



### Main

Range of product	Modicon X80
Product or component type	Frequency module
Product destination	Turbo machine
Product compatibility	M340 PLC M580 PLC
Device application	Speed and frequency control
Number of channels	2
Input frequency	0...500 kHz
Type of measurement	Frequency
Function available	Compare
Number of inputs	2 for MPU 2 for APU
Input compatibility	19.2...30 V incremental encoder Active pick-up sensor, 10...30 V totem pole Magnetic pick-up sensor
Number of outputs	2

### Complementary

Output type	Reflex digital output
Cycle time	1 ms
Isolation voltage	1400 V DCFor 1 min field/bus or ground 1000 V DCFor 1 min differential interfaces 1000 V DCFor 1 min input/output
Input type	High speed
Input voltage	100 V AC 24 V DC
Input voltage limits	19.2...30 V at 60 °C 26.4 V at 70 °C
Voltage state 1 guaranteed	0.3...100 V AC for MPU 2.5...30 V DC for APU

Voltage state 0 guaranteed	< 0.3 V
Discrete output logic	Positive logic (source)
Output voltage	24 V DC
Output voltage limits	19.2...30 V
Maximum load current	0.5 A per output 1 A per module
Leakage current	<= 0.1 mA at state 0
Voltage drop	<= 3 V at state 1
Output overload protection	Integrated
Output short-circuit protection	1.5 A integrated
Overlap time	0.2 ms
Electrical connection	Connector with 28 pins
Current consumption	<= 200 mA at 3.3 V DC for bus supply <= 30 mA at 24 V DC for sensor supply
Module format	Standard
Product weight	0.124 kg

## Environment

Ambient air temperature for operation	-25...70 °C
Relative humidity	10...95 % without condensation
Directives	2012/19/EU - WEEE directive 2014/30/EU - electromagnetic compatibility 2014/35/EU - low voltage directive
Standards	EN 61000-6-2 EN 61000-6-4 EN 61131-2 EN 61010-2-201
IP degree of protection	IP20
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

## Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0901 - Schneider Electric declaration of conformity <a href="#">Schneider Electric declaration of conformity</a>
REACH	Reference not containing SVHC above the threshold <a href="#">Reference not containing SVHC above the threshold</a>
Product environmental profile	Available
Product end of life instructions	Available