

10 ms



HHA101Z

Moulded Case Circuit Breaker h3 x160 TM FIX 4P4D 100A 25kA CTC

Technical characteristics

Rated current	100 A
Rated ultimate short-circuit breaking capa- city Icu under 400 V AC IEC 60947-2	25 kA
Rated ultimate short-circuit breaking capa- city Icu under 240 V AC IEC 60947-2	35 kA
Rated service breaking capacity Ics under 230 V AC according to IEC 60947-2	25 kA
Rated service breaking capacity Ics under 400 V AC according to IEC 60947-2	20 kA
Rated current 10°C according to IEC 60947	120.50 A
Rated current 15°C according to IEC 60947	118.10 A
Rated current 20°C according to IEC 60947	115.70 A
Rated current 25°C according to IEC 60947	113.20 A
Rated current 30°C according to IEC 60947	110.70 A
Rated current at 35°C according to IEC 60947	108.10 A
Rated current at 40°C according to IEC 60947	105.50 A
Rated current 45°C according to IEC 60947	102.70 A
Rated current 50°C according to IEC 60947	100 A
Rated current 55°C according to IEC 60947	97.10 A
Rated current at 60°C according to IEC 60947	94.10 A
Rated current 65°C according to IEC 60947	91.10 A
Rated current 70°C according to IEC 60947	87.90 A

Architecture

Number of poles	4
Control/operation element	Toggle
Device construction type	Fixed built-in

Tripping

Response time when opening

Frequency

Frequency	50 - 60 Hz
Voltage	
Rated impulse withstand voltage Uimp	8,000 V
Rated insulation voltage Ui	690 V

