



### 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                                                      |
| Phase failure sensitivity | Tripping current 130 % of I <sub>r</sub> on two phase, the last one at 0 |

### Complementary

|                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Network type                                             | DC<br>AC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Network Frequency                                        | 0...400 Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Mounting support                                         | Separate, with specific accessories<br>Under contactor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Thermal overload class                                   | Class 10 IEC 60947-4-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Auxiliary contact composition                            | 1 NO + 1 NC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Thermal protection adjustment range                      | 0.40...0.63 A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Tripping threshold                                       | 1.14 +/- 0.06 I <sub>r</sub> IEC 60947-4-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| [I <sub>th</sub> ] 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| [U <sub>e</sub> ] rated operational voltage              | 690 V AC 0...400 Hz power circuit IEC 60947-4-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| [U <sub>i</sub> ] rated insulation voltage               | Power circuit 600 V cUL<br>Power circuit 690 V IEC 60947-4-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| [U <sub>imp</sub> ] rated impulse withstand voltage      | 6 kV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Temperature compensation                                 | -4...140 °F (-20...60 °C)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Connections - terminals                                  | Screw clamp terminals 2 0.00...0.00 in <sup>2</sup> (1...2.5 mm <sup>2</sup> ) - flexible without cable end<br>Screw clamp terminals 2 0.00...0.00 in <sup>2</sup> (1...2.5 mm <sup>2</sup> ) - flexible with cable end<br>Screw clamp terminals 2 0.00...0.00 in <sup>2</sup> (1...2.5 mm <sup>2</sup> ) - solid without cable end<br>Screw clamp terminals 1 0.00...0.02 in <sup>2</sup> (1.5...10 mm <sup>2</sup> ) - flexible without cable end<br>Screw clamp terminals 1 0.00...0.01 in <sup>2</sup> (1...4 mm <sup>2</sup> ) - flexible with cable end<br>Screw clamp terminals 1 0.00...0.01 in <sup>2</sup> (1...6 mm <sup>2</sup> ) - solid without cable end<br>Screw clamp terminals AWG 10...AWG 18) |
| Tightening torque                                        | Control circuit 1.7 N.m screw clamp terminals<br>Power circuit 1.7 N.m screw clamp terminals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Control type                                             | Red push-button stop<br>Blue push-button reset                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 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

|                                       |                                                                             |
|---------------------------------------|-----------------------------------------------------------------------------|
| 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                                                                         |
| Protective treatment                  | TH IEC 60068                                                                |
| IP degree of protection               | IP20 conforming to IEC 60529                                                |
| 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)                                                  |
| Dielectric strength                   | 1.89 kV 50 Hz IEC 60947-1                                                   |

## Ordering and shipping details

|                       |                        |
|-----------------------|------------------------|
| Category              | 22363-EASY TESYS DPER1 |
| Discount Schedule     | I13                    |
| GTIN                  | 3606485332536          |
| Nbr. of units in pkg. | 1                      |
| Package weight(Lbs)   | 4.83 oz (137.0 g)      |
| Returnability         | Yes                    |
| Country of origin     | FR                     |

## Packing Units

|                              |                           |
|------------------------------|---------------------------|
| Unit Type of Package 1       | PCE                       |
| Package 1 Height             | 1.93 in (4.9 cm)          |
| Package 1 width              | 3.03 in (7.7 cm)          |
| Package 1 Length             | 3.46 in (8.8 cm)          |
| Unit Type of Package 2       | S02                       |
| Number of Units in Package 2 | 24                        |
| Package 2 Weight             | 7.98 lb(US) (3.62 kg)     |
| Package 2 Height             | 5.91 in (15 cm)           |
| Package 2 width              | 11.81 in (30 cm)          |
| Package 2 Length             | 15.75 in (40 cm)          |
| Unit Type of Package 3       | P06                       |
| Number of Units in Package 3 | 384                       |
| Package 3 Weight             | 154.16 lb(US) (69.924 kg) |
| Package 3 Height             | 30.31 in (77 cm)          |
| Package 3 width              | 23.62 in (60 cm)          |
| Package 3 Length             | 31.50 in (80 cm)          |

## 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 <a href="#">EU RoHS Declaration</a>                                                                                                                                                                                                                                               |
| Mercury free               | Yes                                                                                                                                                                                                                                                                                         |
| RoHS exemption information | <a href="#">Yes</a>                                                                                                                                                                                                                                                                         |
| China RoHS Regulation      | <a href="#">China RoHS Declaration</a>                                                                                                                                                                                                                                                      |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>                                                                                                                                                                                                                                               |
| Circularity Profile        | <a href="#">End Of Life Information</a>                                                                                                                                                                                                                                                     |

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