



Main

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| Range of product | Modicon Premium Automation platform |
| Product or component type | Discrete input module |
| Discrete input number | 64 current sink isolated EN/IEC 61131-2 type 1 |
| Discrete input voltage | 24 V DC positive |
| Electrical connection | HE-10 connector |
| Protective treatment | TC |

Complementary

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|----------------------------|---------------------------------------|
| Sensor power supply | 19...30 V |
| Discrete input current | 3.5 mA |
| Voltage state 1 guaranteed | ≥ 11 V |
| Current state 1 guaranteed | ≥ 3 mA |
| Voltage state 0 guaranteed | ≤ 5 V |
| Current state 0 guaranteed | ≤ 1.5 mA |
| Input impedance | 6300 Ohm at state 1 |
| Response time | 4 ms ≤ 7 ms |
| Insulation resistance | < 10 MOhm 500 V DC |
| Power dissipation | (1.5 W + 0.1 W x No of channels used) |
| Marking | CE |
| Current consumption | 155 mA 5 V DC 315 mA 24 V DC |
| Module format | Standard |
| Product weight | 0.37 kg |

Environment

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| Dielectric strength | 1500 V AC 50/60 Hz |
| Standards | 73/23/EEC 89/336/EEC 92/31/EEC 93/68/EEC CSA 22-2 No 142 CSA 22-2 No 213 Class I Division 2 Group A CSA 22-2 No 213 Class I Division 2 Group B CSA 22-2 No 213 Class I Division 2 Group C CSA 22-2 No 213 Class I Division 2 Group D EN/IEC 61131-2 IEC 60664 UL 508 |
| Product certifications | ABS BV DNV (Det Norske Veritas) GL LR RINA RMRS |
| Ambient air temperature for operation | 0...60 °C |
| Ambient air temperature for storage | -25...70 °C |

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| Relative humidity | 5...95 % without condensation for storage 10...95 % without condensation for operation |
| Operating altitude | 0...2000 m |
| IP degree of protection | IP20 |
| Pollution degree | 2 |
| RoHS EUR conformity date | 0847 |
| RoHS EUR status | Compliant |