MCCB h3 x160 TM 4x100A 25kA

Technische Merkmale

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	100 A

Electric current / temperature

Rating current 10°C according to IEC 60947-2	120,5 A
Rating current 150°C according to IEC 60947-2	118,1 A
Rating current 20°C according to IEC 60947-2	115,7 A
Rating current 25°C according to IEC 60947-2	113,2 A
Rating current 30°C according to IEC 60947-2	110,7 A
Rating current 35°C according to IEC 60947-2	108,1 A
Rating current 40°C according to IEC 60947-2	105,5 A
Rating current 45°C according to IEC 60947-2	102,7 A
Rating current 50°C according to IEC 60947-2	100 A
Rating current 55°C according to IEC 60947-2	97,1 A
Rating current 60°C according to IEC 60947-2	94,1 A
Rating current 65°C according to IEC 60947-2	91,1 A
Rating current 70°C according to IEC 60947-2	87,9 A

Power

Power loss per pole at In	13 W
Total power loss under IN	39 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	1500 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