



HNA040Z

## Moulded Case Circuit Breaker x160 3P 40kA 40A

## **Technical properties**

Type of pole 3P31 Functions Complete device with protection unit Yes Trip Unit TM F/ Integrated earth fault protection NM Configuration Number of modules 4.1: Main electrical features Rated operational voltage Ue 220 / 415 V Frequency 50/60 H: Voltage Rated insulation voltage Ue 220 / 415 V Frequency 50/60 H: Voltage Rated insulation voltage Ue 840 Voltage 840 Rated insulation voltage 840 With under voltage release 940 Rated current 400 / Rated current 400 / Rated current 400 / Rated utimate short-circuit breaking capacity Icu under 500 VAC IEC 60947-2 66 k/ Breaking capacity on 1 pole for IT 230V NF 60947-2 51 k/ Breaking capacity on 1 pole for IT 230V NF 60947-2 50 9 Rated service breaking capacity Ics AC according IEC 60947-2 85 k/ Rated service breaking capacity Ics AC according IEC 60947-2 85 k/ Rated utimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 85 k/ Rated utimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 85 k/ Rated utimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 85 k/ Rated utimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 85 k/ Rated utimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 85 k/ Rated utimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 85 k/ Rated utimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 85 k/ Rated utimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 85 k/ Rated utimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 85 k/ Rated utimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 85 k/ Rated utimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 85 k/ Rated utimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 85 k/ Rated utimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 85 k/ Rated utimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 85 k/ Rated utimate short-circuit	Type of order	Toggle
Functions         Complete device with protection unit       Yes         Trip Unit       TM F//         Integrated earth fault protection       No         Configuration       No         Number of modules       4.1         Main electrical features       220 / 415 \to         Rated operational voltage Ue       220 / 415 \to         Voltage       200 / 415 \to         Rated insulation voltage Ue       220 / 415 \to         Voltage       8         Rated insulation voltage Rese       690 \to         Rated insulation voltage release       No         Electric current       40 /         Rated ultimate short-circuit breaking capacity (ou under 690 VAC IEC 60947-2       6 k/         Thermal protection nob setting xIN       21 k         Breaking capacity on 1 pole for IT 230V NF       51 k/         Breaking capacity on 1 pole for IT 400V NF       9 k/         Rated service breaking capacity Ics AC according IEC 60947-2       85 k/         Rated ultimate short-circuit breaking capacity Ics MC according IEC 60947-2       85 k/         Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2       85 k/         Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2       85 k/         Rated ultimate short-c	Number of poles	3 F
Complete device with protection unit       Yee         Trip Unit       TM F/I         Integrated earth fault protection       Nu         Configuration       Number of modules         Number of modules       4.1         Main electrical features       220 / 415 N         Rated operational voltage Ue       220 / 415 N         Frequency       50/60 H         Voltage       8         Rated insulation voltage       690 N         Rated insulation voltage release       Nu         With under voltage release       Nu         Electric current       40 /         Rated current       40 /         Rated spacity on 1 pole for IT 230V NF       51 k/         Breaking capacity on 1 pole for IT 230V NF       51 k/         Breaking capacity on 1 pole for IT 400V NF       9 k/         Rated service breaking capacity Ics AC       50 9         according IEC 60947-2       85 k/         Rated ultimate short-circuit breaking       50 9         Rated ultimate short-circuit breaking       50 9         Rated dutimate short-circuit breaking       50 9         Rated service breaking capacity Ics AC       50 9         Rated ultimate short-circuit breaking       50 /         capacity Icu und	Type of pole	3P3D
Trip Unit       TM F/I         Integrated earth fault protection       No         Configuration       Number of modules       4.1         Main electrical features       220 / 415 N         Rated operational voltage Ue       220 / 415 N         Frequency       50/60 H         Voltage       8         Rated insulation voltage       690 N         Rated insulation voltage release       No         Electric current       40 /         Rated current esting capacity lcu under 690 VAC IEC 60947-2       6 k/         Thermal protection nob setting xIN       5         Breaking capacity on 1 pole for IT 230V NF       50/947-2         6947-2       50 k         Stead ultimate short-circuit breaking capacity lcu under 230V AC IEC 60947-2       50 k         Rated ultimate short-circuit breaking capacity lcu under 240V AC IEC 60947-2       85 k/         Rated arry icu under 240V AC IEC 60947-2       85 k/         Rated ultimate short-circuit breaking capacity lcu under 240V AC IEC 60947-2       85 k/         Rated ultimate short-circuit breaking capacity lcu under 240V AC IEC 60947-2       85 k/         Rated ultimate short-circuit breaking capacity lcu under 240V AC IEC 60947-2       85 k/         Rated ultimate short-circuit breaking capacity lcu under 240V AC IEC 60947-2       85 k/     <	Functions	
