



### MW306

### MCB 3P 3kA C-6A 3M

Technische Merkmale

### Architecture

Number of protected poles	3
Number of poles	3 P
Type of pole	3 P
Curve	С

## Connectivity

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

### Main electrical features

Frequency		50/60 Hz
Rated short circuit breaking capacity Icn AC	::09	3 kA
according IEC60898-1		
Rated operational voltage Ue		230/400 V

# Voltage

Rated insulation voltage		500 V
Rated impulse withstand voltage	, O.	4000 V

#### **Electric current**

Rated short circuit breaking capacity Icn under 400V AC according IEC60898-1	3 kA
Rated service breaking capacity Ics AC according IEC 60898-1	3 kA
Breaking capacity on 1 pole with 400 V NF 60947-2	3 kA
Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2	4,5 kA
Magnetic regulating currrent at 40° C	5/10 ln
min/maxi threshold value of the DC magnetic operation	7/15 ln
min/maxi threshold value of the AC thermal operation	1,13/1,45 ln
min/maxi threshold value of the DC thermal operation	1,13/1,45 ln



Rating current 2°C         7,6 A           Rating current 1°C         7 A           Rating current 1°C         6,7 A           Rating current 1°C         6,5 A           Rating current 1°C         6,5 A           Rating current 2°C         6,4 A           Rating current 2°C         6,2 A           Rating current 3°C         6,8 A           Rating current 3°C         6,8 A           Rating current 3°C         5,8 A           Rating current 4°C         5,6 A           Rating current 4°C         5,6 A           Rating current 4°C         5,6 A           Rating current 5°C         5,9 A           Rating current 5°C         7,2 A           Rating current 5°C         5,2 A           Rating current 5°C         5,4 A           Rating current 5°C         4,8 A           Rating current 5°C         4,8 A           Rating current 5°C         4,8 A           Rating current 6°C         4,8 A           Rating current 7°C         4,5 A           Current of actor of magnetic tripping with 100 Hz         1,1           Correction factor of magnetic tripping with 200 Hz         1           Correction factor of magnetic tripping with 60 Hz         1	Electric current / temperature	
Rating current 10°C         7. A           Rating current 10°C         6.7 A           Rating current 10°C         7.3 A           Rating current 20°C         6.4 A           Rating current 25°C         6.2 A           Rating current 25°C         7.8 A           Rating current 30°C         6. A           Rating current 30°C         5.8 A           Rating current 40°C         5.6 A           Rating current 45°C         5.8 A           Rating current 45°C         6.9 A           Rating current 5°C         6.9 A           Rating current 5°C         6.9 A           Rating current 5°C         5.2 A           Rating current 5°C         5.2 A           Rating current 5°C         4.8 A           Rating current 6°C         4.9 A           Correction factor of magnetic tripping with 00 Hz         <	Rating current -15°C	7,5 A
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Rating current 50°C 5,2 A Rating current 55°C 5 A Rating current 60°C 4,8 A Rating current 65°C 4,6 A Rating current 65°C 4,6 A Rating current 70°C 4,4 A  Current correction factors  Correction factor of magnetic tripping with 100 Hz 1,1 Correction factor of magnetic tripping with 400 Hz 1,2 Correction factor of magnetic tripping with 400 Hz 1,5 Correction factor of magnetic tripping with 60 Hz 1,5 Correction factor of rating current for 2 devices placed side-by-side Correction factor of rating current for 3 devices placed side-by-side Correction factor of rating current for 4 and 5 0,9 devices placed side-by-side Correction factor of rating current for 6 devices placed side-by-side Correction factor of rating current for 6 devices placed side-by-side Correction factor of rating current for 3 devices placed side-by-side Correction factor of rating current for 3 devices placed side-by-side Correction factor of rating current for 4 and 5 0,9 devices placed side-by-side Correction factor of rating current for 6 devices placed side-by-side  Power  Power  Power  Electric endurance in number of cycles 40000 Number of mechanical operations 200000  Dimensions  Dimensions  Depth of installed product 70 mm Height of installed product 83 mm	Rating current 5°C	6,9 A
