

Product data sheet

Specifications



Thermal overload relay, Easy TeSys DPER, 30-38A, class 10

DPER35

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
Thermal protection adjustment range	30...38 A
Thermal overload class	Class 10 IEC 60947-4-1
[U] rated insulation voltage	Power circuit 600 V cUL 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	1.5 A 240 V AC-15 signalling circuit 0.1 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 5 A - control circuit GB2 circuit breaker 5 A - control circuit GG fuse 5 A - control circuit
[Ue] rated operational voltage	690 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	Separate, 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.

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 clamp terminals 1 0.004...0.02 in ² (2.5...10 mm ²) flexible without cable end Power circuit screw clamp terminals 1 0.002...0.009 in ² (1.5...6 mm ²) flexible with cable end Power circuit screw clamp terminals 1 0.004...0.02 in ² (2.5...10 mm ²) solid without cable end
Tightening torque	Control circuit 15.05 lbf.in (1.7 N.m) screw clamp terminals Power circuit 22.1 lbf.in (2.5 N.m) screw clamp terminals
Height	2.6 in (66 mm)
Width	1.8 in (45 mm)
Depth	2.8 in (70 mm)
Net Weight	0.273 lb(US) (0.124 kg)

Environment

IP degree of protection	IP20 conforming to IEC 60529
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	6 gn on plate IEC 60068-2-6
Standards	EN/IEC 60947-4-1 EN/IEC 60947-5-1 UL 60947-4-1 UL 60947-5-1
Product Certifications	cUL

Ordering and shipping details

GTIN	3606485332420
-------------	---------------

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	1.9 in (4.9 cm)
Package 1 Width	3.07 in (7.8 cm)
Package 1 Length	3.5 in (9.0 cm)
Package weight(Lbs)	4.9 oz (140.0 g)
Unit Type of Package 2	S02
Number of Units in Package 2	24
Package 2 Height	5.9 in (15.0 cm)
Package 2 Width	11.8 in (30.0 cm)
Package 2 Length	15.7 in (40.0 cm)
Package 2 Weight	8.567 lb(US) (3.886 kg)

Unit Type of Package 3	P06
Number of Units in Package 3	384
Package 3 Height	30.3 in (77.0 cm)
Package 3 Width	23.6 in (60.0 cm)
Package 3 Length	31.5 in (80.0 cm)
Package 3 Weight	159.553 lb(US) (72.372 kg)

Contractual warranty

Warranty (in months)	18
-----------------------------	----



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

Total lifecycle Carbon footprint	13 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Carbon footprint of the manufacturing phase [A1 to A3]	1 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	12 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	0.2 kg CO2 eq.

Use Better



Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Compliant
SCIP Number	224fb0ea-2bc1-482e-b6b4-c1bdd9779659
REACH Regulation	REACH Declaration
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Use Longer



Lifetime extension

Repair	No
--------	----

Use Again



Repack and remanufacture

Recyclability potential, in %	50
Circularity Profile	End of Life Information
Take-back	No
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Offer Marketing Illustration

Product benefits / Features

Easy TeSys Thermal Overload Relays

Technical Benefits



Protecting A.C. circuits and motors from overloads, phase failure, long starting times, and prolonged stalled rotor conditions.

Include automatic compensation for ambient temperature variations.

4 width sizes available to cover all ratings; from 45 mm (up to 38A) to 242 mm (up to 630A)

Compensated relays with manual or automatic reset and relay trip indicator

Terminal block for separate mounting

Offer Marketing Illustration

Product benefits / Features



Easy TeSys Thermal Overload Relays

Range Accessories



Contact blocks



Auxiliary contact



Mounting accessories



Manual starter enclosure



Manual starter padlocking

Offer Marketing Illustration

Product benefits / Features

Easy TeSys Thermal Overload Relays



Designed for the essential

Delivers the best balance between performance and budget without any compromise on quality



Power protector

Designed to protect AC circuits and motors against overloads, phase failure, long starting time and prolonged stalled rotor condition



Easy choice and application

Easier to install, order and understand, and operate with multi-standard screws



Technical Illustration

Assembly's dimensions

