

DPE38B7

IEC contactor, Easy TeSys

DPE, nonreversing, 38A, 3P, 20HP at 480V AC, 24V
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 | 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 | Without |
| [Ie] rated operational current | 38 A 140 °F (60 °C) <= 440 V AC AC-3 power circuit 52 A 140 °F (60 °C) <= 440 V AC AC-1 power circuit |
| [Uc] control circuit voltage | 24 V AC 50/60 Hz |
| Motor power kW | 9 KW 220...230 V AC 50/60 Hz 18.5 KW 380...400 V AC 50/60 Hz 18.5 KW 415 V AC 50/60 Hz 18.5 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 115 V at AC 50/60 Hz for 1 phase 5 Hp 230/240 V at AC 50/60 Hz for 1 phase 10 Hp 200/208 V at AC 50/60 Hz for 3 phase 10 Hp 230/240 V at AC 50/60 Hz for 3 phase 20 Hp 460/480 V at AC 50/60 Hz for 3 phase 25 Hp 575/600 V at AC 50/60 Hz for 3 phase |

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 ≤ 690 V AC 25...400 Hz Power circuit ≤ 300 V DC |
| [Ith] conventional free air thermal current | 10 A 140 °F (60 °C) signalling circuit 50 A 140 °F (60 °C) power circuit |
| Irms rated making capacity | 140 A AC signalling circuit IEC 60947-5-1 250 A DC signalling circuit IEC 60947-5-1 550 A 440 V power circuit IEC 60947 |
| Rated breaking capacity | 550 A 440 V power circuit IEC 60947 |
| Associated fuse rating | 10 A gG signalling circuit IEC 60947-5-1 63 A gG ≤ 690 V type 1 power circuit 63 A gG ≤ 690 V type 2 power circuit |
| Average impedance | 2 MOhm - Ith 50 A 50 Hz power circuit |
| Power dissipation per pole | 2 W AC-3 5 W AC-1 |
| Electrical durability | 1 Mcycles 38 A AC-3 ≤ 440 V 0.6 Mcycles 52 A AC-1 ≤ 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 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)) |
| Inrush power in VA | 70 VA 60 Hz 0.75 68 °F (20 °C)) 70 VA 50 Hz 0.75 68 °F (20 °C)) |
| Hold-in power consumption in VA | 7.5 VA 60 Hz 0.3 68 °F (20 °C)) 7 VA 50 Hz 0.3 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 signalling circuit |
| Minimum switching voltage | 17 V signalling circuit |
| Insulation resistance | > 10 MOhm 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 | Power circuit screw clamp terminals 1 0.00...0.01 in ² (1...4 mm ²) flexible with cable end Power circuit screw clamp terminals 2 0.00...0.00 in ² (1...2.5 mm ²) flexible with cable end Power circuit screw clamp terminals 1 0.00...0.01 in ² (1...4 mm ²) solid without cable end Power circuit screw clamp terminals 2 0.00...0.01 in ² (1...4 mm ²) solid without cable end Control circuit screw clamp terminals 1 0.00...0.01 in ² (1...4 mm ²) flexible without cable end Control circuit screw clamp terminals 2 0.00...0.01 in ² (1...4 mm ²) flexible without cable end Control circuit screw clamp terminals 1 0.00...0.01 in ² (1...4 mm ²) flexible with cable end Control circuit screw clamp terminals 2 0.00...0.00 in ² (1...2.5 mm ²) flexible with cable end Control circuit screw clamp terminals 1 0.00...0.01 in ² (1...4 mm ²) solid without cable end Control circuit screw clamp terminals 2 0.00...0.01 in ² (1...4 mm ²) solid without cable end |

| | |
|-------------------|--|
| Tightening torque | 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 Power circuit 22.13 lbf.in (2.5 N.m) screw clamp terminals flat Ø 6 mm Power circuit 22.13 lbf.in (2.5 N.m) screw clamp terminals Philips No 2 |
| Mounting Support | Rail Plate |
| Height | 3.35 In (85 mm) |
| Width | 1.77 In (45 mm) |
| Depth | 3.62 In (92 mm) |
| Net Weight | 0.83 Lb(US) (0.375 kg) |

Environment

| | |
|--|---|
| [Ui] rated insulation voltage | 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 Signalling circuit 600 V CSA Signalling circuit 600 V UL |
| Overvoltage category | 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...6561.68 ft (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) |

Ordering and shipping details

| | |
|-------------------|-----------------------|
| Category | 22362-EASY TESYS DPE1 |
| Discount Schedule | I13 |
| GTIN | 3606485332635 |
| Returnability | Yes |
| Country of origin | ID |

Packing Units

| | |
|------------------------------|-----------------------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 2.20 In (5.59 cm) |
| Package 1 Width | 3.80 In (9.65 cm) |
| Package 1 Length | 4.70 In (11.94 cm) |
| Package 1 Weight | 0.93 Lb(US) (0.42 kg) |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 16 |
| 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 | 15.59 Lb(US) (7.072 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 www.P65Warnings.ca.gov |
| REACH Regulation | REACH Declaration |
| REACH free of SVHC | Yes |
| EU RoHS Directive | Compliant EU RoHS Declaration |
| Toxic heavy metal free | Yes |
| Mercury free | Yes |
| China RoHS Regulation | China RoHS Declaration |
| RoHS exemption information | Yes |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End Of Life Information |

| | |
|-----------------------|-----------------------|
| Product Life Status : | Commercialised |
|-----------------------|-----------------------|