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Rating current 70°C 4,4 A  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 1,5  Correction factor of rating current for 2 devices 1,0  placed side-by-side 1,0  Correction factor of rating current for 3 devices 1,0  placed side-by-side 1,0  Correction factor of rating current for 4 and 5  devices placed side-by-side 1,0  Correction factor of rating current for 4 and 5  devices placed side-by-side 1,0  Correction factor of rating current for 6 devices 1,3  placed side-by-side 1,3  Power loss per pole at In 1,34 W  Total power loss under IN 3,9 W  Endurance 1,34 W  Endurance 1,34 W  Endurance 2,0000  Dimensions 2,0000  Dimensions 2,0000  Dimensions 3,3 mm  Height of installed product 7,0 mm  Height of installed product 8,3 mm	Rating current 60°C	4,8 A
Current correction factors  Correction factor of magnetic tripping with 100 Hz  Correction factor of magnetic tripping with 200 Hz  Correction factor of magnetic tripping with 400 Hz  Correction factor of magnetic tripping with 400 Hz  Correction factor of magnetic tripping with 60 Hz  Correction factor of rating current for 2 devices placed side-by-side  Correction factor of rating current for 3 devices placed side-by-side  Correction factor of rating current for 4 and 5 devices placed side-by-side  Correction factor of rating current for 6 devices placed side-by-side  Power  Power  Power loss per pole at In  1,34 W  Total power loss under IN  3,9 W  Endurance  Electric endurance in number of cycles  Au000  Number of mechanical operations  20000  Dimensions  Depth of installed product  70 mm  Height of installed product  83 mm	Rating current 65°C	4,6 A
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Correction factor of magnetic tripping with 60 Hz  Correction factor of rating current for 2 devices placed side-by-side  Correction factor of rating current for 3 devices placed side-by-side  Correction factor of rating current for 4 and 5 0,9 devices placed side-by-side  Correction factor of rating current for 6 devices placed side-by-side  Correction factor of rating current for 6 devices placed side-by-side  Power  Power  Power loss per pole at In 1,34 W Total power loss under IN 3,9 W  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		
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Power  Power loss per pole at In 1,34 W Total power loss under IN 3,9 W  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	devices placed side-by-side	·
Power loss per pole at In 1,34 W Total power loss under IN 3,9 W  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		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	Power	
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	Power loss per pole at In	1,34 W
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	Total power loss under IN	3,9 W
Number of mechanical operations     20000       Dimensions     70 mm       Depth of installed product     83 mm	Endurance	
Dimensions  Depth of installed product 70 mm  Height of installed product 83 mm	Electric endurance in number of cycles	4000
Depth of installed product 70 mm Height of installed product 83 mm	Number of mechanical operations	20000
Height of installed product 83 mm	Dimensions	
Height of installed product 83 mm	Depth of installed product	70 mm
	Height of installed product	83 mm
	Width of installed product	52,5 mm



Type of top connection for modular devices	with screw
Tightening torque	2,8Nm
Type of bottom rail clip for modular devices	metallic
Type of top rail clip for modular devices	NA
Type of Bottom Connection for modular devices	Blconnect
Bottom removability for modular devices	no
Top removability for modular devices	no
Connection	
Connection cross-sect. rigid cable	1 / 35mm²
Connection cross-sect. flexible conductor	1 / 25mm²
Type of connection	with screw
Connection cross section of access and exit with screws, for flexible conductor	1/25 mm²
Connection cross-section of input and output with screws, for massive conductors	1/35 mm²
Standards	
Standard text	EN 60898-1
European directive WEEE	concerned
Safety Protection index IP	IP20
Use conditions	29
Degree of pollution according to IEC 60664 / IEC 60947-2	2
00941-2	
Operating temperature	-25 70 °C
	-25 70 °C
Operating temperature	
Operating temperature Class of energy limitation I <sup>2</sup> t	3
Operating temperature Class of energy limitation I²t Altitude	3 2000 m