


NOARK

# Ex9SN25B4A

Thermal-magnetic Manual Motor Starter (MMS) - 1600022 - Ex9SN25 - 2.5-4A setting - class 10A - push-btn. operation

Thermal-magnetic Manual Motor Starter (MMS) / Branch protector - NOARK (Ex9SN25 series) - 2.5A...4A current setting range - Push-btn. operation - 3-poles (3P) - Thermal-Magnetic (adjustable) - IP20 - equivalent to 1600022

## Additional information

The technical information provided in the datasheet is subject to change without notice. For confirmation, please contact NOARK's product support team.

## Specifications

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|---|---|
| **Primary brand** | NOARK |
| **Main function** | Motor Protection Circuit Breaker (MPCB) |
| **Product series / family name** | Industrial controls > Manual Motor Starters (MMSs) |
| **Sub-range name** | Ex9SN25 series |
| **Network frequency** | 50/60 Hz |
| **Functions** | Thermal-magnetic Manual Motor Starter (MMS) / Branch protector |
| **Poles** | 3-poles (3P) |
| **Rated current** | 2.5A...4A current setting range |
| **Frame current rating** | 25 AF |
| **Rated power (HP)** | 1/8HP (120Vac; single-phase; UL)<br>1/3HP (240Vac; single-phase; UL)<br>1HP (240Vac; 3-phase; UL)<br>2HP (480Vac; 3-phase; UL)<br>3HP (600Vac; 3-phase; UL) |
| **Rated operating voltage (Ue)** | (AC) 230/240 V<br>(AC) 400/415 V<br>(AC) 460/480 V<br>(AC) 575/600 V |
| **Rated impulse voltage (Uimp)** | 6 kV |
| **Rated insulation voltage (Ui)** | (IEC) 690 V<br>(UL/CSA) 600 V |

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|---|---|
| **Ultimate short circuit current breaking capacity (Icu)** | 100kA (400/415Vac)<br>3kA (690Vac) |
| **Service short circuit current breaking capacity (Ics)** | 100kA (400/415Vac)<br>2.25kA (690Vac) |
| **Trip unit type** | Technology = Thermal-Magnetic (adjustable) |
| **Protection functions** | Adjustable thermal protection (Overload) Class 10A<br>Fixed threshold magnetic protection (Short-circuit) |
| **Protection settings** | Protection against thermal overload -- 2.5A...4A (adjustable)<br>Magnetic instantaneous protection against short-circuit -- 51A |
| **Operating mode** | Push-btn. operation |
| **Degree of protection** | IP20 |
| **Dimensions** | H3.6" x W1.75" x D3.74"<br>H91.3mm x W44.5mm x D94.9mm |
| **Ambient air temperature for operation** | -4...+131˚F / -20...+55 ˚C |
| **Ambient air temperature for storage** | -76...+176˚F / -60...+80 ˚C |
| **Minimum current** | 2.5 A |
| **Maximum current** | 4 A |
| **Order code / Manufacturer SKU** | Ex9SN25B4A<br>1600022 |
| **Manufacturer product status** | Commercialized |
| **Equivalent to** | 1600022 |
| **Class** | 10A |
| **Degree of pollution** | III |
| **Application type** | 2000m / 6562ft max. operating altitude |

## Benefits

Manual motor starters are electromechanical protection devices for the main circuit.
They are used mainly to switch motors manually ON/OFF and protect them fuse less against short circuit and loss-phase.
None-fuss protection with a manual motor starter saves costs, space and ensures a quick reaction under short-circuit condition, by switching off the motor within milliseconds.
Manual motor starter combinations are setup together with contactors and overload relays.
- Available with enclosed coils for protection against particle contamination
- Short-circuit protection
- Disconnect function
- Overload protection

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- Loss-phase protection
- Suitable for three and single-phase application
- Trip-free mechanism
- Clear switch position indication ON/OFF/TRIP
- Lockable handle

## Documents

NOARK - Industrial controls - Catalog.pdf

Access to all NOARK drawings

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