

MBN125W

MCB 1P 6kA B-25A 1M

Technical properties

Rated short-circuit breaking capacity Icn under 230 V AC according to IEC 60898-1 6 kA Rated current -15°C 31.8 A Rated current -10°C 31. A Rated current -5°C 30.3 A Rated current 40°C 29.5 A Rated current 10°C 28.7 A Rated current 10°C 28. A Rated current 25°C 27. 2 A Rated current 25°C 25. 7 A Rated current 35°C 24.1 A Rated current 35°C 24.1 A Rated current at 40°C 23.4 A Rated current at 45°C 22.6 A Rated current 35°C 21.8 A Rated current 55°C 19.5 A Rated current 55°C 19.5 A Rated current 55°C 19.5 A Rated brought 5°C 18.8 A Architecture 19.5 A Type of pole 1P Curve B Capacity 1 Number of modules	Electric current	
under 230 V AC according to IEC 60898-1 6 KA Rated current -15°C 31.8 A Rated current -10°C 31.A Rated current -5°C 30.3 A Rated current at 0°C 29.5 A Rated current 10°C 28.A Rated current 15°C 27.2 A Rated current 25°C 26.4 A Rated current 30°C 25.7 A Rated current 30°C 25.A Rated current 35°C 24.1 A Rated current at 40°C 23.4 A Rated current at 55°C 21.8 A Rated current at 50°C 21.8 A Rated current 60°C 20.3 A Rated current 60°C 20.3 A Rated current 70°C 18.8 A Architecture B Type of pole 1.P Curve B Capacity 6 Number of modules 1 Main electrical attributes 1 Rated short-circuit breaking capacity icn AC 6 according to IEC 60898-1 6 kA Nominal tightening torque top terminal <	Rated current	25 A
Rated current -10°C 31. A Rated current -5°C 30.3 A Rated current at 0°C 29.5 A Rated current 5°C 28.7 A Rated current 10°C 28.8 A Rated current 15°C 27.2 A Rated current 25°C 27.2 A Rated current 25°C 27.2 A Rated current 30°C 25.7 A Rated current 30°C 25.7 A Rated current 35°C 24.1 A Rated current 40°C 23.4 A Rated current at 40°C 21.8 A Rated current 45°C 22.6 A Rated current 55°C 21.1 A Rated current 55°C 21.1 A Rated current 60°C 20.3 A Rated current 60°C 20.3 A Rated current 60°C 19.5 A Rated current 70°C 18.8 A Architecture Type of pole 1P Curve 8 Capacity Main electrical attributes Rated short-circuit breaking capacity Icn AC according to IEC 60898-1 6 kA Nominal tightening torque top terminal 2.80 - 2.80 Nm Nominal tightening torque down terminal 2.80 - 2.80 Nm Nominal tightening torque down terminal 2.80 - 2.80 Nm Nominal tightening torque down terminal 2.80 - 2.80 Nm Voltage Rated operational voltage Ue 230 - 400 V Type voltage supply	Rated short-circuit breaking capacity Icn under 230 V AC according to IEC 60898-1	6 kA
Rated current -5°C 30.3 A Rated current at 0°C 29.5 A Rated current 5°C 28.7 A Rated current 10°C 28. A Rated current 15°C 27.2 A Rated current at 20°C 26. A Rated current 30°C 25. A Rated current 35°C 24.1 A Rated current at 40°C 23.4 A Rated current at 45°C 21.8 A Rated current at 50°C 21.8 A Rated current 60°C 20.3 A Rated current 60°C 20.3 A Rated current 70°C 18.8 A Architecture B Type of pole 1P Curve B Capacity 1 Number of modules 1 Main electrical attributes 1 Rated short-circuit breaking capacity Icn AC according to IEC 60898-1 6 KA Nominal tightening torque top terminal 2.80 - 2.80 Nm Nominal tightening torque down terminal 2.80 - 2.80 Nm Voltage 230 - 400 V Type voltage supply AC	Rated current -15°C	31.8 A
Rated current at 0°C 29.5 A Rated current 5°C 28.7 A Rated current 10°C 28.7 A Rated current 15°C 27.2 A Rated current at 20°C 26.4 A Rated current 35°C 25.7 A Rated current 35°C 24.1 A Rated current at 40°C 23.4 A Rated current at 45°C 22.6 A Rated current 55°C 21.1 A Rated current 60°C 20.3 A Rated current 65°C 19.5 A Rated current 70°C 18.8 A Architecture B Capacity B Number of modules 1 Main electrical attributes 1 Rated short-circuit breaking capacity Icn AC according to IEC 60898-1 6 kA Nominal tightening torque top terminal 2.80 - 2.80 Nm Nominal tightening torque down terminal 2.80 - 2.80 Nm Voltage 230 - 400 V Type voltage supply AC	Rated current -10°C	31 A
