



## **Technical characteristics**

Moulded Case Circuit Breaker h3 x160 TM FIX 1P1D 100A 25kA CTC

## Architecture

Neutral position	without neutral
Number of protected poles	1
Number of poles	1 P
Type of pole	1P1D
Functions	
Trip Unit	TM F/F
With integrated earth leakage fault protection	No
Concurrently switching N-neutral	No
Controls and indicators	
Motor drive integrated	No
Main electrical features	
Rated operational voltage Ue	220 / 240 V
Frequency	50/60 Hz
Voltage	
Rated insulation voltage	690 V
Rated impulse withstand voltage	8 kV
With under voltage release	No
Electric current	
Rated current	100 A
Thermal protection nob setting xIN	1
Rating current 10°C according to IEC 60947	122.2 A
Rating current 15°C according to IEC 60947	119.7 A
Rating current 20°C according to IEC 60947	117 A
Rating current 25°C according to IEC 60947	114.4 A
Rating current 30°C according to IEC 60947	111.6 A
Rating current 35°C according to IEC 60947	108.8 A
Rating current 40°C according to IEC 60947	106 A
Rating current 45°C according to IEC 60947	103 A
Rating current 50°C according to IEC 60947	100 A
Rating current 55°C according to IEC 60947	96.8 A
Rating current 60°C according to IEC 60947	93.6 A
Rating current 65°C according to IEC 60947	90.2 A
Rating current 70°C according to IEC 60947	86.7 A

