



MW320

MCB 3P 3kA C-20A 3M

Technical properties

Arc	-hi	+~	ct.	IFO

Number of protected poles	3
Number of poles	3 P
Type of pole	3 P
Curve	С
Functions	
Concurrently switching N-neutral	No
Configuration	
Number of modules	3
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	3 kA
Rated operational voltage Ue	230 / 400 V
Frequency	50/60
Voltage	
Rated insulation voltage	500 V
Rated impulse withstand voltage	4000 V
Electric current	
Rated current	20 A
Rated service breaking capacity Ics AC according IEC 60898-1	3 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	3 kA
Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2	3 kA
Current correction factors	
Correction factor of rating current for 2 devices placed side-by-side	1

Correction factor of rating current for 6 devices placed side-by-side 0.85 Correction factor of magnetic tripping with 1.11 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 400 hz 1.5 Correction factor of magnetic tripping with 400 hz 1.5 Correction factor of magnetic tripping with 400 hz 1.5 Correction factor of magnetic tripping with 400 hz 1.5 Correction factor of magnetic tripping with 400 hz 1.5 Correction factor of magnetic tripping with 400 hz 1.5 Dimensions Depth of installed product 70 mm Height of installed product 83 mm Width of installed product 83 mm Width of installed product 92.5 mm Frequency 50 to 60 Hz Endurance Electric endurance in number of cycles 10000 Number of mechanical operations 20000 Installation, mounting 7 Type of top connection for modular devices with screw 1 ghatening torque 2,8 km Type of Bottom Connection for modular devices 81 km 1 years 1 year	Correction factor of rating current for 3 devices placed side-by-side	0.95
devices placed side-by-side Correction factor of magnetic tripping with 1.1 Correction factor of magnetic tripping with 2.00 Hz Correction factor of magnetic tripping with 4.00 Hz Correction factor of magnetic tripping with 4.		0.9
1.10 Divides the properties of 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 magnetic tripping with 60 Hz Dimensions Pepth of installed product Prequency Frequency Frequency Frequency Frequency Frequency Electric endurance in number of cycles In 0000 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 Biconnect Connection Connection cross-sect. flexible conductor Connection cross-sect. rigid cable 1/35mm² Connection cross-sect. of input and output with screws, for massive conductors Connection cross-section of access and exit with screws, for flexible conductor Type of connection Standards Standards Standards Standards Standards Standards Luropean directive WEEE not concerned Use conditions Operating temperature -2570 °C 20 Class of energy limitation Pt 3 Altitude 2000 m Alt humidity protection for all climates		0.85
200 Hz 1.2 Correction factor of magnetic tripping with 400 Hz 1.5 Correction factor of magnetic tripping with 60 Hz 1.5 Dimensions Depth of installed product 70 mm Width of installed product 83 mm Width of installed product 52.5 mm Frequency Frequency Frequency 50 to 60 Hz Endurance Electric endurance in number of cycles 10000 Number of mechanical operations 20000 Installation, mounting Type of top connection for modular devices with screw 17 modular devices 81 modular devices 81 modular devices 81 modular devices 17 modular devices 18 modular devices 17 modular devices 18 modular devices 18 modular devices 18 modular devices 19 modular devic		1.1
400 Hz Correction factor of magnetic tripping with 60 Hz Dimensions Depth of installed product Height of installed product Frequency Freq		1.2
Dimensions Depth of installed product 70 mm Height of installed product 83 mm Width of installed product 52.5 mm Frequency Frequency Frequency 50 to 60 Hz Endurance Electric endurance in number of cycles 10000 Number of mechanical operations 20000 Installation, mounting Type of top connection for modular devices with screw 719 to 7		1.5
Depth of installed product 83 mm Height of installed product 52.5 mm Width of installed product 52.5 mm Frequency Frequency Frequency 50 to 60 Hz Endurance Electric endurance in number of cycles 10000 Number of mechanical operations 20000 Installation, mounting Type of top connection for modular devices with screw 17 ghe of pot top connection for modular devices Blconnect Connection Connection Consessect. rigid cable 1/35mm² Connection cross-sect. rigid cable 1/35mm² Connection cross-section of input and output with screws, for massive conductors 1/25 mm² Type of connection cross section of access and exit with screws, for flexible conductor 1/25 mm² Standards Standard text En 60898-1 European directive WEEE not concerned Use conditions Operating temperature -2570 °C Degree of pollution according to IEC 60664 / IEC 60947-2 2 Class of energy limitation I²t 3 altitude 2000 m Air humidity protection for all climates		1
