

NOARK

# Ex9RD93A80

Thermal overload relay (TOR) - 1410037 - Ex9RD - 93A frame - 63-80A setting - class 10A - direct mount

Thermal overload relay (TOR) - NOARK (Ex9RD series) - 63A...80A current setting range - 3-poles (3P) - 1NO+1NC (1 Normally Open + 1 Normally Closed) aux. contacts - Screw-clamp connections - Direct mounting - frame size 93AF - compatible with 40-95A Ex9CD devices - equivalent to 1410037

## 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** | Thermal Overload Relay (TOR) |
| **Product series / family name** | Industrial controls > Overload relays |
| **Sub-range name** | Ex9RD series |
| **Network frequency** | 50/60 Hz |
| **Functions** | Thermal overload relay (TOR)<br>Automatic / manual reset function<br>Temperature compensation<br>Tripping indicator<br>TEST and STOP pushbutton |
| **Poles** | 3-poles (3P) |
| **Rated current** | 63A...80A current setting range<br><br>Contacts ratings<br>2.73A rated operating current (at 220Vac; AC-15; aux. contact)<br>1.58A rated operating current (at 380Vac; AC-15; aux. contact)<br>0.2A rated operating current (at 220Vdc; DC-13; aux. contact)<br><br>Matched backup fuse ratings<br>80A (Class aM fuse)<br>125 (Class gG fuse) |
| **Rated operating voltage (Ue)** | 600 V |
| **Connection type** | Screw-clamp connections |
| **Protection functions** | Adjustable thermal protection (Overload) Class 13A<br>Phase failure protection |

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|---|---|
| **Protection settings** | Protection against thermal overload -- 63A...80A (adjustable) |
| **Mounting mode** | Direct mounting |
| **Contacts type** | 1NO+1NC (1 Normally Open + 1 Normally Closed) aux. contacts |
| **Dimensions** | frame size 93AF<br>H3.26" x W2.83" x D4.6"<br>H83mm x W72mm x D117mm |
| **Ambient air temperature for operation** | -13...+131°F / -25...+55 °C |
| **Technical compatibility with** | 40-95A Ex9CD devices |
| **Minimum current** | 63 A |
| **Maximum current** | 80 A |
| **Order code / Manufacturer SKU** | Ex9RD93A80<br>1410037 |
| **Manufacturer product status** | Commercialized |
| **Equivalent to** | 1410037 |
| **Compliant with standard(s)** | UL listed (file number E353865)<br>IEC/EN 60947-4-1<br>CE<br>CSA |
| **Class** | 10A |

## Benefits

- Rated current up to 630A at 600Vac, 50/60Hz
- Overload protection trip Class 10A
- Phase loss sensitivity
- Temperature compensation from -13 to 131 °F (-25 to +55 °C)
- Adjustable current setting for overload protection
- Automatic or manual reset selectable
- Trip-free mechanism
- Status indication
- STOP and TEST function
- Direct mount to contactors or 35mm DIN rail mounting base option

## Documents

NOARK - Industrial controls - Catalog.pdf

Access to all NOARK drawings

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