connect With transparent product label holder Standards	nc
Equipment Quick connect With transparent product label holder	nc
Equipment Quick connect With transparent product label holder Standards	nc Yes IEC 60898-1
Equipment Quick connect With transparent product label holder Standards Standard text	nc Yes IEC 60898-1
Equipment Quick connect With transparent product label holder Standards Standard text European directive WEEE	nc Yes IEC 60898-1 not concerned
Equipment Quick connect With transparent product label holder Standards Standard text European directive WEEE Safety	nc Yes IEC 60898-1 not concerned Nc
Equipment Quick connect With transparent product label holder Standards Standard text European directive WEEE Safety REACH conform	IEC 60898-1 not concerned No Yes
Equipment Quick connect With transparent product label holder Standards Standard text European directive WEEE Safety REACH conform ROHS conform	IEC 60898-1 not concerned No Yes
Equipment Quick connect With transparent product label holder Standards Standard text European directive WEEE Safety REACH conform RoHS conform Halogen free	IEC 60898-1 not concerned Not Yes
Equipment Quick connect With transparent product label holder Standards Standard text European directive WEEE Safety REACH conform Halogen free Jse conditions	IEC 60898-1 not concerned No Yes No -2570 °C
Equipment Quick connect With transparent product label holder Standards Standard text European directive WEEE Safety REACH conform RoHS conform Halogen free Jse conditions Operating temperature Degree of pollution according to IEC 60664 /	۲es ۱EC 60898-J not concerned ۲es Να -2570 °C
Equipment Quick connect With transparent product label holder Standards Standard text European directive WEEE Safety REACH conform Halogen free Jse conditions Dperating temperature Degree of pollution according to IEC 60664 / EC 60947-2	الدي الدر 60898-1 الدر 60898-1 not concerned Not Yes Not -2570 °C 2 3
Equipment Quick connect With transparent product label holder Standards Standard text European directive WEEE Safety REACH conform RoHS conform Halogen free Jse conditions Deprating temperature Degree of pollution according to IEC 60664 / EC 60947-2 Class of energy limitation I <sup>2</sup> t	nc

Aesthetic for B.G. Protection devices

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