Integrated earth fault protection No Configuration Number of modules 4.1 Main electrical features Rated operational voltage Ue 220 / 415 v Frequency 50/60 H Voltage Rated insulation voltage 690 v Rated insulation voltage 8 kv With under voltage release 8 kv With under voltage release 8 kv Electric current Rated current 400 / Rated ultimate short-circuit breaking capacity lcu under 609VAC IEC 60947-2 85 kv Rated ultimate short-circuit breaking capacity lcu under 240V AC IEC 60947-2 85 kv Rated ultimate short-circuit breaking capacity lcu under 240V AC IEC 60947-2 85 kv Rated ultimate short-circuit breaking capacity lcu under 240V AC IEC 60947-2 85 kv Rated ultimate short-circuit breaking capacity lcu under 240V AC IEC 60947-2 85 kv Rated ultimate short-circuit breaking capacity lcu under 240V AC IEC 60947-2 85 kv Rated ultimate short-circuit breaking capacity lcu under 240V AC IEC 60947-2 85 kv Rated ultimate short-circuit breaking capacity lcu under 240V AC IEC 60947-2 40 kv Rated ultimate short-circuit breaking capacity lcu under 240V AC IEC 60947-2 40 kv Rated ultimate short-circuit breaking capacity lcu under 415V AC IEC 60947-2 40 kv Rated ultimate short-circuit breaking capacity lcu under 415V AC IEC 60947-2 40 kv Rated ultimate short-circuit breaking capacity lcu under 415V AC IEC 60947-2 40 kv Rated ultimate short-circuit breaking capacity lcu under 415V AC IEC 60947-2 40 kv Rated ultimate short-circuit breaking capacity lcu under 415V AC IEC 60947-2 40 kv Rated ultimate short-circuit breaking capacity lcu under 415V AC IEC 60947-2 40 kv Rated ultimate short-circuit breaking capacity lcu under 415V AC IEC 60947-2 40 kv Rated ultimate short-circuit breaking capacity lcu under 415V AC IEC 60947-2 40 kv Rated ultimate short-circuit breaking Capacity lcu under 415V AC IEC 60947-2 40 kv Rated ultimate short-circuit breaking Capacity lcu under 415V AC IEC 60947-2 40 kv Rated ultimate short-circuit breaking Capacity lcu under 415V AC IEC 60947-2 40 kv Rated ultimate short-circuit breaking Capacity lcu under 41	Complete device with protection unit	Yes
Configuration         Number of modules       4.1         Main electrical features       220 / 415 \\         Rated operational voltage Ue       220 / 415 \\         Frequency       50/60 H         Voltage       8         Rated insulation voltage       690 \\         Rated insulation voltage       8 kt         With under voltage release       No         Electric current       40 /         Rated dultimate short-circuit breaking capacity icu under 690 \       6 kl         Thermal protection nob setting xIN       1         Breaking capacity on 1 pole for IT 230V NF       50 ik         Breaking capacity on 1 pole for IT 200 V NF       9 kl         Rated service breaking capacity ics AC according IEC 60947-2       50 ik         Rated service breaking capacity ics AC according IEC 60947-2       85 kl         Rated ultimate short-circuit breaking capacity icu under 230 V AC IEC 60947-2       85 kl         Rated ultimate short-circuit breaking capacity icu under 240 V AC IEC 60947-2       85 kl         Rated ultimate short-circuit breaking capacity icu under 240 V AC IEC 60947-2       85 kl         Rated ultimate short-circuit breaking capacity icu under 240 V AC IEC 60947-2       85 kl         Rated ultimate short-circuit breaking capacity icu under 240 V AC IEC 60947-2       40 kl	Trip Unit	TM F/F
Number of modules 4.3 Main electrical features Rated operational voltage Ue 220 / 415 N Frequency 50/60 H Voltage Rated insulation voltage 090 N Rated insulation voltage 090 N Rated insulation voltage 090 N Rated impulse withstand voltage 8 kN With under voltage release NK Electric current Rated current 40 / Rated ultimate short-circuit breaking capacity Icu under 690 V AC IEC 60947-2 51 k/ Breaking capacity on 1 pole for IT 230V NF 60947-2 51 k/ Breaking capacity on 1 pole for IT 400V NF 60947-2 50 9 Rated service breaking capacity Ics AC according IEC 60947-2 85 k/ Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2 85 k/ Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2 85 k/ Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2 85 k/ Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2 85 k/ Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2 40 k/ Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2 40 k/ Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2 40 k/ Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2 40 k/ Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2 40 k/ Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2 40 k/ Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2 40 k/ Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2 40 k/ Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2 40 k/ Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2 40 k/ Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2 40 k/ Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2 40 k/ Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2 40 k/ Rated ultimate short-circuit breaking capacity Icu under 415V	Integrated earth fault protection	No
