



Main

Range of product	Modicon Premium Automation platform
Product or component type	Discrete input module
Discrete input number	16 current sink isolated EN/IEC 61131-2 type 2
Discrete input voltage	24 V DC positive
Electrical connection	Screw terminal
Protective treatment	TC

Complementary

Sensor power supply	19...30 V
Input compatibility	With 2-wire/3-wire proximity sensors EN/IEC 60947-5-2
Discrete input current	7 mA
Voltage state 1 guaranteed	≥ 11 V
Current state 1 guaranteed	≥ 6.5 mA
Voltage state 0 guaranteed	≤ 5 V
Current state 0 guaranteed	≤ 2 mA
Input impedance	4000 Ohm at state 1
Response time	4 ms ≤ 7 ms
Insulation resistance	< 10 MOhm 500 V DC
Power dissipation	(1 W + 0.15 W x No of channels used)
Marking	CE
Current consumption	80 mA 5 V DC 135 mA 24 V DC
Module format	Standard
Product weight	0.3 kg

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Environment

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
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	0829
RoHS EUR status	Compliant