

# DPER12

Thermal overload relay, Easy TeSys  
DPER, 5.5-8 A, class 10



## 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               | Contactors DPE09-38                                          |
| Thermal protection adjustment range | 5.5...8 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Connections - terminals                     | Control circuit screw clamp terminals 2 0.00...0.00 in <sup>2</sup> (1...2.5 mm <sup>2</sup> ) flexible without cable end<br>Control circuit screw clamp terminals 2 0.00...0.00 in <sup>2</sup> (1...2.5 mm <sup>2</sup> ) flexible with cable end<br>Control circuit screw clamp terminals 2 0.00...0.00 in <sup>2</sup> (1...2.5 mm <sup>2</sup> ) solid without cable end<br>Power circuit screw clamp terminals 1 0.00...0.01 in <sup>2</sup> (1.5...6 mm <sup>2</sup> ) flexible without cable end<br>Power circuit screw clamp terminals 1 0.00...0.01 in <sup>2</sup> (1...4 mm <sup>2</sup> ) flexible with cable end<br>Power circuit screw clamp terminals 1 0.00...0.01 in <sup>2</sup> (1...6 mm <sup>2</sup> ) 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 conforming to 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                                                                         |

## Ordering and shipping details

|                   |                        |
|-------------------|------------------------|
| Category          | 22363-EASY TESYS DPER1 |
| Discount Schedule | I13                    |
| GTIN              | 3606485332475          |
| Returnability     | Yes                    |
| Country of origin | FR                     |

## Packing Units

|                              |                          |
|------------------------------|--------------------------|
| 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              | 3.03 in (7.7 cm)         |
| Package 1 Length             | 3.54 in (9.0 cm)         |
| Package 1 Weight             | 5.15 oz (146.0 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             | 8.40 lb(US) (3.81 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             | 153.31 lb(US) (69.54 kg) |

## Offer Sustainability

|                            |                                                                                                                                                                                                                                                                                             |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                                                                                                                                                                                       |
| California proposition 65  | WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |
| REACH Regulation           |  <a href="#">REACH Declaration</a>                                                                                                                                                                       |
| EU RoHS Directive          | Compliant with Exemptions                                                                                                                                                                                                                                                                   |
| Mercury free               | Yes                                                                                                                                                                                                                                                                                         |
| China RoHS Regulation      |  <a href="#">China RoHS Declaration</a>                                                                                                                                                                  |
| RoHS exemption information |  <a href="#">Yes</a>                                                                                                                                                                                     |

|                          |                                                                                                                                |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Environmental Disclosure | <a href="#"> Product Environmental Profile</a> |
| Circularity Profile      | <a href="#"> End Of Life Information</a>      |