Product datasheet

Specifications

Green Premium™

CIRCUIT BREAKER, IEC 12.5A NEH MAG TRIP

28103

Discontinued on: 20 Jul 2021

Discontinued

Main

Range Of Product	NS80H-MA
Product Or Component Type	Circuit breaker
Device Short Name	Compact NS80H
Circuit Breaker Name	Compact NS80H
Device Application	Motor
Poles Description	3P
Protected Poles Description	3t
Network Type	AC
Network Frequency	50/60 Hz
[In] Rated Current	80 A at 65 °C
[Ui] Rated Insulation Voltage	750 V AC 50/60 Hz conforming to IEC 60947-2
[Uimp] Rated Impulse Withstand Voltage	8 kV conforming to IEC 60947-2
[Ue] Rated Operational Voltage	690 V AC 50/60 Hz conforming to IEC 60947-2
Breaking Capacity Code	H
Breaking Capacity	10 kA at 600 V AC 50/60 Hz conforming to NEMA AB1 100 kA at 240 V AC 50/60 Hz conforming to NEMA AB1 65 kA at 480 V AC 50/60 Hz conforming to NEMA AB1 100 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 25 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 25 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 6 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 65 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 70 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] Rated Service Breaking Capacity	100 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 25 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2 25 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2 6 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 65 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 70 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2
Suitability For Isolation	Yes conforming to IEC 60947-2
Utilisation Category	Category A
Trip Unit Name	MA
Trip Unit Technology	Magnetic
Trip Unit Rating	12.5 A
Protection Type	Short-circuit protection (magnetic)
Pollution Degree	3 conforming to IEC 60947

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Complementary

Control Type	Toggle
Mounting Mode	Fixed
Mounting Support	Backplate
Upside Connection	Tunnel terminal
Downside Connection	Tunnel terminal
Mechanical Durability	20000 cycles
Electrical Durability	10000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-2 7000 cycles 440 V AC 50/60 Hz In conforming to IEC 60947-2
Local Signalling	Positive contact indication
Instantaneous Pick-Up Adjustment Type Ii	Adjustable
Instantaneous Pick-Up Adjustment Range	6...14 x In
Zone Selective Interlocking Zsi	Without
Earth-Leakage Protection	Without
Height	120 mm
Width	90 mm
Depth	80 mm

Environment

Standards	IEC 60947-2
Product Certifications	ASTA KEMA LCIE ASEFA
Ip Degree Of Protection	IP40 conforming to IEC 60529
Ik Degree Of Protection	IK07 conforming to EN 50102
Ambient Air Temperature For Operation	-25…70 °C
Ambient Air Temperature For Storage	-50…85 °C

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	9.5 cm
Package 1 Width	12.6 cm
Package 1 Length	16.4 cm
Package 1 Weight	978 g

Contractual warranty

Warranty	18 months

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

Transparency RoHS/REACh

Certifications & Standards

Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information