



Main

Range	Easy TeSys
Product name	Easy TeSys DPER
Product or Component Type	Differential thermal overload relay
Device short name	DPER
Relay application	Motor protection
Product compatibility	Contactors DPE40-65
Thermal protection adjustment range	37...50 A
Thermal overload class	Class 10 IEC 60947-4-1
[Ui] rated insulation voltage	Power circuit 600 V UL 60947-4-1 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	0.95 A 240 V AC-15 signalling circuit 0.06 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 4 A - signalling circuit GG fuse 4 A - signalling circuit
[Ue] rated operational voltage	300 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	Plate, with specific accessories Rail, with specific accessories Under contactor
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 connectors 1 0.004...0.04 in ² (2.5...25 mm ²) flexible without cable end Power circuit screw connectors 1 0.004...0.04 in ² (2.5...25 mm ²) flexible with cable end Power circuit screw connectors 1 0.004...0.04 in ² (2.5...25 mm ²) solid without cable end
Tightening torque	Control circuit 15.05 lbf.in (1.7 N.m) screw clamp terminals Power circuit 44.3 lbf.in (5 N.m) screw connection 0.004...0.02 in ² (2.5...16 mm ²) Power circuit 62.0 lbf.in (7 N.m) screw connection 0.02...0.04 in ² (16...25 mm ²)
Height	2.8 in (70 mm)
Width	2.2 in (55 mm)
Depth	4.8 in (123 mm)
Net Weight	0.827 lb(US) (0.375 kg)

Environment

IP degree of protection	IP20 conforming to IEC 60529
Climatic withstand	IACS E10
Protective treatment	TH IEC 60068
Temperature compensation	-4...140 °F (-20...60 °C)
Ambient air temperature for operation	-4.0000000000...140.0000000000 °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	4 gn on plate IEC 60068-2-6
Flame retardance	V1 conforming to UL 94
Standards	EN/IEC 60947-4-1 EN/IEC 60947-5-1 UL 60947-4-1 UL 60947-5-1 CSA C22.2 No 60947-4-1 CSA C22.2 No 60947-5-1 EN 50495
Product Certifications	IEC[RETURN]cULus

Ordering and shipping details

Category	US10I1222329
Discount Schedule	0I12
GTIN	3606482465442
Returnability	Yes
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.6 in (6.5 cm)
Package 1 Width	4.09 in (10.4 cm)
Package 1 Length	5.4 in (13.8 cm)
Package 1 Weight	13.9 oz (394 g)
Unit Type of Package 2	S02
Number of Units in Package 2	13
Package 2 Height	5.9 in (15 cm)
Package 2 Width	11.8 in (30 cm)
Package 2 Length	15.7 in (40 cm)
Package 2 Weight	11.99 lb(US) (5.437 kg)
Unit Type of Package 3	P06
Number of Units in Package 3	208
Package 3 Height	29.5 in (75 cm)
Package 3 Width	23.6 in (60 cm)
Package 3 Length	31.5 in (80 cm)
Package 3 Weight	210.52 lb(US) (95.492 kg)

Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Antimony oxide & Antimony trioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov
REACH Regulation	 REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Compliant  EU RoHS Declaration
Mercury free	Yes

China RoHS Regulation	China RoHS Declaration
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information