Rated current 5°C 28.7 A Rated current 10°C 28 A Rated current 15°C 27.2 A Rated current at 20°C 26.4 A Rated current 25°C 25.7 A Rated current 30°C 25 A Rated current 35°C 24.1 A Rated current at 40°C 23.4 A Rated current at 50°C 21.8 A Rated current 55°C 21.1 A Rated current 60°C 20.3 A Rated current 65°C 19.5 A Rated current 70°C 18.8 A Architecture B Type of pole 1P Curve B Capacity B Number of modules 1 Main electrical attributes 1 Rated short-circuit breaking capacity Icn AC according to IEC 60898-1 6 KA Nominal tightening torque top terminal 2.80 - 2.80 Nm Nominal tightening torque down terminal 2.80 - 2.80 Nm Voltage Rated operational voltage Ue 230 - 400 V Type voltage supply AC	Rated current -5°C	30.3 A
Rated current 10°C 28 A Rated current 15°C 27.2 A Rated current at 20°C 26.4 A Rated current 25°C 25.7 A Rated current 30°C 25 A Rated current 35°C 24.1 A Rated current at 40°C 23.4 A Rated current at 50°C 21.8 A Rated current 55°C 21.1 A Rated current 60°C 20.3 A Rated current 60°C 19.5 A Rated current 70°C 18.8 A Architecture B Type of pole 1P Curve B Capacity 1 Main electrical attributes 1 Rated short-circuit breaking capacity Icn AC according to IEC 60898-1 6 KA Nominal tightening torque top terminal 2.80 - 2.80 Nm Nominal tightening torque down terminal 2.80 - 2.80 Nm Voltage Rated operational voltage Ue 230 - 400 V Type voltage supply AC	Rated current at 0°C	29.5 A
Rated current 15°C 27.2 A Rated current at 20°C 26.4 A Rated current 25°C 25.7 A Rated current 30°C 25.5 A Rated current 30°C 25.4 A Rated current 35°C 24.1 A Rated current at 40°C 23.4 A Rated current at 45°C 22.6 A Rated current at 55°C 21.1 A Rated current at 50°C 21.8 A Rated current 65°C 21.1 A Rated current 65°C 19.5 A Rated current 60°C 20.3 A Rated current 70°C 18.8 A Architecture Type of pole 1P Curve B Capacity Number of modules 1 Main electrical attributes Rated short-circuit breaking capacity Icn AC according to IEC 60898-1 6 kA Nominal tightening torque down terminal 2.80 - 2.80 Nm Nominal tightening torque down terminal 2.80 - 2.80 Nm Nominal tightening torque down terminal 2.80 - 2.80 Nm Voltage Rated operational voltage Ue 230 - 400 V Type voltage supply AC	Rated current 5°C	28.7 A
Rated current at 20°C 26.4 A Rated current 25°C 25.7 A Rated current 30°C 25.7 A Rated current 30°C 25.4 A Rated current 35°C 24.1 A Rated current at 40°C 23.4 A Rated current at 45°C 22.6 A Rated current at 50°C 21.8 A Rated current at 50°C 21.1 A Rated current 65°C 21.1 A Rated current 65°C 19.5 A Rated current 70°C 18.8 A Architecture Type of pole 1P Curve 8 Capacity Number of modules 1 Main electrical attributes Rated short-circuit breaking capacity Icn AC according to IEC 60898-1 6 kA Nominal tightening torque down terminal 2.80 - 2.80 Nm Nominal tightening torque down terminal 2.80 - 2.80 Nm Nominal tightening torque down terminal 2.80 - 2.80 Nm Voltage Rated operational voltage Ue 230 - 400 V Type voltage supply AC	Rated current 10°C	28 A
Rated current 25°C 25.7 A Rated current 30°C 25 A Rated current 35°C 24.1 A Rated current at 40°C 23.4 A Rated current at 45°C 22.6 A Rated current at 55°C 21.1 A Rated current at 50°C 21.8 A Rated current 60°C 20.3 A Rated current 65°C 19.5 A Rated current 65°C 19.5 A Rated current 70°C 18.8 A Architecture Type of pole 1P Curve 8 Capacity Number of modules 1 Main electrical attributes Rated short-circuit breaking capacity Icn AC according to IEC 60898-1 6 KA Nominal tightening torque top terminal 2.80 - 2.80 Nm Nominal tightening torque down terminal 2.80 - 2.80 Nm Nominal tightening torque down terminal 2.80 - 2.80 Nm Voltage Rated operational voltage Ue 230 - 400 V Type voltage supply AC	Rated current 15°C	27.2 A
Rated current 30°C 25 A Rated current 35°C 24.1 A Rated current at 40°C 23.4 A Rated current at 45°C 22.6 A Rated current at 50°C 21.8 A Rated current 55°C 21.1 A Rated current 60°C 20.3 A Rated current 65°C 19.5 A Rated current 70°C 18.8 A Architecture Type of pole 1P Curve B Capacity Number of modules 1 Main electrical attributes Rated short-circuit breaking capacity Icn AC according to IEC 60898-1 6 kA Nominal tightening torque top terminal 2.80 - 2.80 Nm Nominal tightening torque down terminal 2.80 - 2.80 Nm Voltage Rated operational voltage Ue 230 - 400 V Type voltage supply AC	Rated current at 20°C	26.4 A
