



## Main

Range of product	Automation platform
Product or component type	Mixed discrete I/O module
Discrete I/O number	24

## Complementary

Discrete input number	16 2 groups of 8
Discrete input logic	Sink
Addressing requirement	0.5 output word 1 input word
Network frequency limits	47...63 Hz
Discrete input voltage	24 V DC
Input voltage limits	<= 1 V during 10 s <= 1 V during one cycle 30 V 56 V during 1.3 ms
Voltage state 0 guaranteed	-3...5 V
Voltage state 1 guaranteed	15...30 V
Current state 0 guaranteed	<= 0.5 mA
Current state 1 guaranteed	>= 2 mA
Input impedance	2500 Ohm
Discrete output number	8 2 groups of 4
Discrete output type	Solid state
Discrete output logic	Sink
Discrete output voltage	24 V
Output voltage limits	19.2...30 V DC typical 56 V DC during 1.3 ms
Maximum load current	<= 0.5 A per point <= 2 A per group <= 4 A per module

Voltage drop	0.4 V 0.5 A
Absolute maximum output	5 A during 500 µs per point
Load inductance	500 mH 4 Hz
Load capacitance	<= 50 µF
Leakage current	0.4 mA 30 V DC
Response time on output	<= 1 ms at state 0 to state 1 <= 1 ms at state 1 to state 0
Protection type	Internal output protection by 5 A fuse per group On input by resistor limited On output by transient voltage suppression
Associated fuse rating	5 A per group
Isolation between group	500 Vrms for 1 minute
Isolation between group and bus	1780 Vrms for 1 minute
Fault indication	Blown fuse on output Loss of field power on output
Power dissipation	1.75 W + (0.36 x input point on) + (1.1 total output load current)
Local signalling	1 LED green bus communication is present (Active) 1 LED red no voltage in output and input (F) 2 LEDs green output is turned on 2 LEDs red fault detected on the input point 2 LEDs red fault detected on the output point
Marking	CE
Bus current requirement	330 mA
Product weight	0.3 kg

## Environment

Resistance to electrostatic discharge	4 kV contact conforming to IEC 801-2 8 kV on air conforming to IEC 801-2
Resistance to electromagnetic fields	10 V/m 80...1000 MHz conforming to IEC 801-3
Ambient air temperature for operation	0...60 °C
Ambient air temperature for storage	-40...85 °C
Relative humidity	95 % without condensation
Operating altitude	<= 5000 m
Standards	CSA C22.2 No 142 FM Class 1 Division 2 UL 508
Product certifications	CUL