Height of installed product 52.5 mm Frequency Frequen	Dimensions	
Frequency Freque	Depth of installed product	70 mm
Frequency 50 to 60 Hz Endurance Electric endurance in number of cycles 10000 Number of mechanical operations 20000 Installation, mounting Type of top connection for modular devices with screw 12,8Nm 2,98nm 2,8Nm 2,8Nm 3,80m 2,8Nm 3,8Nm	Height of installed product	83 mm
Frequency 50 to 60 Hz Endurance Electric endurance in number of cycles 10000 Number of mechanical operations 20000 Installation, mounting Type of top connection for modular devices with screw 2,8Nm Type of Bottom Connection for modular devices Blconnect Connection 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 1/25 mm² Type of connection with screws, for flexible conductor 1/25 mm² Type of connection Consection of access and exit with screws, for flexible conductor 1/25 mm² Type of connection Standards Standards Standard text En 60898-1 European directive WEEE not concerned Use conditions Operating temperature -2570 °C Degree of pollution according to IEC 60664 / IEC 60947-2 Class of energy limitation I²t 3 Altitude 2000 m Air humidity protection for all climates	Width of installed product	52.5 mm
Electric endurance in number of cycles 10000 Number of mechanical operations 20000 Installation, mounting Type of top connection for modular devices with screw 17 ghtening torque 2,8Nm Type of Bottom Connection for modular devices Blconnect Connection Connection Connection 1 / 25mm² Connection cross-sect. rigid cable 1 / 35mm² Connection cross-section of input and output with screws, for massive conductors 1 / 25 mm² Type of connection cross section of access and exit with screws, for flexible conductor 1 / 25 mm² Type of connection Standards Standard text EN 60898-1 European directive WEEE not concerned Use conditions Operating temperature -2570 °C Loss of energy limitation l²t 3 Altitude 2000 m Alr humidity protection for all climates	Frequency	
Electric endurance in number of cycles 10000 Number of mechanical operations 20000 Installation, mounting Type of top connection for modular devices with screw 17ghtening torque 2,8Nm Type of Bottom Connection for modular devices Blconnect Connection 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 / 25 mm² Type of connection cross section of access and exit with screws, for flexible conductor 1 / 25 mm² Type of connection with screws Standards Standard text EN 60898-1 European directive WEEE not concerned Use conditions Operating temperature -2570 °C Loss of energy limitation l²t 3 Altitude 2000 m Air humidity protection for all climates	Frequency	50 to 60 Hz
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-sect. flexible conductor 1/25mm² Connection cross-sect. rigid cable 1/35mm² Connection cross-section of input and output with screws, for massive conductors 1/25 mm² Type of connection cross section of access and exit with screws, for flexible conductor 1/25 mm² Type of connection with screws Standards Standard text EN 60898-1 European directive WEEE not concerned Use conditions Operating temperature -2570 °C Degree of pollution according to IEC 60664 / IEC 60947-2 2 Class of energy limitation I²t 3 Altitude 2000 m Air humidity protection for modular devices with screws	Endurance	
Installation, mounting Type of top connection for modular devices with screw 2,8Nm Tightening torque 2,8Nm Type of Bottom Connection for modular devices Blconnect Connection 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 with screws, for flexible conductor 1/25 mm² Type of connection with screws Standards Standards Standard text EN 60898-1 European directive WEEE not concerned Use conditions Operating temperature -2570 °C Degree of pollution according to IEC 60664 / IEC 60947-2 2 Class of energy limitation I²t 3 Altitude 2000 m Air humidity protection for all climates	Electric endurance in number of cycles	10000
Type of top connection for modular devices Tightening torque 2,8Nm Type of Bottom Connection for modular devices Blconnect Connection 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 / 25 mm² Connection cross section of access and exit with screws, for flexible conductor Type of connection Standards Standards Standard text En 60898-1 European directive WEEE not concerned Use conditions Operating temperature -2570 °C LEC 60947-2 Class of energy limitation l²t 3 Altitude 2000 m Air humidity protection for all climates	Number of mechanical operations	20000
Tightening torque 2,8Nm Type of Bottom Connection for modular devices Blconnect 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 with screws, for flexible conductor 1/25 mm² Type of connection with screws Standards Standards Standard text EN 60898-1 European directive WEEE not concerned Use conditions Operating temperature -2570 °C Degree of pollution according to IEC 60664 / IEC 60947-2 2 Class of energy limitation I²t 3 Altitude 2000 m Air humidity protection for all climates	Installation, mounting	
