

# Product data sheet

Specifications



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

DPE32G7

### Main

<b>Range</b>	Easy TeSys
<b>Product name</b>	Easy TeSys DPE
<b>Product or component type</b>	Contactors
<b>Device short name</b>	DPE
<b>Contactors application</b>	Resistive load Motor control
<b>Utilisation category</b>	AC-4 AC-1 AC-3
<b>Poles description</b>	3P
<b>Pole contact composition</b>	3 NO
<b>Auxiliary contact composition</b>	1 NO
<b>[Ie] rated operational current</b>	32 A 140 °F (60 °C) <= 440 V AC AC-3 power circuit 40 A 140 °F (60 °C) <= 440 V AC AC-1 power circuit
<b>[Uc] control circuit voltage</b>	120 V AC 50/60 Hz
<b>Motor power kW</b>	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
<b>Motor power hp</b>	2 hp 115 V AC 50/60 Hz 1 phase 3 hp 230/240 V AC 50/60 Hz 1 phase 7.5 hp 200/208 V AC 50/60 Hz 3 phases 7.5 hp 230/240 V AC 50/60 Hz 3 phases 15 hp 460/480 V AC 50/60 Hz 3 phases 20 hp 575/600 V AC 50/60 Hz 3 phases

### Complementary

<b>Maximum Operational Voltage</b>	Power circuit <= 690 V AC 25...400 Hz Power circuit <= 300 V DC
<b>[Ith] conventional free air thermal current</b>	10 A 140 °F (60 °C) signalling circuit 40 A 140 °F (60 °C) power circuit
<b>Irms rated making capacity</b>	140 A AC signalling circuit IEC 60947-5-1 250 A DC signalling circuit IEC 60947-5-1 450 A 440 V power circuit IEC 60947
<b>Rated breaking capacity</b>	450 A 440 V power circuit IEC 60947
<b>Associated fuse rating</b>	10 A gG signalling circuit IEC 60947-5-1 63 A gG <= 690 V type 1 power circuit 40 A gG <= 690 V type 2 power circuit

