



HNA041Z

Moulded Case Circuit Breaker x160 4P 40kA 40A

Technical properties

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Type of order	Toggle
Number of poles	4 P
Type of pole	4P4D
Functions	
Complete device with protection unit	Yes
Trip Unit	TM F/F
Integrated earth fault protection	No
Configuration	
Number of modules	6
Main electrical features	
Rated operational voltage Ue	220 / 415 V
Frequency	50/60 Hz
Voltage	
Rated insulation voltage	690 V
Rated impulse withstand voltage	8 kV
With under voltage release	No
Electric current	
Rated current	40 A
Rated ultimate short-circuit breaking capacity Icu under 690V AC IEC 60947-2	6 kA
Thermal protection nob setting xIN	1
Thermal setting current on neutral pole	1 In
Breaking capacity on 1 pole for IT 230V NF 60947-2	51 kA
Breaking capacity on 1 pole for IT 400V NF 60947-2	9 kA
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 kA
Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2	85 kA
Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2	40 kA
Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2	40 kA

	Rated ultimate short-circuit breaking capacity Icu under 440V AC IEC 60947-2	25 kA
	Current correction factors	
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 Tripping Tripmode TM Thermal protection trip time 0 ms Time of response when opening 10 ms Electrical specifications Electrical specifications Electric endurance in number of cycles 1000 Number of mechanical operations 4000 Installation, mounting DIN rall mounting with optional adaptator Yes Connection Connection cross-sect. rigid cable 4 / 95mm² Connection Front connection 7 yes of connection with screw Settings Range of the magnetic adjustment 600 A Setting type In or Ith In No Equipment Number of auxiliary contacts as normally open contact Unumber of auxiliary contacts as change-over contact Number of auxiliary contacts as change-over contact Onconcution Consection 0 A Source of auxiliary contacts as change-over contact Onconcution of Contacts as change-over contact Onconcution of Contacts as change-over contact Onconcution of auxiliary contacts as change-over contact Onconcution of Contacts as change-over contact Onconcution of Contact of Contact Onconcut Contact Contact Onconcut Contact C	3	1
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Category of use A	Use cases	
	Category of use	А

Standards Standard text IEC 60947-2 Use conditions Altitude 2000 m Air humidity protection for all climates