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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 with screws, for flexible conductor 1 / 25 mm² Type of connection with screws Standards Standard text EN 60898-1 European directive WEEE not concerned Use conditions Operating temperature -2570 °C Degree of pollution according to IEC 60664 / IEC 60947-2 2 Class of energy limitation I²t 3 Altitude 2000 m Air humidity protection for all climates	Tightening torque	2,8Nm
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 with screws, for flexible conductor 1 / 25 mm² Type of connection with screws Standards Standard text EN 60898-1 European directive WEEE not concerned Use conditions Operating temperature -2570 °C Degree of pollution according to IEC 60664 / IEC 60947-2 2 Class of energy limitation I²t 3 Altitude 2000 m Air humidity protection for all climates		Blconnect
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 with screws, for flexible conductor 1 / 25 mm² Type of connection with screw Standards Standard text EN 60898-1 European directive WEEE not concerned Use conditions Operating temperature -2570 °C Degree of pollution according to IEC 60664 / IEC 60947-2 2 Class of energy limitation I²t 3 Altitude 2000 m Air humidity protection for all climates	Connection	
Connection cross-section of input and output with screws, for massive conductors Connection cross section of access and exit with screws, for flexible conductor Type of connection Standards Standards Standard text EN 60898-1 European directive WEEE not concerned Use conditions Operating temperature Degree of pollution according to IEC 60664 / IEC 60947-2 Class of energy limitation I²t Altitude Air humidity protection 1 / 25 mm² 1 / 25 mm² 1 / 25 mm² 2 m² 1 / 25 mm² 2 m² 3 m² 4 lititude 2 000 m² Air humidity protection for all climates	Connection cross-sect. flexible conductor	1 / 25mm²
output with screws, for massive conductors Connection cross section of access and exit with screws, for flexible conductor Type of connection Standards Standards Standard text EN 60898-1 European directive WEEE not concerned Use conditions Operating temperature Class of energy limitation I²t Altitude Air humidity protection 1 / 25 mm² 1 / 25 mm² 1 / 25 mm² 2 EN 60898-1 EN 60898-1 EN 60898-1 2 Sundard text EN 60898-1 EN 60898-1 Sundard text Sundar	Connection cross-sect. rigid cable	1 / 35mm²
with screws, for flexible conductor 1 / 25 mm² Type of connection with screw Standards Standard text EN 60898-1 European directive WEEE not concerned Use conditions Operating temperature -2570 °C Degree of pollution according to IEC 60664 / IEC 60947-2 2 Class of energy limitation I²t 3 Altitude 2000 m Air humidity protection for all climates	· · · · · · · · · · · · · · · · · · ·	1 / 35 mm²
Standards Standard text EN 60898-1 European directive WEEE not concerned Use conditions Operating temperature Degree of pollution according to IEC 60664 / IEC 60947-2 Class of energy limitation I²t Altitude Air humidity protection EN 60898-1 not concerned 2570 °C 2 2		1 / 25 mm²
Standard text EN 60898-1 European directive WEEE not concerned Use conditions Operating temperature -2570 °C Degree of pollution according to IEC 60664 / IEC 60947-2 2 Class of energy limitation I²t 3 Altitude 2000 m Air humidity protection for all climates	Type of connection	with screw
European directive WEEE not concerned Use conditions Operating temperature -2570 °C Degree of pollution according to IEC 60664 / IEC 60947-2 2 Class of energy limitation I²t 3 Altitude 2000 m Air humidity protection for all climates	Standards	
Use conditions Operating temperature -2570 °C Degree of pollution according to IEC 60664 / IEC 60947-2 2 Class of energy limitation I²t 3 Altitude 2000 m Air humidity protection for all climates	Standard text	EN 60898-1
Operating temperature -2570 °C Degree of pollution according to IEC 60664 / IEC 60947-2 2 Class of energy limitation I²t 3 Altitude 2000 m Air humidity protection for all climates	European directive WEEE	not concerned
Degree of pollution according to IEC 60664 / IEC 60947-2 2 Class of energy limitation I²t 3 Altitude 2000 m Air humidity protection for all climates	Use conditions	
IEC 60947-2 Class of energy limitation I²t Altitude Air humidity protection 2 2 2 2 3 Altitude 2000 m for all climates	Operating temperature	-2570 °C
Altitude 2000 m Air humidity protection for all climates		2
Air humidity protection for all climates		
, , ,	Altitude	2000 m
	Air humidity protection	for all climates
2500 C	Storage/transport temperature	