Product data sheet
Characteristics

140DDO35301
discrete output module Modicon Quantum - 32 O - positive logic (source)



Commercial status
End of Commercialisation :

⚠ End of Commercialisation

Main

Range of product	Modicon Quantum automation platform
Product or component type	Dc discrete output module
Discrete output number	32

Complementary

Group of channels	4 groups of 8
Discrete output logic	Positive logic (source)
Addressing requirement	2 output words
Discrete output voltage	24 V DC
Output voltage limits	19.2...30 V
Absolute maximum output	50 V for 1 s decaying pulse
Maximum voltage drop	<0.4 V 0.5 A
Maximum load current	16 A per module 4 A per group
Surge current	2 A
Response time	<= 0.1 ms at state 1 to state 0 <= 1 ms at state 0 to state 1
Maximum leakage current	1 MA 24 V
Load inductance	Inductance(H) = 0.5/((current(A))² x (switching frequency(Hz)))
Fault indication	Loss of field power Blown fuse
Associated fuse rating	3 A each point 5 A per group
Isolation between channels and bus	1780 Vrms DC for 1 minute
Isolation between group	500 Vrms DC for 1 minute
Protection type	Internal output protection by 5 A fuse per group
Power dissipation	5 W
Marking	CE
Local signalling	1 LED (green) for bus communication is present (Active) 1 LED (red) for external fault detected (F) 32 LEDs (green) for input status
Bus current requirement	330 MA
Module format	Standard
Net weight	0.45 Kg

Environment

Product certifications	FM Class 1 Division 2[RETURN]C-Tick[RETURN]RMRS[RETURN]GOST
Standards	CSA C22.2 No 142 UL 508
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…2000 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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	16.3 Cm
Package 1 Width	4.5 Cm
Package 1 Length	31.2 Cm
Package 1 Weight	440.0 G

Offer Sustainability

REACh free of SVHC	Yes
Mercury free	Yes
Sustainable packaging	No
EU RoHS Directive	Compliant
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which

Contractual warranty

Warranty (in months)	18

Product Life Status : Post commercialisation

140DDO35301 may be replaced by any of the following products:



BMXDDO1602

discrete output module, Modicon X80, 16 transistor outputs, 24V DC positive

Qty 1

Substitution date: |