Rated insulation voltage Ui

Power Total power loss under IN 39 W Endurance 1,000 Electric endurance in number of cycles 1,000 Number of mechanical operations 4,000 Safety 1 Ingress Protection (IP) class IP4x Connection 4 - 70 mmi Cross-section flexible conductor 4 - 95 mmi Connectivity 1 Type of connection Screw termina Settings 1 Thermal protection knob setting xIN 1, 1 Dimensions 130 mm Height 130 mm Width 100 mm Depth 68 mm Connection Position Yes Munting-/Connection Position Fromi	Functions	
Total power loss under IN 39 W Endurance 1,000 Electric endurance in number of cycles 1,000 Number of mechanical operations 4,000 Safety 1 Ingress Protection (IP) class IP42 Connection 1 Cross-section flexible conductor 4 - 70 mm Cross-section rigid conductor 4 - 95 mm Connectivity 1 Type of connection Screw termina Settings 1,1 Dimensions 1,100 mm Width 100 mm Depth 68 mm Compatibility Yes Suitable for DIN Rail Yes Installation, mounting Fron Mounting-/Connection Position Fron	Trip unit	TM F/ł
Endurance 1,000 Number of mechanical operations 4,000 Safety 1 Ingress Protection (IP) class IP43 Connection 1 Cross-section flexible conductor 4 - 70 mm Cross-section rigid conductor 4 - 95 mm Connectivity 1 Type of connection Screw termina Settings 1 Thermal protection knob setting xIN 1, 1 Dimensions 130 mm Width 1000 mm Depth 68 mm Compatibility Yes Suitable for DIN Rail Yes Installation, mounting Yes Main electrical attributes Fron	Power	
Electric endurance in number of cycles 1,000 Number of mechanical operations 4,000 Safety Ingress Protection (IP) class IP43 Connection Cross-section flexible conductor 4 - 70 mm Cross-section rigid conductor 4 - 95 mm Connectivity Type of connection Screw termina Settings Thermal protection knob setting xIN 1, : Dimensions Height 130 mn Uidth 100 mn Depth 68 mn Compatibility Suitable for DIN Rail Yet Installation, mounting Mounting-/Connection Position From Main electrical attributes	Total power loss under IN	39 V
Number of mechanical operations 4,000 Safety IP40 Ingress Protection (IP) class IP40 Connection 4 - 70 mm Cross-section flexible conductor 4 - 70 mm Cross-section rigid conductor 4 - 95 mm Connectivity 1 - 95 mm Connectivity 1 - 95 mm Connectivity 1 - 95 mm Type of connection Screw termina Settings 1 Thermal protection knob setting xIN 1, 1 Dimensions 100 mm Height 130 mm Width 100 mm Depth 68 mm Compatibility Suitable for DIN Rail Yet Installation, mounting Mounting-/Connection Position Fron	Endurance	
Safety Ingress Protection (IP) class IP4) Connection IP4) Connection IP4) Cross-section flexible conductor 4 - 70 mm Cross-section rigid conductor 4 - 95 mm Connectivity IP4) Type of connection Screw termina Settings IP4) Thermal protection knob setting xIN 1, 1 Dimensions IP4) Height 130 mm Width 100 mm Depth 68 mm Compatibility Yes Installation, mounting Yes Installation, mounting Fron Main electrical attributes Fron	Electric endurance in number of cycles	1,000
Ingress Protection (IP) class IP43 Connection Cross-section flexible conductor 4 - 70 mm Cross-section rigid conductor 4 - 95 mm Connectivity Type of connection Screw termina Settings Thermal protection knob setting xIN 1, 1 Dimensions Height 130 mm Width 100 mm Depth 68 mm Compatibility Suitable for DIN Rail Yes Installation, mounting Mounting-/Connection Position From Main electrical attributes	Number of mechanical operations	4,000
Connection 4 - 70 mm Cross-section flexible conductor 4 - 95 mm Connectivity 1 - 95 mm Connectivity 1 - 95 mm Type of connection Screw termine Settings 1 - 70 mm Thermal protection knob setting xIN 1 - 70 mm Dimensions 1 - 70 mm Height 1 - 70 mm Width 1 - 70 mm Depth 68 mm Compatibility Ye Suitable for DIN Rail Ye Installation, mounting Ye - 70 mm Mounting-/Connection Position Fron	Safety	
Cross-section flexible conductor 4 - 70 mm Cross-section rigid conductor 4 - 95 mm Connectivity Type of connection Settings Screw termina Settings 1, 1 Dimensions 1, 1 Height 130 mm Width 100 mm Depth 68 mm Compatibility Yes Suitable for DIN Rail Yes Installation, mounting Fron Main electrical attributes Fron	Ingress Protection (IP) class	IP4>
Cross-section rigid conductor 4 - 95 mm Connectivity Type of connection Screw termina Settings Thermal protection knob setting xIN 1, : Dimensions Height 130 mm Width 100 mm Depth 68 mm Compatibility Suitable for DIN Rail Yes Installation, mounting Mounting-/Connection Position From Main electrical attributes	Connection	
Connectivity Type of connection Screw terminal Settings Image: Setting xIN Thermal protection knob setting xIN 1, 1 Dimensions Image: Setting xIN Height 130 mm Width 100 mm Depth 68 mm Compatibility Suitable for DIN Rail Mounting-/Connection Position Fron Main electrical attributes Fron	Cross-section flexible conductor	4 - 70 mm
Type of connection Screw termina Settings Installation, mounting Thermal protection knob setting xIN 1, 1 Dimensions 1, 1 Height 130 mm Width 100 mm Depth 68 mm Compatibility Yes Installation, mounting Yes Mounting-/Connection Position Fron	Cross-section rigid conductor	4 - 95 mm
Settings Thermal protection knob setting xIN Dimensions Height 130 mm Width 100 mm Depth 68 mm Compatibility Suitable for DIN Rail Suitable for DIN Rail Yes Installation, mounting Fron Main electrical attributes Suitable Suitab	Connectivity	
Thermal protection knob setting xIN 1, 1 Dimensions 130 mm Height 130 mm Width 100 mm Depth 68 mm Compatibility Suitable for DIN Rail Suitable for DIN Rail Yes Installation, mounting Fron Main electrical attributes Fron	Type of connection	Screw termina
Dimensions Height 130 mm Width 100 mm Depth 68 mm Compatibility Suitable for DIN Rail Suitable for DIN Rail Yes Installation, mounting Fron Main electrical attributes Fron	Settings	
Height 130 mm Width 100 mm Depth 68 mm Compatibility Suitable for DIN Rail Suitable for DIN Rail Yes Installation, mounting Fron Mounting-/Connection Position Fron Main electrical attributes Fron	Thermal protection knob setting xIN	1, 3
Width 100 mm Depth 68 mm Compatibility Suitable for DIN Rail Suitable for DIN Rail Yes Installation, mounting Mounting-/Connection Position Main electrical attributes Fron	Dimensions	
Depth 68 mm Compatibility Suitable for DIN Rail Yes Installation, mounting Mounting-/Connection Position From Main electrical attributes	Height	130 mm
Compatibility Suitable for DIN Rail Yes Installation, mounting Mounting-/Connection Position Fron Main electrical attributes	Width	100 mm
Suitable for DIN Rail Yes Installation, mounting Mounting-/Connection Position Fron Main electrical attributes	Depth	68 mn
Installation, mounting Mounting-/Connection Position From Main electrical attributes	Compatibility	
Mounting-/Connection Position Fron Main electrical attributes	Suitable for DIN Rail	Ye
Main electrical attributes	Installation, mounting	
	Mounting-/Connection Position	Fron
Magnetic protection trip time 0 - 0 ms	Main electrical attributes	
	Magnetic protection trip time	0 - 0 ms