

NOARK

# SU40NMA

Trip unit - 1800231 - Electronic (LSIG) - basic type - 3200A frame - 24Vdc - LED display

Trip unit alone - basic type - NOARK (A32 series) - 24Vdc supply voltage - Electronic (Series 4.0 (LSIG)) trip unit - equivalent to 1800231

## 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

| | |
|---|---|
| **Primary brand** | NOARK |
| **Main function** | Trip unit |
| **Product series / family name** | Electrical protection > ACBs and disconnector switches accessories > Trip units |
| **Sub-range name** | A32 series |
| **Functions** | Trip unit alone |
| **Design** | basic type |
| **Supply voltage (DC)** | 24Vdc |
| **Display** | LED trip indicator<br>Arc flash maintenance mode display |
| **Trip unit type** | Technology = Electronic<br>Series = Series 4.0 (LSIG)<br>Protection = LSIG<br>Display = LED |
| **Protection functions** | L (Long-time protection)<br>S (Short-time protection with fixed time delay)<br>I (Instantaneous protection)<br>G (Ground fault protection) |
| **Protection settings** | L - Protection against overload -- adjustable 0.4...1 x In (2s...30s)<br>S - Protection against short-circuit with time delay -- adjustable 1.5...10 x 6Ir (0.1...0.4s; I2t or definite time)<br>I - Instantaneous protection against short-circuit -- adjustable 2...15 x In<br>G - Protection against earth fault -- adjustable at 500A-1200A (0.1...0.4s; I2t or definite time) |

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| | |
|---|---|
| **Dimensions** | H177mm x W54.1mm x D75.4mm<br>H6.97" x W2.13" x D2.97" |
| **Order code / Manufacturer SKU** | SU40NMA<br>1800231 |
| **Manufacturer product status** | Commercialized |
| **Equivalent to** | 1800231 |

## Benefits

A32 trip units offer advanced electronic protection and control for power distribution and feeder protection.
A32 trip unit's circuits and microprocessors measure electrical values against preset or user-selected parameters.
These parameters include overload, short circuit, current unbalance, and over/under voltage/frequency.
When required, A residual ground current transformer provides sensing for ground fault protection when needed.
A32 trip units offer standard LS, LSI and LSIG circuit protection functions.
A32 trip units can provide advanced functions like Digital Metering, Arc Flash Reduction Mode, and Zone Selective Interlocking.
They also offer communication capabilities for transmitting metered values and status to monitoring or control networks.
A32 trip units consist of 3 models, each offering different control, display, diagnostics, and communication options.
Each model can be ordered in one of 3 protection configurations.

Protection Configurations
- LI - Long Time-delay Overload, Instantaneous Short Circuit.
- LSI - Long Time-delay Overload, Short Time-delay Short Circuit, Instantaneous Short Circuit
- LSIG - Long Time-delay Overload, Short Time-delay Short Circuit, Instantaneous Short Circuit, Equipment Ground Fault

Features
- Microprocessor based true RMS sensing
- Discrete rotary trip setting dials
- Cause of trip LEDs
- Unit status LED
- Making / breaking protection (MCR)
- Ready-To-Close Indicator
- Available zone selective interlocking
- Available arc flash reduction mode
- Available RS-485 communications
- USB port for power & communication
- Service short circuit protection (HSISC)

## Documents

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NOARK - Power Circuit Breakers and Non-Automatic Switches - Catalog.pdf

Access to all NOARK drawings

E-PLAN - NOARK - SU40NMA - Part details

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