



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	0.16...0.25 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	03606485332550
Nbr. of units in pkg.	1
Package weight(Lbs)	4.94 oz (140 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)