Main electrical features         Rated operational voltage Ue       220 / 415 \)         Frequency       50/60 H;         Voltage       690 \         Rated insulation voltage       690 \         Rated insulation voltage       690 \         Rated insulation voltage       640 \         Rated insulation voltage release       No         Electric current       40 /         Rated dultimate short-circuit breaking       6 k/         Capacity Icu under 690V AC IEC 60947-2       6 k/         Thermal protection nob setting xIN       3         Breaking capacity on 1 pole for IT 230V NF       51 k/         Breaking capacity on 1 pole for IT 400V NF       9 k/         Rated service breaking capacity Ics AC       50 9         according IEC 60947-2       85 k/         Rated ultimate short-circuit breaking       86 k/         Rated ultimate short-circuit breaking       <	Configuration	
Rated operational voltage Ue       220 / 415 \rightarrow         Frequency       50/60 H         Voltage       690 \rightarrow         Rated insulation voltage       690 \rightarrow         Rated insulation voltage       8 k\rightarrow         With under voltage release       No         Electric current       40 /rightarrow         Rated ultimate short-circuit breaking capacity lcu under 690V AC IEC 60947-2       6 k/rightarrow         Thermal protection nob setting xIN       21         Breaking capacity on 1 pole for IT 230V NF 60947-2       51 k/rightarrow         Breaking capacity on 1 pole for IT 230V NF 60947-2       9 k/rightarrow         Rated service breaking capacity Ics AC according IEC 60947-2       50 9         Rated service breaking capacity Ics AC according Ucu under 230V AC IEC 60947-2       85 k/rightarrow         Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2       85 k/rightarrow         Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2       85 k/rightarrow         Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2       40 k/rightarrow         Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2       40 k/rightarrow         Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2       40 k/rightarrow         Rated ul	Number of modules	4.5
Frequency       50/60 Hz         Voltage       690 V         Rated insulation voltage       690 V         Rated impulse withstand voltage       8 kV         With under voltage release       No         Electric current       40 /         Rated current       40 /         Rated current       40 /         Rated current       40 /         Rated current       40 /         Breaking capacity lcu under 690V AC IEC 60947-2       6 k/         Thermal protection nob setting xIN       1         Breaking capacity on 1 pole for IT 230V NF       51 k/         Breaking capacity on 1 pole for IT 400V NF       9 k/         Rated ultimate short-circuit breaking       200 4/         Rated service breaking capacity Ics AC       300 9         according IEC 60947-2       85 k/         Rated ultimate short-circuit breaking       200 4/	Main electrical features	
Voltage         Rated insulation voltage       690 \         Rated impulse withstand voltage       8 k         With under voltage release       No         Electric current       No         Rated ultimate short-circuit breaking capacity Icu under 690V AC IEC 60947-2       6 k/         Thermal protection nob setting xIN       1         Breaking capacity on 1 pole for IT 230V NF 60947-2       51 k/         Breaking capacity on 1 pole for IT 400V NF 60947-2       9 k/         Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2       50 9         Rated service breaking capacity Ics AC according IEC 60947-2       50 9         Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2       85 k/         Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2       85 k/         Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2       85 k/         Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2       40 k/         Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2       40 k/         Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2       40 k/         Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2       40 k/	Rated operational voltage Ue	220 / 415 V
