

Main

Range of product	Modicon X80
Product or component type	Discrete output module
Discrete output number	16 conforming to EN/IEC 61131-2
Discrete output type	Relay
Discrete output voltage	24...48 V 19...60 V DC 24...240 V 19...264 V AC

Complementary

[I _{th}] conventional free air thermal current	2 A
Insulation resistance	> 10 MOhm 500 V DC
Power dissipation in W	3 W
Response time on output	< 8 ms activation < 10 ms deactivation
Typical current consumption	100 mA at 3.3 V DC 95 mA at 24 V DC
MTBF reliability	2100000 H
Output overload protection	Use 1 fast blow fuse per channel or group of channel
Output overvoltage protection	Use discharge diode on each output DC Use RC circuit on each output AC Use ZNO surge limiter on each output AC
Output short-circuit protection	Use 1 fast blow fuse per channel or group of channel
Minimum switching current	1 mA 5 V DC
Electrical durability	AC-15: 100000 cycles at 240 VA 200 V (load factor 0.7) AC-15: 100000 cycles at 120 VA 200 V (load factor 0.35) AC-12: 100000 cycles at 200 VA 100 V AC-12: 100000 cycles at 80 VA 48 V AC-12: 100000 cycles at 50 VA 24 V AC-15: 100000 cycles at 120 VA 100 V AC-15: 100000 cycles at 120 VA 24 V AC-15: 100000 cycles at 120 VA 48 V DC-12: 100000 cycles at 24 W 24 V DC-13: 100000 cycles at 10 W 24 V DC-13: 100000 cycles at 10 W 48 V AC-15: 300000 cycles at 72 VA 200 V (load factor 0.7) AC-15: 300000 cycles at 36 VA 200 V (load factor 0.35) AC-12: 300000 cycles at 200 VA 200 V AC-12: 300000 cycles at 80 VA 100 V AC-12: 300000 cycles at 50 VA 48 V AC-15: 300000 cycles at 36 VA 100 V AC-15: 300000 cycles at 72 VA 100 V AC-15: 300000 cycles at 36 VA 48 V AC-15: 300000 cycles at 72 VA 48 V AC-15: 300000 cycles at 36 VA 24 V AC-15: 300000 cycles at 72 VA 24 V DC-13: 300000 cycles at 3 W 24 V DC-13: 300000 cycles at 3 W 48 V DC-13: 7000 cycles at 24 W 24 V DC-13: 7000 cycles at 24 W 48 V DC-12: 50000 cycles at 24 W 48 V

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Status LED	1 LED (green) RUN 1 LED per channel (green) channel diagnostic 1 LED (red) ERR 1 LED (red) I/O
Net weight	0.15 kg

Environment

IP degree of protection	IP20
Dielectric strength	2000 V AC at 50/60 Hz 1 min
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 % at 55 °C without condensation
Operating altitude	0...2000 m 2000...5000 m with derating factor

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.300 cm
Package 1 Width	11.000 cm
Package 1 Length	11.500 cm
Package 1 Weight	179.000 g
Unit Type of Package 2	S02
Number of Units in Package 2	15
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	2.960 kg

Offer Sustainability

REACH Regulation	REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	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
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Contractual warranty

Warranty	18 months
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