



HHA023Z

Moulded Case Circuit Breaker X160 1P 25kA 25A

Technical properties

Type of pole 1P1E Functions Complete device with protection unit Yes Trip Unit TM F/f Integrated earth fault protection Configuration Number of modules 1.5 Main electrical features Rated operational voltage Ue 220 / 240 V Frequency 50/60 H2 Voltage Rated insulation voltage Ue 220 / 240 V Frequency 50/60 H2 Voltage Rated insulation voltage Ue 84N With under voltage release NK Electric current Rated current 25 / Rated current 25 / Rated current 25 / Rated urrent 26 / Rated urre	Type of order	Toggle
Functions Complete device with protection unit Yes Trip Unit TM F/I Integrated earth fault protection No Configuration No Number of modules 1.1 Main electrical features 220 / 240 V Rated operational voltage Ue 220 / 240 V Frequency 50/60 Hz Voltage 200 / 240 V Rated insulation voltage Ue 220 / 240 V Voltage 8 Rated insulation voltage Ue 220 / 240 V Fequency 50/60 Hz Voltage 8 Rated insulation voltage Ue 220 / 240 V Features 690 A Rated insulation voltage Ue 220 / 240 V Features 8 With under voltage release No Electric current 25 / Rated utrimate short-circuit breaking capacity on 1 pole for IT 230V NF 21 / Gog47-2 21 / Preaking capacity on 1 pole for IT 240V NF 9 // Gog47-2 28 // Rated service breaking capacity Ics AC 26 // acording IEC 60947-2 </td <td>Number of poles</td> <td>1 F</td>	Number of poles	1 F
Complete device with protection unit Yes Trip Unit TM F/I Integrated earth fault protection No Configuration Number of modules Number of modules 1.5 Main electrical features 220 / 240 N Frequency 50/60 Hz Voltage 220 / 240 N Rated operational voltage Ue 220 / 240 N Frequency 50/60 Hz Voltage 8 Rated insulation voltage 690 N Rated insulation voltage release No Electric current 25 / Rated current 25 / Rated ultimate short-circuit breaking capacity Icu under 690V AC IEC 60947-2 4 k2 Thermal protection nob setting XIN 3 Breaking capacity on 1 pole for IT 230V NF 21 k2 Breaking capacity on 1 pole for IT 400V NF 9 k2 Rated duitimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2 25 k2 Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 25 k2 Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2 25 k2 Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC	Type of pole	1P1D
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		25 kA
		20 kA

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	
Total power loss under IN	4.3 W
Power loss per pole at In	4.3 W
Tripping	
Tripmode	TM
Thermal protection trip time	0 ms
Time of response when opening	10 ms
Electrical specifications	
Magnetic trip delay time	0 ms
Endurance	
Electric endurance in number of cycles	1000
Number of mechanical operations	4000
Installation, mounting	
DIN rail mounting with optional adaptator	Yes
Connection	
Connection cross-sect. flexible conductor	
	4 / 70mm²
Connection cross-sect. rigid cable	
	4 / 95mm²
Connection cross-sect. rigid cable Connection Type of connection	4 / 95mm ² Front connection
Connection Type of connection	4 / 95mm Front connection
Connection Type of connection Settings	4 / 95mm ² Front connection with screw
Connection Type of connection Settings Range of the magnetic adjustment	4 / 95mm Front connection with screw 600 A
Connection Type of connection Settings Range of the magnetic adjustment	4 / 95mm Front connection with screw 600 A
Connection Type of connection Settings Range of the magnetic adjustment Setting type In or Ith Equipment Number of auxiliary contacts as normally	4 / 95mm ² Front connection with screw 600 A
Connection Type of connection Settings Range of the magnetic adjustment Setting type In or Ith Equipment Number of auxiliary contacts as normally closed contact	4 / 95mm ² Front connection with screw 600 A IN
Connection Type of connection Settings Range of the magnetic adjustment Setting type In or Ith Equipment Number of auxiliary contacts as normally closed contact Number of auxiliary contacts as normally open contact Number of auxiliary contacts as change-	4 / 95mm ² Front connection with screw 600 A IN
Connection Type of connection Settings Range of the magnetic adjustment Setting type In or Ith 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	4 / 95mm ² Front connection with screw 600 A IN
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Connection Type of connection Settings Range of the magnetic adjustment Setting type In or Ith 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 Motor drive optional Use cases	4 / 95mm ² Front connection with screw 600 A IN C C C No
Connection Type of connection Settings Range of the magnetic adjustment Setting type In or Ith 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 Motor drive optional	4 / 95mm ² Front connection with screw 600 A IN C C C C
Connection Type of connection Settings Range of the magnetic adjustment Setting type In or Ith 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 Motor drive optional Use cases Category of use	4 / 70mm ² 4 / 95mm ² Front connection with screw 600 A 1N 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

Use conditions

Operating temperature	-2570 °C
Altitude	2000 m
Air humidity protection	for all climates
Storage/transport temperature	-3570 °C