Rated ultimate short-circuit breaking capacity lot under 230V AC IEC 60947-2  Rated ultimate short-circuit breaking capacity lot under 240V AC IEC 60947-2  Range of the thermal adjustment  Rated ultimate short-circuit breaking capacity lot under 240V AC IEC 60947-2  Expansions  Depth of installed product  Beight of installed product  Beight of installed product  Beight of installed product  Brequency  Frequency  Fr	Breaking capacity on 1 pole for IT 230V NF 60947-2	25 k <i>A</i>
capacity Icu under 240V AC IEC 60947-2 Range of the thermal adjustment Rated ultimate short-circuit breaking capacity Icu under 220V AC IEC 60947-2  25 kg  Dimensions  Depth of installed product Relight of installed pro	Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2	25 k <i>A</i>
Rated ultimate short-circuit breaking capacity Icu under 220V AC IEC 60947-2 25 kg  Dimensions  Depth of installed product 68 mm Height of installed product 25 mm Width of installed product 25 mm  Frequency 50 to 60 H  Power  Total power loss under IN 8.4 w Power loss per pole at in 8.4 w  Endurance Electric endurance in number of cycles 1000 Number of mechanical operations 4000  Connection 7.7ye of connection with screw 5.5ttings  Range of the magnetic adjustment 1500 A  Equipment Number of auxiliary contacts as normally consect ornact (Connectical Contact Co	Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2	25 k <i>A</i>
Dimensions Depth of installed product 68 mm Height of installed product 130 mm Width of installed product 25 mm Frequency 50 to 60 H Power Total power loss under IN 8.4 W Power loss per pole at In 8.4 W Endurance Electric endurance in number of cycles 1000 Number of mechanical operations 4000 Connection Type of connection with screw Settings Range of the magnetic adjustment 1500 / Equipment Number of auxiliary contacts as normally closed contact (1000 mm) Number of auxiliary contacts as change-over contact (1000 mm) Can be accessorized Yes Standards Standards Standards Standards Standards Standard text IEC 60947-3 Safety REACH conform Yes ROHS conform Yes ROHS conform Yes Halogen free No Use conditions	Range of the thermal adjustment	100 A
Depth of installed product Height of installed product 130 mm Width of installed product 25 mm Frequency Frequency Frequency  Fower Total power loss under IN Power loss per pole at In Endurance Electric endurance in number of cycles Number of mechanical operations  Connection Type of connection with screw Settings Range of the magnetic adjustment  Equipment Number of auxiliary contacts as normally closed contact Number of auxiliary contacts as normally open contact Can be accessorized  Yes Standards Standards Standards Standards Standards Standard text  IEC 60947-3  Sections  Lec conditions  Degree of pollution according to IEC 60664 / IEC 60947-2  IEC 60947-2  IEC 60947-2  IEC 60947-2	Rated ultimate short-circuit breaking capacity Icu under 220V AC IEC 60947-2	25 k <i>A</i>
Height of installed product 25 mm Width of installed product 25 mm  Frequency Frequency Frequency 50 to 60 H  Power Total power loss under IN 8.4 W  Endurance Electric endurance in number of cycles 1000 Number of mechanical operations 4000  Connection Type of connection with screw  Settings Range of the magnetic adjustment 1500 A  Equipment Number of auxiliary contacts as normally closed contact Number of auxiliary contacts as normally open contact Can be accessorized Yes  Standards Standard	Dimensions	
Width of installed product 25 mm  Frequency 50 to 60 Hm  Power  Total power loss under IN 8.4 W Power loss per pole at In 8.4 W  Endurance  Electric endurance in number of cycles 1000 Number of mechanical operations 4000  Connection  Type of connection with screw  Settings  Range of the magnetic adjustment 1500 A  Equipment Number of auxiliary contacts as normally closed contact (a) Consecutable (b) Consecutable (b) Consecutable (c) Consecutabl	Depth of installed product	68 mn
Frequency 50 to 60 Hz  Power  Total power loss under IN 8.4 Vz Power loss per pole at In 8.4 Vz  Endurance  Electric endurance in number of cycles 1000  Number of mechanical operations 4000  Connection  Type of connection with screv  Settings  Range of the magnetic adjustment 1500 Az  Equipment  Number of auxiliary contacts as normally closed contact (Can be accessorized Yes)  Standards  Standards  Standards  Standard text IEC 60947-2  Safety  REACH conform Yes  ROHS conform Yes  ROHS conform Yes  Halogen free No  Use conditions  Degree of pollution according to IEC 60664 / IEC 60947-2	Height of installed product	130 mm
Power Total power loss under IN 8.4 W Power loss per pole at In 8.4 W Power loss per pole at In 8.4 W  Endurance Electric endurance in number of cycles 1000 Number of mechanical operations 4000  Connection Type of connection with screw  Settings Range of the magnetic adjustment 1500 W  Equipment Number of auxillary contacts as normally closed contact (1000 Number of auxillary contacts as normally open contact (1000 Number of auxillary contacts as change-over contact (1000 Can be accessorized Yes  Standards Standard text IEC 60947-2  Safety REACH conform Yes ROHS conform Yes Halogen free No  Use conditions Degree of pollution according to IEC 60664 / IEC 60947-2	Width of installed product	25 mn
Power Total power loss under IN 8.4 V Power loss per pole at In 8.4 V Power loss per pole at In 8.4 V  Endurance Electric endurance in number of cycles 1000 Number of mechanical operations 4000  Connection Type of connection with screw  Settings Range of the magnetic adjustment 1500 V  Equipment Number of auxiliary contacts as normally closed contact (1000 Number of auxiliary contacts as normally open contact (1000 Number of auxiliary contacts as change-over contact (1000 Can be accessorized Yes  Standards Standard text IEC 60947-2  Safety REACH conform Yes ROHS conform Yes Halogen free No Use conditions Degree of pollution according to IEC 60664 / IEC 60947-2	Frequency	
Total power loss under IN 8.4 V Power loss per pole at In 8.4 V  Endurance  Electric endurance in number of cycles 1000 Number of mechanical operations 4000  Connection  Type of connection with screv  Settings  Range of the magnetic adjustment 1500 A  Equipment  Number of auxiliary contacts as normally closed contact (1000 A) Number of auxiliary contacts as normally open contact (1000 A)  Number of auxiliary contacts as normally open contact (1000 A)  Standards  Standards  Standards  Standard text IEC 60947-3  Safety  REACH conform Ye Halogen free No  Use conditions  Degree of pollution according to IEC 60664 / IEC 60947-2	Frequency	50 to 60 Hz
