



Main

Range of product	Modicon X80
Product or component type	Discrete output module
Discrete output number	64 conforming to EN/IEC 61131-2
Discrete output logic	Positive
Discrete output voltage	24 V 19...30 V DC
Discrete output current	0.1 A
Output compatibility	IEC 61131-2 type 3 DC input Not IEC 61131-2 DC input

Complementary

Current per channel	0.125 A
Current per module	≤ 6.4 A
Insulation resistance	> 10 MOhm 500 V DC
Power dissipation in W	≤ 6.85 W
Response time on output	1.2 ms
Paralleling of outputs	Yes : 3 maximum
Typical current consumption	160 mA at 3.3 V DC
MTBF reliability	159924 H
Protection type	External short-circuit protection Overload protection Overvoltage protection Reverse polarity protection
Output overload protection	With current limiter With electronic circuit breaker $0.125 \text{ A} < I_d < 0.185 \text{ A}$
Output overvoltage protection	With transil diode
Output short-circuit protection	With 2 A external fuse
Reverse polarity protection	Reverse mounted diode
Voltage detection threshold	< 14 V DC preactuator fault > 18 V DC preactuator at state 0

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Tungsten load	<= 1.2 W
Switching frequency	0.5/LI ² Hz
Overload time	<= 15 ms
Load impedance ohmic	>= 220 Ohm
Status LED	1 LED green for +32 channels indicator 1 LED green for module operating (RUN) 1 LED per channel green for channel diagnostic 1 LED red for module I/O 1 LED red for module error (ERR)
Product weight	0.15 kg

Environment

IP degree of protection	IP20
Directives	2014/30/EU - electromagnetic compatibility 2014/35/EU - low voltage directive 2012/19/EU - WEEE directive
Product certifications	RCM Merchant Navy CSA CE UL EAC
Standards	EN 61000-6-2 EN 61010-2-201 EN 61000-6-4 EN 61131-2
Dielectric strength	1500 V AC at 50/60 Hz 1 minute, output/ground 1500 V AC at 50/60 Hz 1 minute, output/internal logic 500 V DC 1 minute, between group of channels
Vibration resistance	3 gn
Shock resistance	30 gn
Ambient air temperature for storage	-40...85 °C
Ambient air temperature for operation	0...60 °C
Relative humidity	5...95 % without condensation 55 °C
Protective treatment	TC
Operating altitude	0...2000 m 2000...5000 m (with derating factor)

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0722 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available Product Environmental Profile
Product end of life instructions	Available End of Life Information

Contractual warranty

Warranty period	18 months
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