



Main

Range of product	Modicon X80
Product or component type	Discrete output module
Discrete output number	8 conforming to EN/IEC 61131-2
Discrete output type	Solid state Not isolated
Discrete output logic	Positive
Discrete output voltage	24 V 19...30 V DC
Discrete output current	0.5 A
Output compatibility	Not IEC 61131-2 DC input IEC 61131-2 type 3 DC input

Complementary

Current per channel	0.625 A
Maximum current per module	10 A
Maximum leakage current	0.5 mA at state 0
[Ures] residual voltage	1.2 V at state 1
Insulation resistance	> 10 MOhm 500 V DC
Maximum power dissipation in W	4.4 W
Response time on output	1.2 ms
Paralleling of outputs	Yes : 2 maximum
Typical current consumption	264 mA at 3.3 V DC 15 mA at 24 V
MTBF reliability	401208 H
Protection type	reverse polarity protection overload protection overvoltage protection short-circuit 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 sensor fault > 18 V DC sensor OK
Maximum tungsten load	6 W
Switching frequency	0.5/LI ² Hz
Load impedance ohmic	<= 48 Ohm
Status LED	1 LED (green)module operating (RUN): 1 LED per channel (green)channel diagnostic: 1 LED (red)module error (ERR): 1 LED (red)module I/O:
Product weight	0.12 kg

Environment

IP degree of protection	IP20
Product certifications	EAC Merchant Navy ATEX UL CSA TÜV
Standards	EN/IEC 61131-2 UL 61010-2-201 CSA C22.2 No 61010-2-201 EN/IEC 61010-2-201
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	15 gn
Ambient air temperature for storage	-40...85 °C
Ambient air temperature for operation	-25...60 °C
Relative humidity	5...95 % at 55 °C without condensation
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
REACH Regulation	REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Contractual warranty

Warranty	18 months
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