



Main

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|---------------------------|----------------------------|
| Range | Compact |
| Product name | Compact NSXm |
| Device short name | NSXm 160F |
| Product or component type | Circuit breaker |
| Device application | Distribution Protection |

Complementary

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|--|---|
| [In] rated current | 160 A |
| Poles description | 3P 3d |
| Control type | Toggle |
| Mounting mode | By screws for plate Clip-on for DIN rail |
| Network type | AC |
| Network frequency | 50/60 Hz |
| Breaking capacity code | F 36 kA 415 V AC |
| Breaking capacity | 85 kA at 220...240 V AC 50/60 Hz according to IEC 60947-2 36 kA at 380...415 V AC 50/60 Hz according to IEC 60947-2 35 kA at 440 V AC 50/60 Hz according to IEC 60947-2 |
| [Ue] rated operational voltage | 690 V AC 50/60 Hz according to IEC 60947-2 |
| [Ics] rated service breaking capacity | 85 kA at 220...240 V AC 50/60 Hz according to IEC 60947-2 36 kA at 380...415 V AC 50/60 Hz according to IEC 60947-2 30 kA at 500 V AC 50/60 Hz according to IEC 60947-2 |
| [Uimp] rated impulse withstand voltage | 8 kV according to IEC 60947-2 |
| [Ui] rated insulation voltage | 800 V according to IEC 60947-2 |
| Trip unit technology | Thermal-magnetic |
| Trip unit name | TM-D |
| Trip unit protection functions | LI |
| Trip unit rating | 160 A at 40 °C |

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| Protection type | Overload protection (thermal) Short-circuit protection (magnetic) |
| Long time pick-up adjustment range | 0.7...1 x I _n |
| Short-time pick-up adjustment type I _{sd} | Fixed |
| Short-time delay adjustment type | Fixed |
| Magnetic hold current | 1000 A |
| Magnetic tripping current | 1500 A |
| Suitability for isolation | Yes according to IEC 60947-2 |
| Utilisation category | Category A |
| 9 mm pitches | 9 module |
| Connection pitch | 35 mm with spreaders 27 mm without spreaders |
| Connections - terminals | Compression lug/busbar |
| Thread type | M6 |
| Thickness | Up to 8 mm |
| Tightening torque | 5 N.m for 2.5...10 mm ² 9 N.m for 16...95 mm ² |
| Local signalling | Green flag for presence of auxiliary contacts |
| Number of slots | 1 slot(s) for auxiliary switch OF 1 slot(s) for alarm switch SD 1 slot(s) for voltage release MN or MX |
| Wire stripping length | 20 mm |

Environment

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|---------------------------------------|--|
| Quality labels | CE |
| Standards | EN/IEC 60947 |
| Product certifications | CCC EAC Marine |
| Colour | Grey (RAL 7016) |
| IP degree of protection | IP40 (front cover) according to IEC 60529 |
| IK degree of protection | IK07 according to IEC 62262 |
| Pollution degree | 3 according to IEC 60947-1 |
| Ambient air temperature for operation | -25...70 °C |
| Ambient air temperature for storage | -40...85 °C |
| Operating altitude | 5000 m with derating 2000 m without derating |
| Mechanical durability | 20000 cycles according to IEC 947-1 Annex K ed 5.2 for I _n |
| Electrical durability | 10000 cycles according to IEC 947-1 Annex F ed 5.2 for I _n at 440 V |
| Height | 137 mm |
| Width | 81 mm |
| Depth | 80 mm |
| Product weight | 1.06 kg |
| Quantity per set | Set of 1 |

Offer Sustainability

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|----------------------------------|---|
| Sustainable offer status | Green Premium product |
| RoHS (date code: YYWW) | Compliant - since 1649 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity |
| REACH | Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold |
| Product environmental profile | Available Product environmental |
| Product end of life instructions | Need no specific recycling operations |