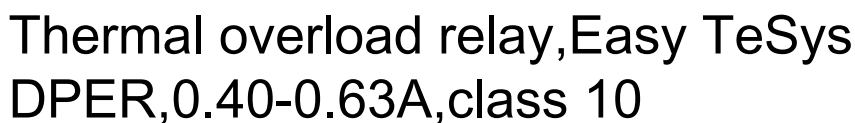


## Specifications



DPER04

|                                     |                                                              |
|-------------------------------------|--------------------------------------------------------------|
| 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               | Contactors DPE09-38                                          |
| Thermal protection adjustment range | 0.40...0.63 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 |

|                                             |                                                                                                       |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------|
| 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                         | 3 A 120 V AC-15 signalling circuit<br>0.22 A 125 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                                                                   |

**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

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Under contactor         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 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)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Product 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

|                              |                           |
|------------------------------|---------------------------|
| Unit Type of Package 1       | PCE                       |
| Number of Units in Package 1 | 1                         |
| Package 1 Height             | 3.10 in (7.87 cm)         |
| Package 1 Width              | 1.90 in (4.83 cm)         |
| Package 1 Length             | 3.50 in (8.89 cm)         |
| Package 1 Weight             | 0.31 lb(US) (0.14 kg)     |
| Unit Type of Package 2       | S02                       |
| Number of Units in Package 2 | 24                        |
| Package 2 Height             | 5.91 in (15 cm)           |
| Package 2 Width              | 11.81 in (30 cm)          |
| Package 2 Length             | 15.75 in (40 cm)          |
| Package 2 Weight             | 7.98 lb(US) (3.62 kg)     |
| Unit Type of Package 3       | P06                       |
| Number of Units in Package 3 | 384                       |
| Package 3 Height             | 30.31 in (77 cm)          |
| Package 3 Width              | 23.62 in (60 cm)          |
| Package 3 Length             | 31.50 in (80 cm)          |
| Package 3 Weight             | 154.16 lb(US) (69.924 kg) |

Offer Sustainability

|                            |                                                                                                                       |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                 |
| REACH Regulation           | <a href="#">REACH Declaration</a>                                                                                     |
| EU RoHS Directive          | Compliant<br><a href="#">EU RoHS Declaration</a>                                                                      |
| Mercury free               | Yes                                                                                                                   |
| China RoHS Regulation      | <a href="#">China RoHS declaration</a><br>Product out of China RoHS scope. Substance declaration for your information |
| RoHS exemption information | <a href="#">Yes</a>                                                                                                   |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>                                                                         |
| Circularity Profile        | <a href="#">End of Life Information</a>                                                                               |

Recommended replacement(s)