



Main

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| 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 (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 | 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 25 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 100 kA Icu at 220/240 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 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 |
| [Ics] rated service breaking capacity | Ics 100 kA 220/240 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 25 kA 525 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 65 kA 440 V AC 50/60 Hz conforming to IEC 60947-2 Ics 70 kA 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 | 50 A |
| Protection type | Short-circuit protection (magnetic) |

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

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|------------------|---------------------------|
| Pollution degree | 3 conforming to IEC 60947 |
|------------------|---------------------------|

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 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 |

Contractual warranty

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|-----------------|-----------|
| Warranty period | 18 months |
|-----------------|-----------|

28101 is replaced by:



Magnetic motor circuit breaker GV4LE50N

TeSys GV4 - magnetic circuit breaker - 50A 3P - with EverLink

Qty 1

Reason for Substitution: End of life | Substitution date: 06 January 2019