

# Product data sheet

Specifications



## Thermal overload relay, Easy TeSys DPER, 48...65A, class 10

DPER365

**Product availability : Stock - Normally stocked in distribution facility**

### Main

Range	Easy TeSys
Product name	Easy TeSys DPER
Product or Component Type	Differential thermal overload relay
Device short name	DPER
Relay application	Motor protection
Product compatibility	Contactors DPE40-65
Thermal protection adjustment range	48...65 A
Thermal overload class	Class 10 IEC 60947-4-1
[Ui] rated insulation voltage	Power circuit 600 V UL 60947-4-1 Power circuit 690 V IEC 60947-4-1

### Complementary

Network type	DC 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	0.95 A 240 V AC-15 signalling circuit 0.06 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 4 A - signalling circuit GG fuse 4 A - signalling circuit
[Ue] rated operational voltage	300 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 Blue push-button reset
Mounting support	Plate, with specific accessories

Rail, with specific accessories  
Under contactor

<b>Connections - terminals</b>	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 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 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 Power circuit screw connectors 1 0.00...0.04 in <sup>2</sup> (2.5...25 mm <sup>2</sup> ) flexible without cable end Power circuit screw connectors 1 0.00...0.04 in <sup>2</sup> (2.5...25 mm <sup>2</sup> ) flexible with cable end Power circuit screw connectors 1 0.00...0.04 in <sup>2</sup> (2.5...25 mm <sup>2</sup> ) solid without cable end
<b>Tightening torque</b>	Control circuit 15.05 lbf.in (1.7 N.m) screw clamp terminals Power circuit 44.25 lbf.in (5 N.m) screw connection 0.00...0.02 in <sup>2</sup> (2.5...16 mm <sup>2</sup> ) Power circuit 61.96 lbf.in (7 N.m) screw connection 0.02...0.04 in <sup>2</sup> (16...25 mm <sup>2</sup> )
<b>Height</b>	2.76 in (70 mm)
<b>Width</b>	2.17 in (55 mm)
<b>Depth</b>	4.84 in (123 mm)
<b>Net Weight</b>	0.83 lb(US) (0.375 kg)

## Environment

<b>IP degree of protection</b>	IP20 conforming to IEC 60529
<b>Climatic withstand</b>	IACS E10
<b>Protective treatment</b>	TH IEC 60068
<b>Temperature compensation</b>	-4...140 °F (-20...60 °C)
<b>Ambient air temperature for operation</b>	-4...140 °F (-20...60 °C) without derating IEC 60947-4-1
<b>Ambient Air Temperature for Storage</b>	-76...158 °F (-60...70 °C)
<b>Shock resistance</b>	15 gn 11 ms IEC 60068-2-7
<b>Vibration resistance</b>	4 gn on plate IEC 60068-2-6
<b>Flame retardance</b>	V1 conforming to UL 94
<b>Standards</b>	EN/IEC 60947-4-1 EN/IEC 60947-5-1 UL 60947-4-1 UL 60947-5-1 CSA C22.2 No 60947-4-1 CSA C22.2 No 60947-5-1 EN 50495
<b>Product Certifications</b>	IEC cULus

## Ordering and shipping details

<b>Category</b>	22329-TESYS GIGA CONTACTORS
<b>Discount Schedule</b>	I12
<b>GTIN</b>	3606482465459
<b>Returnability</b>	Yes

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	2.56 in (6.5 cm)
<b>Package 1 Width</b>	4.09 in (10.4 cm)
<b>Package 1 Length</b>	5.43 in (13.8 cm)
<b>Package 1 Weight</b>	13.90 oz (394 g)
<b>Unit Type of Package 2</b>	S02
<b>Number of Units in Package 2</b>	13

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	11.99 lb(US) (5.437 kg)
Unit Type of Package 3	P06
Number of Units in Package 3	208
Package 3 Height	29.53 in (75 cm)
Package 3 Width	23.62 in (60 cm)
Package 3 Length	31.50 in (80 cm)
Package 3 Weight	210.52 lb(US) (95.492 kg)

## Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Antimony oxide & Antimony trioxide, which is known to the State of California to cause cancer. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
REACH Regulation	<a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
China RoHS Regulation	<a href="#">China RoHS declaration</a> Pro-active China RoHS declaration (out of China RoHS legal scope)
RoHS exemption information	Yes
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End of Life Information</a>

## Recommended replacement(s)