Rated insulation voltage       690 N         Rated impulse withstand voltage       8 kN         With under voltage release       No         Electric current       40 /         Rated current       40 /         Rated ultimate short-circuit breaking capacity Icu under 690V AC IEC 60947-2       6 k/         Thermal protection nob setting xIN       5         Breaking capacity on 1 pole for IT 230V NF 60947-2       51 k/         Breaking capacity on 1 pole for IT 400V NF 60947-2       9 k/         Rated service breaking capacity Ics AC according IEC 60947-2       50 %         Rated service breaking capacity Ics AC according IEC 60947-2       85 k/         Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2       85 k/         Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2       85 k/         Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2       85 k/         Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2       40 k/         Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2       40 k/         Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2       40 k/         Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2       40 k/	Frequency	50/60 Hz
Rated impulse withstand voltage       8 kV         With under voltage release       No         Electric current       40 /         Rated current       40 /         Rated ultimate short-circuit breaking capacity Icu under 690V AC IEC 60947-2       6 k/         Thermal protection nob setting xIN       1         Breaking capacity on 1 pole for IT 230V NF 60947-2       51 k/         Breaking capacity on 1 pole for IT 400V NF 60947-2       9 k/         Rated service breaking capacity Ics AC according IEC 60947-2       50 %         Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2       85 k/         Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2       85 k/         Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2       40 k/         Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2       40 k/         Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2       40 k/         Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2       40 k/         Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2       40 k/         Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2       40 k/         Rated ultimate short-circuit breaking       40 k/         Rated ultimate shor	Voltage	
With under voltage release       No         Electric current       40 /         Rated current       40 /         Rated ultimate short-circuit breaking       6 k/         capacity Icu under 690V AC IEC 60947-2       6 k/         Thermal protection nob setting xIN       2         Breaking capacity on 1 pole for IT 230V NF       51 k/         60947-2       51 k/         Breaking capacity on 1 pole for IT 400V NF       9 k/         Rated service breaking capacity Ics AC       2         according IEC 60947-2       50 %         Rated ultimate short-circuit breaking       85 k/         Rated ultimate short-circuit breaking       85 k/         Rated ultimate short-circuit breaking       40 k/      <	Rated insulation voltage	690 V
Electric current       40 /         Rated current       40 /         Rated ultimate short-circuit breaking capacity lcu under 690V AC IEC 60947-2       6 k/         Thermal protection nob setting xIN       1         Breaking capacity on 1 pole for IT 230V NF 60947-2       51 k/         Breaking capacity on 1 pole for IT 400V NF 60947-2       9 k/         Rated service breaking capacity Ics AC according IEC 60947-2       50 %         Rated ultimate short-circuit breaking capacity lcu under 230V AC IEC 60947-2       85 k/         Rated ultimate short-circuit breaking capacity lcu under 240V AC IEC 60947-2       85 k/         Rated ultimate short-circuit breaking capacity lcu under 240V AC IEC 60947-2       40 k/         Rated ultimate short-circuit breaking capacity lcu under 400V AC IEC 60947-2       40 k/         Rated ultimate short-circuit breaking capacity lcu under 415V AC IEC 60947-2       40 k/         Rated ultimate short-circuit breaking capacity lcu under 415V AC IEC 60947-2       40 k/         Rated ultimate short-circuit breaking capacity lcu under 415V AC IEC 60947-2       40 k/         Rated ultimate short-circuit breaking capacity lcu under 415V AC IEC 60947-2       40 k/         Rated ultimate short-circuit breaking capacity lcu under 415V AC IEC 60947-2       40 k/	Rated impulse withstand voltage	8 kV
Rated current40 /Rated ultimate short-circuit breaking capacity Icu under 690V AC IEC 60947-26 k/Thermal protection nob setting xIN1Breaking capacity on 1 pole for IT 230V NF 60947-251 k/Breaking capacity on 1 pole for IT 400V NF 60947-29 k/Rated service breaking capacity Ics AC according IEC 60947-250 %Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-285 k/Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-285 k/Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-240 k/Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-240 k/Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-240 k/Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-240 k/Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-240 k/	With under voltage release	No
