Product data sheet

Specifications

Thermal overload relay,Easy TeSys DPER,48…65A,class 10

DPER365

Product availability: Stock - Normally stocked in distribution facility

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	Contactor DPE40-65
Thermal protection adjustment range	48…65 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

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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 in² (1…2.5 mm²) flexible without cable end Control circuit screw clamp terminals 2 0.002…0.004 in² (1…2.5 mm²) flexible with cable end Control circuit screw clamp terminals 2 0.002…0.004 in² (1…2.5 mm²) solid without cable end Power circuit screw connectors 1 0.004…0.04 in² (2.5…25 mm²) flexible without cable end Power circuit screw connectors 1 0.004…0.04 in² (2.5…25 mm²) flexible with cable end Power circuit screw connectors 1 0.004…0.04 in² (2.5…25 mm²) 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 in² (2.5…16 mm²) Power circuit 62.0 lbf.in (7 N.m) screw connection 0.02…0.04 in² (16…25 mm²)
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…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	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 cULus

Ordering and shipping details

Category	US10I1222329
Discount Schedule	0I12
GTIN	3606482465459
Returnability	Yes
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	2.56 in (6.5 cm)

Package 1 Width	4.09 in (10.4 cm)
Package 1 Length	5.43 in (13.8 cm)
Package weight(Lbs)	13.9 oz (394 g)
Unit Type of Package 2	S02
Number of Units in Package 2	13
Package 2 Height	5.91 in (15 cm)
Package 2 Width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)
Package 2 Weight	11.987 lb(US) (5.437 kg)
Unit Type of Package 3	P06
Number of Units in Package 3	208
Package 3 Height	29.53 in (75 cm)
Package 3 Width	23.62 in (60 cm)
Package 3 Length	31.50 in (80 cm)
Package 3 Weight	210.524 lb(US) (95.492 kg)

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Environmental footprint

Carbon footprint (kg CO2 eq, Total Life cycle)	4
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Compliant
REACh Regulation	REACh Declaration
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

Use Again

Repack and remanufacture

Circularity Profile	End of Life Information
Take-back	No