

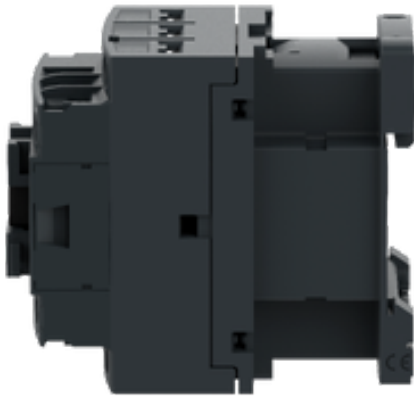
# DPE18B7

IEC contactor, Easy TeSys  
DPE, nonreversing, 18A, 3P, 7.5HP at 480V AC, 24V  
50/60Hz coil



Product availability: Stock - Normally stocked in distribution facility

Price\*: 42.50 USD



## Main

Range	Easy TeSys
Product name	Easy TeSys DPE
Product or Component Type	Contacteur
Device short name	DPE
Contacteur application	Resistive load Motor control
Utilisation category	AC-4 AC-1 AC-3
Poles description	3P
Pole contact composition	3 NO
Auxiliary contact composition	1 NO
[Ie] rated operational current	25 A (at <140 °F (60 °C)) at <= 440 V AC AC-1 for power circuit 18 A (at <140 °F (60 °C)) at <= 440 V AC AC-3 for power circuit
[Uc] control circuit voltage	24 V AC 50/60 Hz
Motor power kW	4 KW 220...230 V AC 50/60 Hz 7.5 KW 380...400 V AC 50/60 Hz 9 KW 415 V AC 50/60 Hz 9 KW 440 V AC 50/60 Hz 10 KW 500 V AC 50/60 Hz 10 KW 660...690 V AC 50/60 Hz
Maximum Horse Power Rating	0.5 Hp at 115 V AC 50/60 Hz for 1 phase motors 2 Hp at 230/240 V AC 50/60 Hz for 1 phase motors 3 Hp at 200/208 V AC 50/60 Hz for 3 phase motors 3 Hp at 230/240 V AC 50/60 Hz for 3 phase motors 7.5 Hp at 460/480 V AC 50/60 Hz for 3 phase motors 10 Hp at 575/600 V AC 50/60 Hz for 3 phase motors

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## Complementary

[Ue] rated operational voltage	Power circuit $\leq 690$ V AC 25...400 Hz Power circuit $\leq 300$ V DC
[Ith] conventional free air thermal current	25 A (at 140 °F (60 °C)) for power circuit 10 A (at 140 °F (60 °C)) for signalling circuit
Irms rated making capacity	250 A at 440 V for power circuit conforming to IEC 60947 140 A AC for signalling circuit conforming to IEC 60947-5-1 250 A DC for signalling circuit conforming to IEC 60947-5-1
Rated breaking capacity	250 A at 440 V for power circuit conforming to IEC 60947
Associated fuse rating	10 A gG for signalling circuit conforming to IEC 60947-5-1 40 A gG at $\leq 690$ V coordination type 1 for power circuit 25 A gG at $\leq 690$ V coordination type 2 for power circuit
Average impedance	2.5 MOhm - Ith 25 A 50 Hz for power circuit
Power dissipation per pole	0.36 W AC-3 1.56 W AC-1
Electrical durability	1 Mcycles 18 A AC-3 $\leq 440$ V 0.6 Mcycles 25 A AC-1 $\leq 440$ V
Safety reliability level	B10d = 1369863 cycles contactor with nominal load EN/ISO 13849-1 B10d = 2000000 cycles contactor with mechanical load EN/ISO 13849-1
Control circuit type	AC 50/60 Hz
Coil technology	Without built-in suppressor module
Control circuit voltage limits	Drop-out: 0.3...0.6 U <sub>c</sub> at 50/60 Hz (at $\leq 158$ °F (70 °C)) Operational: 0.8...1.1 U <sub>c</sub> at 50 Hz (at $\leq 140$ °F (60 °C)) Operational: 0.85...1.1 U <sub>c</sub> at 60 Hz (at $\leq 140$ °F (60 °C)) Operational: 1...1.1 U <sub>c</sub> at 50/60 Hz (at $\leq 158$ °F (70 °C))
Inrush power in VA	70 VA 60 Hz cos phi 0.75 (at 68 °F (20 °C)) 70 VA 50 Hz cos phi 0.75 (at 68 °F (20 °C))
Hold-in power consumption in VA	7.5 VA 60 Hz cos phi 0.3 (at 68 °F (20 °C)) 7 VA 50 Hz cos phi 0.3 (at 68 °F (20 °C))
Heat dissipation	2...3 W 50/60 Hz
Operating time	12...22 ms closing 4...19 ms opening
Mechanical durability	10 Mcycles
Maximum operating rate	3600 Cyc/H 140 °F (60 °C)
Auxiliary contacts type	Mechanically linked 1 NO IEC 60947-5-1
Minimum switching current	5 MA for signalling circuit
Minimum switching voltage	17 V for signalling circuit
Insulation resistance	$> 10$ MOhm for signalling circuit
Non-overlap time	1.5 Ms on de-energisation between NC and NO contact 1.5 Ms on energisation between NC and NO contact
Signalling circuit frequency	25...400 Hz

