



## Main

Range of product	Modicon M340 automation platform
Product or component type	Discrete input module
Discrete input number	32
Discrete input voltage	24 V DC positive
Input compatibility	With 2-wire/3-wire proximity sensors IEC 60947-5-2
Ambient air temperature for operation	0...60 °C
Protective treatment	TC

## Complementary

Electrical connection	40-way connector
Discrete input type	Isolated
Input type	Current sink (logic positive)
Discrete input current	2,5 mA
Sensor power supply	19...30 V
Voltage state 1 guaranteed	≥ 11 V
Current state 1 guaranteed	≥ 2 mA
Voltage state 0 guaranteed	≤ 5 V
Current state 0 guaranteed	≤ 1,5 mA
Input impedance	9600 Ohm
Insulation resistance	> 10 MOhm 500 V DC
Power dissipation in W	≤ 3,9 W
DC typical filtering time	4 ms
DC maximum filtering time	7 ms
Paralleling of inputs	No
MTBF reliability	696320 h
Protection type	1 external fuse per group of channel 0,5 A fast blow Reverse polarity protection
Voltage detection threshold	< 14 V DC sensor fault > 18 V DC sensor OK
Status LED	1 LED green module operating (RUN) 1 LED red module I/O 1 LED red module error (ERR) 1 LED per channel green channel diagnostic
Product weight	0,112 kg

## Environment

IP degree of protection	IP20
Standards	CSA 22-2 No 142 IEC 1131-2 IEC 664 NF C 63-850 UL 508 UL 746C
Dielectric strength	500 V DC 1 minute, between group of channels 1500 V AC 50/60 Hz 1 minute, primary/secondary
Relative humidity	10...95 % without condensation
RoHS EUR conformity date	0722
RoHS EUR status	Compliant