



Main

Range of product	NS80H-MA
Device short name	Compact NS80H
Circuit breaker name	Compact NS80H
Circuit breaker application	Motor protection
Poles description	3P
Protected poles description	3t
Network type	AC
Network frequency	50/60 Hz
[In] rated current	80 A (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
Rating code	H
Breaking capacity	Icu 70 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 Icu 65 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 Icu 6 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 Icu 25 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2 Icu 25 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2 Icu 100 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 65 kA at 480 V AC 50/60 Hz conforming to NEMA AB1 100 kA at 240 V AC 50/60 Hz conforming to NEMA AB1 10 kA at 600 V AC 50/60 Hz conforming to NEMA AB1
[Ics] rated service breaking capacity	Ics 70 kA 380/415 V AC 50/60 Hz conforming to IEC 60947-2 Ics 65 kA 440 V AC 50/60 Hz conforming to IEC 60947-2 Ics 6 kA 660/690 V AC 50/60 Hz conforming to IEC 60947-2 Ics 25 kA 525 V AC 50/60 Hz conforming to IEC 60947-2 Ics 25 kA 500 V AC 50/60 Hz conforming to IEC 60947-2 Ics 100 kA 220/240 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

The information provided in this documentation contains general descriptions and/or technical characteristics of the products of the company Schneider Electric. This information is not intended to be used as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Complementary

Control type	Toggle
Mounting mode	Fixed
Mounting support	Backplate
Upside connection	Tunnel terminal
Downside connection	Tunnel terminal
Mechanical durability	20000 cycles
Electrical durability	7000 cycles 440 V AC 50/60 Hz In conforming to IEC 60947-2 10000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-2
Local signalling	Positive contact indication
Instantaneous pick-up adjustment type li	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	ASEFA ASTA KEMA LCIE
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