Rated ultimate short-circuit breaking       6 k/         Capacity Icu under 690V AC IEC 60947-2       6 k/         Thermal protection nob setting xIN       3         Breaking capacity on 1 pole for IT 230V NF       60947-2         60947-2       51 k/         Breaking capacity on 1 pole for IT 400V NF       9 k/         Rated service breaking capacity Ics AC       20 k/         according IEC 60947-2       50 %         Rated ultimate short-circuit breaking       20 k/         Rated ultimate short-circuit breaking       40 k/         Rated ultima		40.4
capacity Icu under 690V AC IEC 60947-2 6 k/ Thermal protection nob setting xIN 5 Breaking capacity on 1 pole for IT 230V NF 60947-2 51 k/ Breaking capacity on 1 pole for IT 400V NF 60947-2 9 k/ Rated service breaking capacity Ics AC according IEC 60947-2 50 % Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2 85 k/ Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 85 k/ Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 85 k/ Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2 40 k/ Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2 40 k/ Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2 40 k/ Rated ultimate short-circuit breaking		40 A
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60947-251 k/Breaking capacity on 1 pole for IT 400V NF9 k/60947-29 k/Rated service breaking capacity Ics AC20 %according IEC 60947-250 %Rated ultimate short-circuit breaking20 %capacity Icu under 230V AC IEC 60947-285 k/Rated ultimate short-circuit breaking20 %capacity Icu under 240V AC IEC 60947-285 k/Rated ultimate short-circuit breaking20 %capacity Icu under 240V AC IEC 60947-285 k/Rated ultimate short-circuit breaking20 %capacity Icu under 400V AC IEC 60947-240 k/Rated ultimate short-circuit breaking20 %capacity Icu under 415V AC IEC 60947-240 k/Rated ultimate short-circuit breaking20 %capacity Icu under 415V AC IEC 60947-240 k/Rated ultimate short-circuit breaking20 %capacity Icu under 415V AC IEC 60947-240 k/Rated ultimate short-circuit breaking40 k/	Thermal protection nob setting xIN	1
60947-29 k/Rated service breaking capacity Ics AC according IEC 60947-250 %Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-285 k/Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-285 k/Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-285 k/Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-240 k/Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-240 k/Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-240 k/Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-240 k/		51 kA
according IEC 60947-250 %Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-285 k/Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-285 k/Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-240 k/Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-240 k/Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-240 k/Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-240 k/Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-240 k/		9 kA
capacity Icu under 230V AC IEC 60947-2 85 k/ Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 85 k/ Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2 40 k/ Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2 40 k/ Rated ultimate short-circuit breaking		50 %
capacity Icu under 240V AC IEC 60947-2 85 k/ Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2 40 k/ Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2 40 k/ Rated ultimate short-circuit breaking		85 kA
capacity Icu under 400V AC IEC 60947-2 40 k/ Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2 40 k/ Rated ultimate short-circuit breaking		85 kA
capacity Icu under 415V AC IEC 60947-2 40 k/ Rated ultimate short-circuit breaking		40 kA
		40 kA
	Rated ultimate short-circuit breaking capacity Icu under 440V AC IEC 60947-2	25 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	11 W
Power loss per pole at In	3.7 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	
Connection cross-sect. rigid cable Connection	4 / 70mm² 4 / 95mm² Front connection
	4 / 95mm <sup>2</sup> Front connectior
Connection Type of connection	4 / 95mm <sup>2</sup> Front connectior
Connection Type of connection Settings	4 / 95mm <sup>2</sup> Front connection with screw
Connection	4 / 95mm <sup>2</sup> Front connection with screw 600 A
Connection Type of connection Settings Range of the magnetic adjustment Setting type In or Ith	4 / 95mm <sup>2</sup> 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 <sup>2</sup> 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 Number of auxiliary contacts as normally	4 / 95mm <sup>2</sup> 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 <sup>2</sup> 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 <sup>2</sup> Front connection with screw 600 A IN
Connection Type of connection Settings Range of the magnetic adjustment	4 / 95mm <sup>2</sup>
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 <sup>2</sup> 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
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 <sup>2</sup> 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 Motor drive optional Use cases Category of use	4 / 95mr Front connection with screen 600

## **Use conditions**

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