



## Main

|                           |                        |
|---------------------------|------------------------|
| Range of Product          | Modicon X80            |
| Product or Component Type | Discrete output module |
| Discrete output number    | 16                     |
| Discrete output type      | Solid state            |
| Discrete output logic     | Negative               |
| Discrete output voltage   | 24 V 19...30 V DC      |
| Discrete output current   | 0.5 A                  |

## Complementary

|                                 |  |
|---------------------------------|--|
| Current per channel             | 0.625 A  |
| Maximum current per module      | 10 A   |
| Maximum leakage current         | 0.5 mA at state 0  |
| Maximum voltage drop            | <1.2 V at state 1  |
| Insulation resistance           | > 10 MOhm 500 V DC   |
| Power dissipation in W          | 2.26 W   |
| Response time on output         | 1.2 ms   |
| Paralleling of outputs          | Yes : 3 maximum  |
| Typical current consumption     | 79 mA 3.3 V DC   |
| MTBF reliability                | 490000 H   |
| Protection type                 | Reverse polarity protection<br>External short-circuit protection<br>Overload protection<br>Overvoltage protection                                |
| Output overload protection      | With electronic circuit breaker $1.5 I_n < I_d < 2 I_n$<br>With current limiter  |
| 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<br>> 18 V DC preactuator at state 0  |
| Maximum tungsten load           | 6 W  |
| Switching frequency             | $0.5/LI^2$ Hz  |
| Load impedance ohmic            | $\geq 48$ Ohm  |
| Status LED                      | 1 LED (Green) module operating (RUN)<br>1 LED per channel (Green) channel diagnostic<br>1 LED (Red) module error (ERR)<br>1 LED (Red) module I/O |
| Net Weight                      | 0.26 lb(US) (0.12 kg)  |

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.

## Environment

|                                       |  |
|---------------------------------------|--|
| IP Degree of Protection               | IP20   |
| Directives                            | 2014/35/EU - low voltage directive<br>2014/30/EU - electromagnetic compatibility                 |
| Dielectric strength                   | 1500 V AC 50/60 Hz 1 minute, output/ground<br>1500 V AC 50/60 Hz 1 minute, output/internal logic |
| Vibration resistance                  | 3 gn   |
| Shock resistance                      | 30 gn  |
| Ambient Air Temperature for Storage   | -40...185 °F (-40...85 °C)   |
| Ambient Air Temperature for Operation | 32...140 °F (0...60 °C)  |
| Relative humidity                     | 5...95 % 131 °F (55 °C) without condensation   |
| Operating altitude                    | 0...6561.68 ft (0...2000 m)<br>2000...5000 m with derating factor                                |

## Ordering and shipping details

|                   |               |
|-------------------|---------------|
| Category          | US1PC3418160  |
| Discount Schedule | PC34          |
| GTIN              | 3595863966961 |
| Returnability     | Yes           |
| Country of origin | US            |

## Packing Units

|                              |                         |
|------------------------------|-------------------------|
| Unit Type of Package 1       | PCE                     |
| Number of Units in Package 1 | 1                       |
| Package 1 Height             | 2.165 in (5.500 cm)     |
| Package 1 Width              | 4.528 in (11.500 cm)    |
| Package 1 Length             | 4.646 in (11.800 cm)    |
| Package 1 Weight             | 5.115 oz (145.000 g)    |
| Unit Type of Package 2       | S02                     |
| Number of Units in Package 2 | 15                      |
| Package 2 Height             | 5.906 in (15.000 cm)    |
| Package 2 Width              | 11.811 in (30.000 cm)   |
| Package 2 Length             | 15.748 in (40.000 cm)   |
| Package 2 Weight             | 5.525 lb(US) (2.506 kg) |

## Offer Sustainability

|                            |   |
|----------------------------|---|
| Sustainable offer status   | Green Premium product   |
| 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |
| REACH Regulation           | <a href="#">REACH Declaration</a>   |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)  |
| Mercury free               | Yes   |
| RoHS exemption information | <a href="#">Yes</a>   |
| China RoHS Regulation      | <a href="#">China RoHS Declaration</a>  |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>   |
| Circularity Profile        | <a href="#">End Of Life Information</a>   |
| 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 |
|----------|-----------|