# Product data sheet

Specifications

Green Premium™

## Thermal overload relay,Easy TeSys DPER,9-13A,class 10

DPER16

## Main

| | |
|---|---|
| **Range** | Easy TeSys |
| **Product Name** | Easy TeSys DPER |
| **Product Or Component Type** | Thermal overload relay |
| **Device Short Name** | DPER |
| **Relay Application** | Overload protection |
| **Product Compatibility** | Contactor DPE09-38 |
| **Thermal Protection Adjustment Range** | 9…13 A |
| **Thermal Overload Class** | Class 10 IEC 60947-4-1 |
| **[Ui] Rated Insulation Voltage** | Power circuit 600 V cUL<br>Power circuit 690 V IEC 60947-4-1 |

## Complementary

| | |
|---|---|
| **Network Type** | DC<br>AC |
| **Network Frequency** | 0...400 Hz |
| **Auxiliary Contact Composition** | 1 NO + 1 NC |
| **[Ith] Conventional Free Air Thermal Current** | 5 A signalling circuit |
| **Permissible Current** | 1.5 A 240 V AC-15 signalling circuit<br>0.1 A 250 V DC-13 signalling circuit |
| **Phase Failure Sensitivity** | Tripping current 130 % of Ir on two phase, the last one at 0 |
| **Tripping Threshold** | 1.14 +/- 0.06 Ir IEC 60947-4-1 |
| **Protection Type** | BS fuse 5 A control circuit<br>GB2 circuit breaker 5 A control circuit<br>GG fuse 5 A control circuit |
| **[Ue] Rated Operational Voltage** | 690 V AC 0...400 Hz power circuit IEC 60947-4-1 |
| **[Uimp] Rated Impulse Withstand Voltage** | 6 kV |
| **Surge Withstand** | 6 kV IEC 60801-5 |
| **Dielectric Strength** | 1.89 kV 50 Hz IEC 60947-1 |
| **Control Type** | Red push-button stop<br>Blue push-button reset |
| **Mounting Support** | Separate, with specific accessories<br>Under contactor |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

| | |
|---|---|
| **Connections - Terminals** | Control circuit screw clamp terminals 2 0.00…0.00 in² (1…2.5 mm²) flexible without cable end<br>Control circuit screw clamp terminals 2 0.00…0.00 in² (1…2.5 mm²) flexible with cable end<br>Control circuit screw clamp terminals 2 0.00…0.00 in² (1…2.5 mm²) solid without cable end<br>Power circuit screw clamp terminals 1 0.00…0.01 in² (1.5…6 mm²) flexible without cable end<br>Power circuit screw clamp terminals 1 0.00…0.01 in² (1…4 mm²) flexible with cable end<br>Power circuit screw clamp terminals 1 0.00…0.01 in² (1…6 mm²) solid without cable end |
| **Tightening Torque** | Control circuit 15.05 lbf.in (1.7 N.m) screw clamp terminals<br>Power circuit 15.05 lbf.in (1.7 N.m) screw clamp terminals |
| **Height** | 2.60 in (66 mm) |
| **Width** | 1.77 in (45 mm) |
| **Depth** | 2.76 in (70 mm) |
| **Net Weight** | 0.27 lb(US) (0.124 kg) |

## Environment

| | |
|---|---|
| **Ip Degree Of Protection** | IP20 IEC 60529 |
| **Protective Treatment** | TH IEC 60068 |
| **Temperature Compensation** | -4…140 °F (-20…60 °C) |
| **Ambient Air Temperature For Operation** | -4…140 °F (-20…60 °C) without derating IEC 60947-4-1 |
| **Ambient Air Temperature For Storage** | -76…158 °F (-60…70 °C) |
| **Shock Resistance** | 15 gn 11 ms IEC 60068-2-7 |
| **Vibration Resistance** | 6 gn on plate IEC 60068-2-6 |
| **Standards** | EN/IEC 60947-4-1<br>EN/IEC 60947-5-1<br>UL 60947-4-1<br>UL 60947-5-1<br>CUL |
| **Product Certifications** | cUL |

## Packing Units

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|---|---|
| **Unit Type Of Package 1** | PCE |
| **Number Of Units In Package 1** | 1 |
| **Package 1 Height** | 1.97 in (5.0 cm) |
| **Package 1 Width** | 3.07 in (7.8 cm) |
| **Package 1 Length** | 3.54 in (9.0 cm) |
| **Package 1 Weight** | 5.08 oz (144.0 g) |
| **Unit Type Of Package 2** | S02 |
| **Number Of Units In Package 2** | 24 |
| **Package 2 Height** | 5.91 in (15.0 cm) |
| **Package 2 Width** | 11.81 in (30.0 cm) |
| **Package 2 Length** | 15.75 in (40.0 cm) |
| **Package 2 Weight** | 8.19 lb(US) (3.715 kg) |
| **Unit Type Of Package 3** | P06 |
| **Number Of Units In Package 3** | 384 |

| | |
|---|---|
| **Package 3 Height** | 31.50 in (80.0 cm) |
| **Package 3 Width** | 31.50 in (80.0 cm) |
| **Package 3 Length** | 23.62 in (60.0 cm) |
| **Package 3 Weight** | 151.62 lb(US) (68.772 kg) |

## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-$CO_2$ products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

Transparency RoHS/REACh

## Well-being performance

Mercury Free

| | |
|---|---|
| Rohs Exemption Information | Yes |

## Certifications & Standards

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|---|---|
| **Reach Regulation** | REACh Declaration |
| **Eu Rohs Directive** | Compliant with Exemptions |
| **China Rohs Regulation** | China RoHS declaration<br>Product out of China RoHS scope. Substance declaration for your information |
| **Environmental Disclosure** | Product Environmental Profile |
| **Circularity Profile** | End of Life Information |