Electric endurance in number of cycles 1000 Number of mechanical operations 4000 Connection Type of connection with screw Settings Range of the magnetic adjustment 1500 A Equipment Number of auxiliary contacts as normally closed contact (Contact) Number of auxiliary contacts as normally closed contact (Contact) Number of auxiliary contacts as change-over contact (Contact) Standards Standards Standard text IEC 60947-2 Safety REACH conform Yes Halogen free No	Power	
Electric endurance in number of cycles 1000 Number of mechanical operations 4000 Connection Type of connection with screw Settings Range of the magnetic adjustment 1500 // Equipment Number of auxiliary contacts as normally closed contact (1000 more) (1000 mo	Total power loss under IN	8.4 V
Electric endurance in number of cycles  Number of mechanical operations  Connection  Type of connection  Settings  Range of the magnetic adjustment  Equipment  Number of auxiliary contacts as normally closed contact  Number of auxiliary contacts as normally open contact  Number of auxiliary contacts as normally open contact  Number of auxiliary contacts as change-over contact  Can be accessorized  Ye  Standards  Standard text  IEC 60947-:  Safety  REACH conform  Ye  Halogen free  Number of pollution according to IEC 60664 / IEC 60947-2  Eggree of pollution according to IEC 60664 / IEC 60947-2	Power loss per pole at In	8.4 V
Number of mechanical operations  Connection  Type of connection with screw  Settings  Range of the magnetic adjustment 1500 /  Equipment  Number of auxiliary contacts as normally closed contact  Number of auxiliary contacts as normally open contact  Number of auxiliary contacts as change-over contact  Can be accessorized Yestandards  Standard text IEC 60947-3  Safety  REACH conform Ye ROHS conform Ye Halogen free Number of pollution according to IEC 60664 / IEC 60947-2	Endurance	
Connection Type of connection with screw Settings Range of the magnetic adjustment 1500 / Equipment Number of auxiliary contacts as normally closed contact (Number of auxiliary contacts as normally open contact (Number of auxiliary contacts as change-over contact (Number of auxiliary contacts as contacts as change-over contact (Number of auxiliary	Electric endurance in number of cycles	1000
Type of connection with screw  Settings  Range of the magnetic adjustment 1500 /  Equipment  Number of auxiliary contacts as normally closed contact  Number of auxiliary contacts as normally open contact  Number of auxiliary contacts as change-over contact  Can be accessorized Ye  Standards  Standards  Standard text IEC 60947-3  Safety  REACH conform Ye  RoHS conform Ye  Halogen free Number of pollution according to IEC 60664 / IEC 60947-3	Number of mechanical operations	4000
Settings  Range of the magnetic adjustment 1500 A  Equipment  Number of auxiliary contacts as normally closed contact (1500 A)  Number of auxiliary contacts as normally open contact (1500 A)  Number of auxiliary contacts as change-over contact (1500 A)  Standards  Standards  Standard text IEC 60947-1  Safety  REACH conform Ye  Halogen free No  Use conditions  Degree of pollution according to IEC 60664 A  IEC 60947-2	Connection	
Range of the magnetic adjustment  Equipment  Number of auxiliary contacts as normally closed contact  Number of auxiliary contacts as normally open contact  Number of auxiliary contacts as normally open contact  Can be accessorized  Yes  Standards  Standard text  IEC 60947-2  Bafety  REACH conform  Yes  Halogen free  No  Use conditions  Degree of pollution according to IEC 60664 / IEC 60947-2	Type of connection	with screv
Equipment  Number of auxiliary contacts as normally closed contact  Number of auxiliary contacts as normally open contact  Number of auxiliary contacts as change-over contact  Can be accessorized  Yes  Standards  Standard text  IEC 60947-3  Safety  REACH conform  Yes  RehS conform  Yes  Halogen free  No  Use conditions  Degree of pollution according to IEC 60664 / IEC 60947-2	Settings	
Number of auxiliary contacts as normally closed contact  Number of auxiliary contacts as normally open contact  Number of auxiliary contacts as change-over contact  Can be accessorized  Yes  Standards  Standard text  IEC 60947-2  Safety  REACH conform  Yes  Halogen free  No  Use conditions  Degree of pollution according to IEC 60664 / IEC 60947-2	Range of the magnetic adjustment	1500 /
closed contact  Number of auxiliary contacts as normally open contact  Number of auxiliary contacts as change-over contact  Can be accessorized  Yes  Standards  Standard text  IEC 60947-1  Safety  REACH conform  Yes  RoHS conform  Yes  Halogen free  No  Use conditions  Degree of pollution according to IEC 60664 / IEC 60947-2  IEC 60947-2	Equipment	
open contact  Number of auxiliary contacts as change- over contact  Can be accessorized  Ye.  Standards  Standard text  IEC 60947-3  Safety  REACH conform  Ye.  RoHS conform  Ye.  Halogen free  No  Use conditions  Degree of pollution according to IEC 60664 / IEC 60947-2	Number of auxiliary contacts as normally closed contact	(
over contact  Can be accessorized  Standards  Standard text  Safety  REACH conform  Ye  RoHS conform  Ye  Halogen free  No  Use conditions  Degree of pollution according to IEC 60664 / IEC 60947-2	Number of auxiliary contacts as normally open contact	(
Standards  Standard text IEC 60947-3  Safety  REACH conform Yes  RoHS conform Yes  Halogen free No  Use conditions  Degree of pollution according to IEC 60664 / IEC 60947-2	Number of auxiliary contacts as change- over contact	(
Standard text IEC 60947-2  Safety  REACH conform Ye.  RoHS conform Ye.  Halogen free No  Use conditions  Degree of pollution according to IEC 60664 / IEC 60947-2	Can be accessorized	Ye
Safety  REACH conform  Ye.  RoHS conform  Ye.  Halogen free  No  Use conditions  Degree of pollution according to IEC 60664 / IEC 60947-2	Standards	
REACH conform  Ye RoHS conform  Ye Halogen free  No Use conditions  Degree of pollution according to IEC 60664 / IEC 60947-2	Standard text	IEC 60947-
RoHS conform  Ye  Halogen free  N  Use conditions  Degree of pollution according to IEC 60664 / IEC 60947-2	Safety	
Halogen free No  Use conditions  Degree of pollution according to IEC 60664 / IEC 60947-2	REACH conform	Ye
Use conditions  Degree of pollution according to IEC 60664 / IEC 60947-2	RoHS conform	Ye
Degree of pollution according to IEC 60664 / IEC 60947-2	Halogen free	N
IEC 60947-2	Use conditions	
Altitude 2000 n	Degree of pollution according to IEC 60664 / IEC 60947-2	:
	Altitude	2000 n

temperatur

Temperature of calibration

50 °C