



Main

Range of product	Modicon X80
Product or component type	Discrete output module
Product specific application	For severe environments
Discrete output number	16 conforming to EN/IEC 61131-2
Discrete output logic	Positive
Discrete output voltage	24 V 19...30 V DC
Discrete output current	0.5 A
Output compatibility	IEC 61131-2 type 3 DC input Not IEC 61131-2 DC input

Complementary

Current per channel	0.625 A
Current per module	≤ 10 A
Leakage current	≤ 0.5 mA at state 0
[Ures] residual voltage	1.2 V at state 1
Insulation resistance	> 10 MOhm 500 V DC
Power dissipation in W	≤ 4 W
Response time on output	1.2 ms
Paralleling of outputs	Yes : 2 maximum
Typical current consumption	79 mA at 3.3 V DC
MTBF reliability	392285 H
Protection type	External short-circuit protection Overload protection Overvoltage protection Reverse polarity protection
Output overload protection	With current limiter With electronic circuit breaker $1.5 I_n < I_d < 2 I_n$
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
Tungsten load	<= 6 W
Switching frequency	0.5/LI ² Hz
Load impedance ohmic	> 48 Ohm
Status LED	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	0.12 kg

Environment

IP degree of protection	IP20
Directives	2012/19/EU - WEEE directive 2014/30/EU - electromagnetic compatibility 2014/35/EU - low voltage directive
Product certifications	RCM CSA CE IEC-Ex EAC Merchant Navy UL ATEX
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
Vibration resistance	3 gn
Shock resistance	30 gn
Ambient air temperature for storage	-40...85 °C
Ambient air temperature for operation	-25...70 °C
Relative humidity	5...95 % without condensation 55 °C
Protective treatment	Conformal coating
Environmental characteristic	Gas resistant class Gx Gas resistant class 3C4 Dust resistant class 3S4 Sand resistant class 3S4 Salt resistant level 2 Mold growth resistant class 3B2 Fungal spore resistant class 3B2
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 0911 - 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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