Rated current 35°C 24.1 A Rated current at 40°C 23.4 A Rated current at 45°C 22.6 A Rated current at 55°C 21.8 A Rated current at 50°C 21.8 A Rated current 60°C 20.3 A Rated current 65°C 19.5 A Rated current 65°C 19.5 A Rated current 70°C 18.8 A Architecture Type of pole 1P Curve 8 Capacity Number of modules 1 Main electrical attributes Rated short-circuit breaking capacity Icn AC according to IEC 60898-1 6 kA Nominal tightening torque top terminal 2.80 - 2.80 Nm Nominal tightening torque down terminal 2.80 - 2.80 Nm Voltage Rated operational voltage Ue 230 - 400 V Type voltage supply AC Type voltage supply	Rated current 25°C	25.7 A
Rated current at 40°C 23.4 A Rated current at 45°C 22.6 A Rated current at 50°C 21.8 A Rated current 55°C 21.1 A Rated current 60°C 20.3 A Rated current 65°C 19.5 A Rated current 70°C 18.8 A Architecture Type of pole 1P Curve B Capacity Number of modules 1 Main electrical attributes Rated short-circuit breaking capacity Icn AC according to IEC 60898-1 6 kA Nominal tightening torque down terminal 2.80 - 2.80 Nm Nominal tightening torque down terminal 2.80 - 2.80 Nm Voltage Rated operational voltage Ue 230 - 400 V Type voltage supply AC	Rated current 30°C	25 A
Rated current at 45°C 22.6 A Rated current at 50°C 21.8 A Rated current 55°C 21.1 A Rated current 65°C 20.3 A Rated current 65°C 19.5 A Rated current 70°C 18.8 A Architecture Type of pole 1P Curve 8 Capacity Number of modules 1 Main electrical attributes Rated short-circuit breaking capacity Icn AC according to IEC 60898-1 6 kA Nominal tightening torque down terminal 2.80 - 2.80 Nm Nominal tightening torque down terminal 2.80 - 2.80 Nm Voltage Rated operational voltage Ue 230 - 400 V Type voltage supply AC	Rated current 35°C	24.1 A
Rated current at 50°C 21.8 A Rated current 55°C 21.1 A Rated current 60°C 20.3 A Rated current 65°C 19.5 A Rated current 70°C 18.8 A Architecture Type of pole 1P Curve 8 Capacity Number of modules 1 Main electrical attributes Rated short-circuit breaking capacity Icn AC according to IEC 60898-1 6 kA Nominal tightening torque down terminal 2.80 - 2.80 Nm Nominal tightening torque down terminal 2.80 - 2.80 Nm Voltage Rated operational voltage Ue 230 - 400 V Type voltage supply AC	Rated current at 40°C	23.4 A
Rated current 55°C 21.1 A Rated current 60°C 20.3 A Rated current 65°C 19.5 A Rated current 70°C 18.8 A Architecture Type of pole 1P Curve B Capacity Number of modules 1 Main electrical attributes Rated short-circuit breaking capacity Icn AC according to IEC 60898-1 6 kA Nominal tightening torque top terminal 2.80 - 2.80 Nm Nominal tightening torque down terminal 2.80 - 2.80 Nm Voltage Rated operational voltage Ue 230 - 400 V Type voltage supply AC	Rated current at 45°C	22.6 A
Rated current 60°C 20.3 A Rated current 65°C 19.5 A Rated current 70°C 18.8 A Architecture Type of pole 1P Curve B Capacity Number of modules 1 Main electrical attributes Rated short-circuit breaking capacity Icn AC according to IEC 60898-1 6 kA Nominal tightening torque top terminal 2.80 - 2.80 Nm Nominal tightening torque down terminal 2.80 - 2.80 Nm Voltage Rated operational voltage Ue 230 - 400 V Type voltage supply AC	Rated current at 50°C	21.8 A
Rated current 65°C 19.5 A Rated current 70°C 18.8 A Architecture Type of pole 1P Curve B Capacity Number of modules 1 Main electrical attributes Rated short-circuit breaking capacity Icn AC according to IEC 60898-1 6 kA Nominal tightening torque top terminal 2.80 - 2.80 Nm Nominal tightening torque down terminal 2.80 - 2.80 Nm Voltage Rated operational voltage Ue 230 - 400 V Type voltage supply AC	Rated current 55°C	21.1 A