<b>Average impedance</b>	2 mOhm - lth 40 A 50 Hz power circuit
<b>Power dissipation per pole</b>	3.2 W AC-1 1.25 W AC-3
<b>Electrical durability</b>	1 Mcycles 32 A AC-3 <= 440 V 0.6 Mcycles 40 A AC-1 <= 440 V
<b>Safety reliability level</b>	B10d = 1369863 cycles contactor with nominal load EN/ISO 13849-1 B10d = 20000000 cycles contactor with mechanical load EN/ISO 13849-1
<b>Control circuit type</b>	AC 50/60 Hz
<b>Coil technology</b>	Without built-in suppressor module
<b>Control circuit voltage limits</b>	Drop-out 0.3...0.6 Uc 50/60 Hz 158 °F (70 °C)) Operational 0.8...1.1 Uc 50 Hz 140 °F (60 °C)) Operational 0.85...1.1 Uc 60 Hz 140 °F (60 °C)) Operational 1...1.1 Uc 50/60 Hz 158 °F (70 °C))
<b>Inrush power in VA</b>	70 VA 60 Hz 0.75 68 °F (20 °C)) 70 VA 50 Hz 0.75 68 °F (20 °C))
<b>Hold-in power consumption in VA</b>	7.5 VA 60 Hz 0.3 68 °F (20 °C)) 7 VA 50 Hz 0.3 68 °F (20 °C))
<b>Heat dissipation</b>	2...3 W 50/60 Hz
<b>Operating time</b>	12...22 ms closing 4...19 ms opening
<b>Mechanical durability</b>	10 Mcycles
<b>Maximum operating rate</b>	3600 cyc/h 140 °F (60 °C)
<b>Auxiliary contacts type</b>	Mechanically linked 1 NO IEC 60947-5-1
<b>Minimum switching current</b>	5 mA signalling circuit
<b>Minimum switching voltage</b>	17 V signalling circuit
<b>Insulation resistance</b>	> 10 MOhm signalling circuit
<b>Non-overlap time</b>	1.5 ms on de-energisation between NC and NO contact 1.5 ms on energisation between NC and NO contact
<b>Signalling circuit frequency</b>	25...400 Hz
<b>Connections - terminals</b>	Power circuit screw clamp terminals 1 0.00...0.01 in <sup>2</sup> (1...4 mm <sup>2</sup> ) flexible without cable end Power circuit screw clamp terminals 2 0.00...0.01 in <sup>2</sup> (1...4 mm <sup>2</sup> ) flexible without cable end Power circuit screw clamp terminals 1 0.00...0.01 in <sup>2</sup> (1...4 mm <sup>2</sup> ) flexible with cable end Power circuit screw clamp terminals 2 0.00...0.00 in <sup>2</sup> (1...2.5 mm <sup>2</sup> ) flexible with cable end Power circuit screw clamp terminals 1 0.00...0.01 in <sup>2</sup> (1...4 mm <sup>2</sup> ) solid without cable end Power circuit screw clamp terminals 2 0.00...0.01 in <sup>2</sup> (1...4 mm <sup>2</sup> ) solid without cable end Control circuit screw clamp terminals 1 0.00...0.01 in <sup>2</sup> (1...4 mm <sup>2</sup> ) flexible without cable end Control circuit screw clamp terminals 2 0.00...0.01 in <sup>2</sup> (1...4 mm <sup>2</sup> ) flexible without cable end Control circuit screw clamp terminals 1 0.00...0.01 in <sup>2</sup> (1...4 mm <sup>2</sup> ) flexible with cable end Control circuit screw clamp terminals 2 0.00...0.00 in <sup>2</sup> (1...2.5 mm <sup>2</sup> ) flexible with cable end Control circuit screw clamp terminals 1 0.00...0.01 in <sup>2</sup> (1...4 mm <sup>2</sup> ) solid without cable end Control circuit screw clamp terminals 2 0.00...0.01 in <sup>2</sup> (1...4 mm <sup>2</sup> ) solid without cable end
<b>Tightening torque</b>	Power circuit 15.05 lbf.in (1.7 N.m) screw clamp terminals flat Ø 6 mm Power circuit 15.05 lbf.in (1.7 N.m) screw clamp terminals Philips No 2 Control circuit 15.05 lbf.in (1.7 N.m) screw clamp terminals flat Ø 6 mm Control circuit 15.05 lbf.in (1.7 N.m) screw clamp terminals Philips No 2
<b>Mounting support</b>	Rail Plate
<b>Height</b>	3.35 in (85 mm)
<b>Width</b>	1.77 in (45 mm)
<b>Depth</b>	3.62 in (92 mm)
<b>Product weight</b>	0.82 lb(US) (0.37 kg)
<b>Environment</b>	
<b>[Ui] rated insulation voltage</b>	Power circuit 690 V IEC 60947-4-1 Power circuit 600 V CSA Power circuit 600 V UL Signalling circuit 690 V IEC 60947-1
<b>Overvoltage category</b>	III

Pollution degree	3
[Uimp] rated impulse withstand voltage	6 kV IEC 60947
Standards	CSA C22.2 No 14 EN 60947-4-1 EN 60947-5-1 IEC 60947-4-1 IEC 60947-5-1 UL 60947-4-1
Product certifications	UL 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...2000 m
Fire resistance	1562 °F (850 °C) IEC 60695-2-1
Mechanical robustness	Vibrations contactor open 2 Gn, 5...300 Hz) Vibrations contactor closed 4 Gn, 5...300 Hz) Shocks contactor open 10 Gn for 11 ms) Shocks contactor closed 15 Gn for 11 ms)

## 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
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

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<b>Mercury free</b>	Yes
<b>China RoHS Regulation</b>	<a href="#">China RoHS declaration</a> Pro-active China RoHS declaration (out of China RoHS legal scope)
<b>RoHS exemption information</b>	Yes
<b>Environmental Disclosure</b>	<a href="#">Product Environmental Profile</a>
<b>Circularity Profile</b>	<a href="#">End of Life Information</a>

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**Recommended replacement(s)**