

## MCCB h3 x160 TM 4x63A 25kA

### Architecture

Number of protected poles	4
Number of poles	4 P
Type of pole	4P4D

### Functions

Trip Unit	TM F/F
-----------	--------

### Compatibility

Compatible with DIN rail mounting	no
-----------------------------------	----

### Controls and indicators

Motor drive integrated	no
------------------------	----

### Main electrical features

Frequency	50/60 Hz
Rated operational voltage Ue	220/415 V

### Voltage

Rated insulation voltage	690 V
Rated impulse withstand voltage	8000 V
With under voltage release	no

### Electric current

Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2	25 kA
Rated service breaking capacity Ics under 220V AC according IEC 60947-2	25 kA
Rated service breaking capacity Ics under 230V AC according IEC 60947-2	25 kA
Rated service breaking capacity Ics under 240V AC according IEC 60947-2	25 kA
Rated service breaking capacity Ics under 380V AC according IEC 60947-2	20 kA
Rated service breaking capacity Ics under 400V AC according IEC 60947-2	20 kA
Rated service breaking capacity Ics under 415V AC according IEC 60947-2	20 kA
Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2	35 kA
Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2	35 kA
Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2	25 kA
Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2	25 kA
Thermal protection nob setting xIN	1
Range of the thermal adjustment	63 A

#### Electric current / temperature

Rating current 10°C according to IEC 60947-2	76,4 A
Rating current 150°C according to IEC 60947-2	74,9 A
Rating current 20°C according to IEC 60947-2	73,3 A
Rating current 25°C according to IEC 60947-2	71,7 A
Rating current 30°C according to IEC 60947-2	70 A
Rating current 35°C according to IEC 60947-2	68,3 A
Rating current 40°C according to IEC 60947-2	66,6 A
Rating current 45°C according to IEC 60947-2	64,8 A
Rating current 50°C according to IEC 60947-2	63 A
Rating current 55°C according to IEC 60947-2	61,1 A
Rating current 60°C according to IEC 60947-2	59,1 A
Rating current 65°C according to IEC 60947-2	57,1 A
Rating current 70°C according to IEC 60947-2	55 A

#### Power

Power loss per pole at I <sub>n</sub>	7,1 W
Total power loss under I <sub>N</sub>	21,3 W

#### Endurance

Electric endurance in number of cycles	1000
Number of mechanical operations	4000

#### Dimensions

Depth of installed product	68 mm
Height of installed product	130 mm
Width of installed product	100 mm
Critical distance switching emission/earthed part bottom	40 mm
Critical distance switching emission/earthed part left	50 mm
Critical distance switching emission/earthed part right	50 mm
Critical distance switching emission/earthed part top	40 mm
Critical distance switching emission/insulated plate	30 mm
Critical distance switching emission/live part	50 mm

#### Connection

Type of connection	with screw
--------------------	------------

#### Settings

Range of the magnetic adjustment	1000 A
----------------------------------	--------

#### Equipment

Can be accessorized	yes
---------------------	-----

#### Standards

Standard text	IEC 60947-2
European directive WEEE	concerned

#### Safety

Protection index IP	IP4X
---------------------	------

**Use conditions**

Degree of pollution according to IEC 60664 / IEC 60947-2	3
Altitude	2000 m

**temperatur**

Temperature of calibration	50 °C
----------------------------	-------

Supplied by Digital Stout Innovation & Trading FZE UAE