

# Product data sheet

Specifications



## Thermal overload relay, Easy TeSys DPER, 1.6-2.5A, class 10

DPER07

### 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	1.6...2.5 A
Thermal overload class	Class 10 IEC 60947-4-1
[Ui] rated insulation voltage	Power circuit 600 V cUL 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	3 A 120 V AC-15 signalling circuit 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 GB2 circuit breaker 5 A control circuit 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 Blue push-button reset
Mounting support	Separate, 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 clamp terminals 1 0.00...0.01 in <sup>2</sup> (1.5...6 mm <sup>2</sup> ) flexible without cable end Power circuit screw clamp terminals 1 0.00...0.01 in <sup>2</sup> (1...4 mm <sup>2</sup> ) flexible with cable end Power circuit screw clamp terminals 1 0.00...0.01 in <sup>2</sup> (1...6 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 15.05 lbf.in (1.7 N.m) screw clamp terminals
<b>Height</b>	2.60 in (66 mm)
<b>Width</b>	1.77 in (45 mm)
<b>Depth</b>	2.76 in (70 mm)
<b>Product weight</b>	0.27 lb(US) (0.124 kg)

## Environment

<b>IP degree of protection</b>	IP20 IEC 60529
<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>	6 gn on plate IEC 60068-2-6
<b>Standards</b>	EN/IEC 60947-4-1 EN/IEC 60947-5-1 UL 60947-4-1 UL 60947-5-1 CUL
<b>Product certifications</b>	cUL

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	1.93 in (4.9 cm)
<b>Package 1 Width</b>	3.03 in (7.7 cm)
<b>Package 1 Length</b>	3.46 in (8.8 cm)
<b>Package 1 Weight</b>	4.87 oz (138.0 g)
<b>Unit Type of Package 2</b>	S02
<b>Number of Units in Package 2</b>	24
<b>Package 2 Height</b>	5.91 in (15.0 cm)
<b>Package 2 Width</b>	11.81 in (30.0 cm)
<b>Package 2 Length</b>	15.75 in (40.0 cm)
<b>Package 2 Weight</b>	8.05 lb(US) (3.653 kg)
<b>Unit Type of Package 3</b>	P06
<b>Number of Units in Package 3</b>	384
<b>Package 3 Height</b>	30.31 in (77.0 cm)
<b>Package 3 Width</b>	23.62 in (60.0 cm)
<b>Package 3 Length</b>	31.50 in (80.0 cm)
<b>Package 3 Weight</b>	160.56 lb(US) (72.827 kg)

## Offer Sustainability

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

### Recommended replacement(s)