



### 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 <sub>r</sub> 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	0.1...0.16 A
Tripping threshold	1.14 +/- 0.06 I <sub>r</sub> IEC 60947-4-1
[I <sub>th</sub> ] 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 <sub>e</sub> ] rated operational voltage	690 V AC 0...400 Hz power circuit IEC 60947-4-1
[U <sub>i</sub> ] rated insulation voltage	Power circuit 600 V cUL Power circuit 690 V IEC 60947-4-1
[U <sub>imp</sub> ] 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 <sup>2</sup> (1...2.5 mm <sup>2</sup> ) - flexible without cable end Screw clamp terminals 2 0.00...0.00 in <sup>2</sup> (1...2.5 mm <sup>2</sup> ) - flexible with cable end Screw clamp terminals 2 0.00...0.00 in <sup>2</sup> (1...2.5 mm <sup>2</sup> ) - solid without cable end Screw clamp terminals 1 0.00...0.02 in <sup>2</sup> (1.5...10 mm <sup>2</sup> ) - flexible without cable end Screw clamp terminals 1 0.00...0.01 in <sup>2</sup> (1...4 mm <sup>2</sup> ) - flexible with cable end Screw clamp terminals 1 0.00...0.01 in <sup>2</sup> (1...6 mm <sup>2</sup> ) - 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)

## 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	03606485332567
Nbr. of units in pkg.	1
Package weight(Lbs)	5.01 oz (142 g)

## Packing Units

Unit Type of Package 1	PCE
Package 1 Height	2.13 in (5.4 cm)
Package 1 width	2.80 in (7.1 cm)
Package 1 Length	3.15 in (8 cm)