

Moulded Case Circuit Breaker h3 x160 TM FIX 4P4D 80A 18kA FTC

Technical Features

Electric current

Rated current	80 A
Rated ultimate short-circuit breaking capacity I _{cu} under 400 V AC IEC 60947-2	18 kA
Rated ultimate short-circuit breaking capacity I _{cu} under 240 V AC IEC 60947-2	25 kA
Rated service breaking capacity I _{cs} under 230 V AC according to IEC 60947-2	25 kA
Rated service breaking capacity I _{cs} under 400 V AC according to IEC 60947-2	18 kA
Rated current 10°C according to IEC 60947	101,90 A
Rated current 15°C according to IEC 60947	99,40 A
Rated current 20°C according to IEC 60947	96,90 A
Rated current 25°C according to IEC 60947	94,30 A
Rated current 30°C according to IEC 60947	91,60 A
Rated current at 35°C according to IEC 60947	88,80 A
Rated current at 40°C according to IEC 60947	86 A
Rated current 45°C according to IEC 60947	83 A
Rated current 50°C according to IEC 60947	80 A
Rated current 55°C according to IEC 60947	76,80 A
Rated current at 60°C according to IEC 60947	73,40 A
Rated current 65°C according to IEC 60947	70 A
Rated current 70°C according to IEC 60947	66,30 A

Architecture

Number of poles	4
-----------------	---

Tripping

Response time when opening	10 ms
----------------------------	-------

Frequency

Frequency	50 - 60 Hz
-----------	------------

Voltage

Rated impulse withstand voltage U _{imp}	8000 V
Rated insulation voltage U _i	690 V

Functions

Trip unit	TM F/F
-----------	--------

Power

Total power loss under I _N	18,90 W
---------------------------------------	---------

Endurance

Electric endurance in number of cycles	10000
Number of mechanical operations	20000

Safety

Ingress Protection (IP) class	IP4X
-------------------------------	------

Connection

Cross-section flexible conductor	4 - 70 mm ²
Cross-section rigid conductor	4 - 95 mm ²

Settings

Thermal protection knob setting xI _N	1
	1

Dimensions

Height	130 mm
Width	100 mm
Depth	68 mm

Compatibility

Suitable for DIN Rail	No
-----------------------	----

Main electrical attributes

Magnetic protection trip time	0 - 0 ms
-------------------------------	----------

Sustainability

REACH-SVHC free	Yes
-----------------	-----

RoHS conform	Yes
--------------	-----
