

# DPE32G7

IEC contactor, Easy TeSys  
DPE, nonreversing, 32A, 3P, 15HP at 480V  
AC, 120V 50/60Hz coil



Product availability: Stock - Normally stocked in distribution facility

Price\*: 71.25 USD



## Main

Range	Easy TeSys
Product name	Easy TeSys DPE
Product or Component Type	Contactors
Device short name	DPE
Contactors 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	32 A (at <140 °F (60 °C)) at <= 440 V AC AC-3 for power circuit 40 A (at <140 °F (60 °C)) at <= 440 V AC AC-1 for power circuit
[Uc] control circuit voltage	120 V AC 50/60 Hz
Motor power kW	7.5 KW 220...230 V AC 50/60 Hz 15 KW 380...400 V AC 50/60 Hz 15 KW 415 V AC 50/60 Hz 15 KW 440 V AC 50/60 Hz 18.5 KW 500 V AC 50/60 Hz 18.5 KW 660...690 V AC 50/60 Hz
Maximum Horse Power Rating	2 Hp at 115 V AC 50/60 Hz for 1 phase motors 3 Hp at 230/240 V AC 50/60 Hz for 1 phase motors 7.5 Hp at 200/208 V AC 50/60 Hz for 3 phase motors 7.5 Hp at 230/240 V AC 50/60 Hz for 3 phase motors 15 Hp at 460/480 V AC 50/60 Hz for 3 phase motors 20 Hp at 575/600 V AC 50/60 Hz for 3 phase motors

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein. \*Prices are indicative

## 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	10 A (at 140 °F (60 °C)) for signalling circuit 40 A (at 140 °F (60 °C)) for power circuit
Irms rated making capacity	140 A AC for signalling circuit conforming to IEC 60947-5-1 250 A DC for signalling circuit conforming to IEC 60947-5-1 450 A at 440 V for power circuit conforming to IEC 60947
Rated breaking capacity	450 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 63 A gG at $\leq 690$ V coordination type 1 for power circuit 40 A gG at $\leq 690$ V coordination type 2 for power circuit
Average impedance	2 MOhm - Ith 40 A 50 Hz for power circuit
Power dissipation per pole	3.2 W AC-1 1.25 W AC-3
Electrical durability	1 Mcycles 32 A AC-3 $\leq 440$ V 0.6 Mcycles 40 A AC-1 $\leq 440$ V
Safety reliability level	B10d = 1369863 cycles contactor with nominal load EN/ISO 13849-1 B10d = 20000000 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 $<158$ °F (70 °C)) Operational: 0.8...1.1 U <sub>c</sub> at 50 Hz (at $<140$ °F (60 °C)) Operational: 0.85...1.1 U <sub>c</sub> at 60 Hz (at $<140$ °F (60 °C)) Operational: 1...1.1 U <sub>c</sub> at 50/60 Hz (at $<158$ °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	3.35 In (85 mm)
Width	1.77 In (45 mm)
Depth	3.62 In (92 mm)
Net Weight	0.82 Lb(US) (0.37 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>
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	3606481063243
Returnability	Yes
Country of origin	ID

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3.98 In (10.1 cm)
Package 1 Width	1.77 In (4.5 cm)
Package 1 Length	3.35 In (8.5 cm)
Package 1 Weight	14.11 Oz (400.0 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	14.80 Lb(US) (6.715 kg)
Unit Type of Package 3	P06
Number of Units in Package 3	256
Package 3 Height	303.15 In (770.0 cm)
Package 3 Width	23.62 In (60.0 cm)
Package 3 Length	31.50 In (80.0 cm)
Package 3 Weight	255.60 Lb(US) (115.94 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>

Product Life Status : **Commercialised**