



Main

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| Range of product | Modicon ABE7 |
| Product or component type | Electromechanical output relay sub-base |
| [Us] rated supply voltage | 24 V DC for PLC end |
| Number of channels | 16 |
| Number of terminal per channel | 2 |

Complementary

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| Terminal block type | Removable |
| Polarity distribution | Common per group of 8 channels on both poles |
| Fixing mode | By clips (35 mm symmetrical DIN rail) By screws (solid plate with fixing kit) |
| Maximum current per output common | 10 A |
| Current per channel | 5 A for preactuator end |
| Minimum switching current | 10 mA at ≥ 5 V |
| Drop-out voltage | 2.4 V at 20 °C (PLC end) |
| Switching frequency | ≤ 0.5 Hz ≤ 10 Hz |
| Threshold tripping voltage | 19.7 V at 40 °C |
| Drop-out current | 1 mA at 20 °C |
| Maximum power dissipation per channel in W | 0.36 W (PLC end) |
| Contacts type and composition | 1 NO for preactuator end |
| Maximum switching voltage | 250 V AC 50/60 Hz conforming to IEC 60947-5-1 30 V DC conforming to IEC 60947-5-1 |
| Electrical durability | 500000 Cycles, maximum switching current: 600 mA at 24 V DC-13 10 ms (preactuator end) 500000 Cycles, maximum switching current: 1500 mA at 230 V AC-12 (preactuator end) 500000 Cycles, maximum switching current: 1500 mA at 24 V DC-12 (preactuator end) 500000 cycles, maximum switching current: 900 mA at 230 V AC-15 (preactuator end) |
| Electrical reliability | 1e-008 |
| Operating time | ≤ 10 ms coil energisation and NO closing ≤ 5 ms coil de-energisation and NO opening |
| Contact bounce time | ≤ 5 ms 1 NO |
| Operating rate in Hz | 10 Hz no load 0.5 Hz at Ie |
| Mechanical durability | 20000000 cycles |
| [Uimp] rated impulse withstand voltage | 2.5 kV conforming to IEC 60947-1 |
| [Ui] rated insulation voltage | 2000 V |
| Installation category | II conforming to IEC 60664-1 |
| Tightening torque | 0.6 N.m with flat \varnothing 3.5 mm screwdriver |
| Width | 206 mm |
| Net weight | 0.4 kg |

Environment

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| Max immunity to microbreaks | 5 ms |
| Dielectric strength | 2000 V conforming to IEC 60947-1 |
| Product certifications | UL[RETURN]CSA[RETURN]JGL[RETURN]DNV[RETURN]EAC |
| IP degree of protection | IP2X conforming to IEC 60529 |
| Protective treatment | TC |
| Resistance to incandescent wire | 750 °C, extinction time <30 s conforming to IEC 60695-2-11 |
| Shock resistance | 15 gn for 11 ms conforming to IEC 60068-2-27 |
| Resistance to radiated fields | 10 V/m (26000000...1000000000 Hz) conforming to IEC 61000-4-3 level 3 |
| Resistance to fast transients | 2 kV level 3 conforming to IEC 61000-4-4 |
| Ambient air temperature for operation | -5...60 °C conforming to IEC 61131-2 |
| Ambient air temperature for storage | -40...80 °C conforming to IEC 61131-2 |
| Pollution degree | 2 conforming to IEC 60664-1 |

Packing Units

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| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 7.0 cm |
| Package 1 Width | 8.2 cm |
| Package 1 Length | 21.2 cm |
| Package 1 Weight | 581.0 g |
| Unit Type of Package 2 | S03 |
| Number of Units in Package 2 | 16 |
| Package 2 Height | 30.0 cm |
| Package 2 Width | 30.0 cm |
| Package 2 Length | 40.0 cm |
| Package 2 Weight | 9.813 kg |

Offer Sustainability

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|----------------------------|---|
| Sustainable offer status | Green Premium product |
| REACH Regulation | REACH Declaration |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| China RoHS Regulation | China RoHS Declaration |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End Of Life Information |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| 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 |

Contractual warranty

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| Warranty | 18 months |
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