

Product data sheet

Specifications



Thermal overload relay, Easy TeSys DPER, 16-24A, class 10

DPER22

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	Contactor DPE09-38
Thermal protection adjustment range	16...24 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	1.5 A 240 V AC-15 signalling circuit 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 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

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

Connections - terminals	Control circuit screw clamp terminals 2 0.002...0.004 in ² (1...2.5 mm ²) flexible without cable end Control circuit screw clamp terminals 2 0.002...0.004 in ² (1...2.5 mm ²) flexible with cable end Control circuit screw clamp terminals 2 0.002...0.004 in ² (1...2.5 mm ²) solid without cable end Power circuit screw clamp terminals 1 0.00...0.02 in ² (2.5...10 mm ²) flexible without cable end Power circuit screw clamp terminals 1 0.00...0.01 in ² (1.5...6 mm ²) flexible with cable end Power circuit screw clamp terminals 1 0.00...0.02 in ² (2.5...10 mm ²) solid without cable end
Tightening torque	Control circuit 15.05 lbf.in (1.7 N.m) screw clamp terminals Power circuit 22.1 lbf.in (2.5 N.m) screw clamp terminals
Height	2.6 in (66 mm)
Width	1.8 in (45 mm)
Depth	2.8 in (70 mm)
net weight	0.273 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 EN/IEC 60947-5-1 UL 60947-4-1 UL 60947-5-1 CUL
Product certifications	cUL

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.969 in (5.000 cm)
Package 1 Width	2.992 in (7.600 cm)
Package 1 Length	3.465 in (8.800 cm)
Package 1 Weight	4.970 oz (140.900 g)
Unit Type of Package 2	S02
Number of Units in Package 2	24
Package 2 Height	5.906 in (15.000 cm)
Package 2 Width	11.811 in (30.000 cm)
Package 2 Length	15.748 in (40.000 cm)
Package 2 Weight	8.225 lb(US) (3.731 kg)
Unit Type of Package 3	P06
Number of Units in Package 3	384

Package 3 Height	31.496 in (80.000 cm)
Package 3 Width	31.496 in (80.000 cm)
Package 3 Length	23.622 in (60.000 cm)
Package 3 Weight	165.179 lb(US) (74.924 kg)

Sustainability



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Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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[Guide to assess a product’s sustainability >](#)



Transparency RoHS/REACH

Well-being performance

✓ Toxic Heavy Metal Free	
✓ Mercury Free	
✓ Rohs Exemption Information	Yes

Certifications & Standards

Reach Regulation	REACH Declaration
Eu Rohs Directive	Compliant EU RoHS Declaration
China Rohs Regulation	China RoHS declaration Pro-active China RoHS declaration (out of China RoHS legal scope)
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information