Rated current 70°C 18.8 A Architecture Type of pole 1P Curve B Capacity Number of modules 1 Main electrical attributes Rated short-circuit breaking capacity Icn AC according to IEC 60898-1 6 kA Nominal tightening torque top terminal 2.80 - 2.80 Nm Nominal tightening torque down terminal 2.80 - 2.80 Nm Voltage Rated operational voltage Ue 230 - 400 V Type voltage supply AC	Rated current 60°C	20.3 A
Architecture Type of pole 1P Curve B Capacity Number of modules 1 Main electrical attributes Rated short-circuit breaking capacity Icn AC according to IEC 60898-1 6 kA Nominal tightening torque top terminal 2.80 - 2.80 Nm Nominal tightening torque down terminal 2.80 - 2.80 Nm Voltage Rated operational voltage Ue 230 - 400 V Type voltage supply AC	Rated current 65°C	19.5 A
Type of pole 1P Curve B Capacity Number of modules 1 Main electrical attributes Rated short-circuit breaking capacity Icn AC according to IEC 60898-1 6 kA Nominal tightening torque top terminal 2.80 - 2.80 Nm Nominal tightening torque down terminal 2.80 - 2.80 Nm Voltage Rated operational voltage Ue 230 - 400 V Type voltage supply AC	Rated current 70°C	18.8 A
Curve B Capacity Number of modules 1 Main electrical attributes Rated short-circuit breaking capacity Icn AC according to IEC 60898-1 6 kA Nominal tightening torque top terminal 2.80 - 2.80 Nm Nominal tightening torque down terminal 2.80 - 2.80 Nm Voltage Rated operational voltage Ue 230 - 400 V Type voltage supply AC	Architecture	
Capacity Number of modules 1 Main electrical attributes Rated short-circuit breaking capacity Icn AC according to IEC 60898-1 6 kA Nominal tightening torque top terminal 2.80 - 2.80 Nm Nominal tightening torque down terminal 2.80 - 2.80 Nm Voltage Rated operational voltage Ue 230 - 400 V Type voltage supply AC	Type of pole	1P
Number of modules 1 Main electrical attributes Rated short-circuit breaking capacity Icn AC according to IEC 60898-1 6 kA Nominal tightening torque top terminal 2.80 - 2.80 Nm Nominal tightening torque down terminal 2.80 - 2.80 Nm Voltage Rated operational voltage Ue 230 - 400 V Type voltage supply AC	Curve	В
Main electrical attributes Rated short-circuit breaking capacity Icn AC according to IEC 60898-1 6 kA Nominal tightening torque top terminal 2.80 - 2.80 Nm Nominal tightening torque down terminal 2.80 - 2.80 Nm Voltage Rated operational voltage Ue 230 - 400 V Type voltage supply AC	Capacity	
Rated short-circuit breaking capacity Icn AC according to IEC 60898-1 6 kA Nominal tightening torque top terminal 2.80 - 2.80 Nm Nominal tightening torque down terminal 2.80 - 2.80 Nm Voltage Rated operational voltage Ue 230 - 400 V Type voltage supply AC	Number of modules	1
according to IEC 60898-1 6 kA Nominal tightening torque top terminal 2.80 - 2.80 Nm Nominal tightening torque down terminal 2.80 - 2.80 Nm Voltage Rated operational voltage Ue 230 - 400 V Type voltage supply AC	Main electrical attributes	
Nominal tightening torque down terminal 2.80 - 2.80 Nm Voltage Rated operational voltage Ue Type voltage supply AC	Rated short-circuit breaking capacity Icn AC according to IEC 60898-1	6 kA
Voltage Rated operational voltage Ue 230 - 400 V Type voltage supply AC	Nominal tightening torque top terminal	2.80 - 2.80 Nm
Rated operational voltage Ue 230 - 400 V Type voltage supply AC	Nominal tightening torque down terminal	2.80 - 2.80 Nm
Type voltage supply AC	Voltage	
	Rated operational voltage Ue	230 - 400 V
Rated insulation voltage Ui 500 V	Type voltage supply	AC
	Rated insulation voltage Ui	500 V

83 mm

70 mm

17.50 mm

Frequency	
Frequency	50 - 60 Hz
Connection	
Cross-section of input and output with screws, for massive conductors	1 - 35 mm²
Cross-section of input and output with screws, for flexible conductors	1 - 25 mm²
Cross-section of input with screws, for flex- ible conductors	1 - 25 mm²
Cross-section of input with screws, for massive conductors	1 - 35 mm²
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 I²t	3
Air humidity protection	For all climates
Operating temperature	-25 - 70 °C
Power	
Total power loss under IN	3 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

Width

Depth