



HDA030Z

MCCB X160 1P 18kA 32A

Technische Merkmale

Architecture

Type of order	Toggle
Type of case	Fixed built-in
Number of poles	1 P
Type of pole	1P1D

Functions

Complete device with protection unit	yes
Trip Unit	TM F/F
Integrated earth fault protection	no

Compatibility

Compatible with DIN rail mounting	no
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Controls and indicators

Motor drive integrated	no
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Main electrical features

Frequency	50/60 Hz
Rated operational voltage Ue	220/240 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	18 kA
Rated service breaking capacity Ics AC according IEC 60947-2	100 %
Breaking capacity on 1 pole with 230 V NF 60947-2	15 kA
Breaking capacity on 1 pole with 400 V NF 60947-2	9 kA
Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2	18 kA
Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2	25 kA
Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2	18 kA
Rated ultimate short-circuit breaking capacity Icu under 440V AC IEC 60947-2	15 kA
Rated ultimate short-circuit breaking capacity Icu under 690V AC IEC 60947-2	4 kA
Thermal protection nob setting xIN	1

Current correction factors

Correction factor of rating current for 2 devices placed side-by-side	1
Correction factor of rating current for 3 devices placed side-by-side	1
Correction factor of rating current for 4 and 5 devices placed side-by-side	1
Correction factor of rating current for 6 devices placed side-by-side	1

Power

Power loss per pole at I _n	3 W
Total power loss under I _N	3 W

Tripping

Trip mode	TM
Time of response when opening	10 ms

Endurance

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

Installation, mounting

Tightening torque	6 Nm
DIN rail mounting with optional adaptor	yes

Connection

Connection cross-sect. rigid cable	4 / 95 mm ²
Connection cross-sect. flexible conductor	4 / 70 mm ²
Connection	Front connection
Type of connection	with screw

Settings

Setting type I _n or I _{th}	I _N
Range of the magnetic adjustment	600 A

Equipment

Motor drive optional	no
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Use cases

Category of use	A
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Standards

Standard text	IEC 60947-2
European directive WEEE	concerned

Safety

Protection index IP	IP4X
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Use conditions

Altitude	2000 m
Storage temperature	-35 to 70 °C
Air humidity protection	for all climates