

DPER04

Easy TeSys DPER thermal overload relay,
0.40...0.63 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
Phase failure sensitivity	Tripping current 130 % of I _r on two phase, the last one at 0

Complementary

Network type	DC AC
Network frequency	0...400 Hz
Mounting support	Separate, with specific accessories 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 _r IEC 60947-4-1
[I _{th}] 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
[U _e] rated operational voltage	690 V AC 0...400 Hz power circuit IEC 60947-4-1
[U _i] rated insulation voltage	Power circuit 600 V cUL Power circuit 690 V IEC 60947-4-1
[U _{imp}] 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 ² (1...2.5 mm ²) - flexible without cable end Screw clamp terminals 2 0.00...0.00 in ² (1...2.5 mm ²) - flexible with cable end Screw clamp terminals 2 0.00...0.00 in ² (1...2.5 mm ²) - solid without cable end Screw clamp terminals 1 0.00...0.02 in ² (1.5...10 mm ²) - flexible without cable end Screw clamp terminals 1 0.00...0.01 in ² (1...4 mm ²) - flexible with cable end Screw clamp terminals 1 0.00...0.01 in ² (1...6 mm ²) - solid without cable end Screw clamp terminals AWG 10...AWG 18)
Tightening torque	Control circuit 1.7 N.m screw clamp terminals Power circuit 1.7 N.m screw clamp terminals
Control type	Red push-button stop 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)

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Environment

Standards	EN/IEC 60947-4-1 EN/IEC 60947-5-1 UL 60947-4-1 UL 60947-5-1 CUL
Product certifications	CUL
Protective treatment	TH IEC 60068
IP degree of protection	IP20 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

GTIN	03606485332536
Nbr. of units in pkg.	1
Package weight(Lbs)	4.97 oz (141 g)

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)