Connections - terminals	<p>Power circuit: screw clamp terminals 1 0.00...0.01 in<sup>2</sup> (1...4 mm<sup>2</sup>) - cable stiffness: flexible without cable end</p> <p>Power circuit: screw clamp terminals 2 0.00...0.01 in<sup>2</sup> (1...4 mm<sup>2</sup>) - cable stiffness: flexible without cable end</p> <p>Power circuit: screw clamp terminals 1 0.00...0.01 in<sup>2</sup> (1...4 mm<sup>2</sup>) - cable stiffness: flexible with cable end</p> <p>Power circuit: screw clamp terminals 2 0.00...0.00 in<sup>2</sup> (1...2.5 mm<sup>2</sup>) - cable stiffness: flexible with cable end</p> <p>Power circuit: screw clamp terminals 1 0.00...0.01 in<sup>2</sup> (1...4 mm<sup>2</sup>) - cable stiffness: solid without cable end</p> <p>Power circuit: screw clamp terminals 2 0.00...0.01 in<sup>2</sup> (1...4 mm<sup>2</sup>) - cable stiffness: solid without cable end</p> <p>Control circuit: screw clamp terminals 1 0.00...0.01 in<sup>2</sup> (1...4 mm<sup>2</sup>) - cable stiffness: flexible without cable end</p> <p>Control circuit: screw clamp terminals 2 0.00...0.01 in<sup>2</sup> (1...4 mm<sup>2</sup>) - cable stiffness: flexible without cable end</p> <p>Control circuit: screw clamp terminals 1 0.00...0.01 in<sup>2</sup> (1...4 mm<sup>2</sup>) - cable stiffness: flexible with cable end</p> <p>Control circuit: screw clamp terminals 2 0.00...0.00 in<sup>2</sup> (1...2.5 mm<sup>2</sup>) - cable stiffness: flexible with cable end</p> <p>Control circuit: screw clamp terminals 1 0.00...0.01 in<sup>2</sup> (1...4 mm<sup>2</sup>) - cable stiffness: solid without cable end</p> <p>Control circuit: screw clamp terminals 2 0.00...0.01 in<sup>2</sup> (1...4 mm<sup>2</sup>) - cable stiffness: solid without cable end</p>
Tightening torque	<p>Power circuit 15.05 lbf.in (1.7 N.m) screw clamp terminals flat Ø 6 mm</p> <p>Power circuit 15.05 lbf.in (1.7 N.m) screw clamp terminals Philips No 2</p> <p>Control circuit 15.05 lbf.in (1.7 N.m) screw clamp terminals flat Ø 6 mm</p> <p>Control circuit 15.05 lbf.in (1.7 N.m) screw clamp terminals Philips No 2</p>
Mounting Support	Rail Plate
Height	3.03 In (77 mm)
Width	1.77 In (45 mm)
Depth	3.39 In (86 mm)
Net Weight	0.72 Lb(US) (0.325 kg)

## Environment

[Ui] rated insulation voltage	<p>Power circuit 690 V IEC 60947-4-1</p> <p>Power circuit 600 V CSA</p> <p>Power circuit 600 V UL</p> <p>Signalling circuit 690 V IEC 60947-1</p> <p>Signalling circuit 600 V CSA</p> <p>Signalling circuit 600 V UL</p>
Overvoltage category	III
Pollution degree	3
[Uimp] rated impulse withstand voltage	6 KV IEC 60947
Standards	<p>CSA C22.2 No 14</p> <p>EN 60947-4-1</p> <p>EN 60947-5-1</p> <p>IEC 60947-4-1</p> <p>IEC 60947-5-1</p> <p>UL 60947-4-1</p>
Product Certifications	UL[RETURN]CSA
IP degree of protection	IP20 front face IEC 60529
Ambient Air Temperature for Storage	-76...176 °F (-60...80 °C)
Ambient Air Temperature for Operation	-40...140 °F (-40...60 °C)
Operating altitude	0...6561.68 ft (0...2000 m)
Fire resistance	1562 °F (850 °C) IEC 60695-2-1
Mechanical robustness	<p>Vibrations contactor open 2 Gn, 5...300 Hz)</p> <p>Vibrations contactor closed 4 Gn, 5...300 Hz)</p> <p>Shocks contactor open 10 Gn for 11 ms)</p> <p>Shocks contactor closed 15 Gn for 11 ms)</p>

## Ordering and shipping details

Category	US1011322362
Discount Schedule	0113
GTIN	3389111001210
Returnability	Yes
Country of origin	US

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.13 In (5.4 cm)
Package 1 Width	3.27 In (8.3 cm)
Package 1 Length	3.78 In (9.6 cm)
Package 1 Weight	11.81 Oz (334.8 g)
Unit Type of Package 2	S02
Number of Units in Package 2	16
Package 2 Height	5.91 In (15.0 cm)
Package 2 Width	11.81 In (30.0 cm)
Package 2 Length	15.75 In (40.0 cm)
Package 2 Weight	12.91 Lb(US) (5.856 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
REACH Regulation	<a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes
Mercury free	Yes
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
RoHS exemption information	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End Of Life Information</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
PVC free	Yes

Product Life Status : **Commercialised**