Nov 08, 2026

# Product data sheet

# HDR3S630320F

## Characteristics

**Thermal overload relay, HDR3S-630/F 230..320 A**



### Main

| | |
|---|---|
| Range of product | HDR3s |
| Product or component type | Thermal overload relay |
| Device application | Motor protection |
| Thermal protection adjustment range | 230…320 A |
| Frame size | 630A |

### Complementary

| | |
|---|---|
| Protection type | Overload<br>Phase failure |
| Reset | Automatic reset<br>Manual reset |
| Control type | Test button<br>Stop button |
| [Ith] conventional free air thermal current | 5 A |
| Local signalling | Trip indicator |
| [Ie] rated operational current | 1.57 A at 230 V AC-15<br>0.9 A at 400 V AC-15<br>0.14 A at 230 V DC-13 |
| [Ui] rated insulation voltage | 690 V |
| [Uimp] rated impulse withstand voltage | 6 kV |
| Utilisation category | AC-15<br>DC-13 |
| Poles description | 3P |
| Height | 171 mm |
| Width | 150 mm |
| Depth | 181 mm |

### Environment

| | |
|---|---|
| Installation category | III |
| Pollution degree | 3 |
| Ambient air temperature for operation | -5…40 °C |
| Ambient air temperature for storage | -25…55 °C |
| Operating altitude | 2000 m |
| Standards | IEC 60947-4-1 |
| Product certifications | CB<br>CE<br>SEMKO |

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| | |
|---|---|
| IP degree of protection | IP20 |
| Relative humidity | 0…95 % |

## Packing Units

| | |
|---|---|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |

## Offer Sustainability

| | |
|---|---|
| Sustainable packaging | No |