Product data sheet

Specifications



Discrete output module, Modicon X80, 8 NO/NC relay outputs, 24 to 240V AC / 24 to 125V DC, for severe environments

BMXDRC0805H

Product availability: Stock - Normally stocked in distribution facility

Main

Range of Product	Modicon X80
Product or Component Type	Relay discrete output module
Discrete output logic	Positive or negative

Complementary

Minimum switching current	10 mA 5 V DC
Response time on output	<= 10 ms activation <= 13 ms deactivation
Insulation resistance	> 10 MOhm 500 V DC
MTBF reliability	2650000 H
Protection type	External short-circuit protection External overload protection External overvoltage protection, inductive AC External overvoltage protection, inductive DC
Product Weight	0.417 lb(US) (0.189 kg)

Environment

IP Degree of Protection	IP20
Protective treatment	Conformal coating
Dielectric strength	1780 V AC 50/60 Hz 1 min
Relative humidity	5…95 % -13…158 °F (-25…70 °C) without condensation
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

Ordering and shipping details

Category	US1PC3418160
Discount Schedule	PC34
GTIN	3606489485078
Returnability	Yes
Country of origin	US

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Disclaimer: 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

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	2.165 in (5.500 cm)
Package 1 Width	7.047 in (17.900 cm)
Package 1 Length	10.276 in (26.100 cm)
Package weight(Lbs)	12.557 oz (356.000 g)
Unit Type of Package 2	S03
Number of Units in Package 2	8
Package 2 Height	11.811 in (30.000 cm)
Package 2 Width	11.811 in (30.000 cm)
Package 2 Length	15.748 in (40.000 cm)
Package 2 Weight	7.346 lb(US) (3.332 kg)

Contractual warranty

Warranty (in months)	18

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Environmental footprint

Total lifecycle Carbon footprint	**26 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**20 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**0 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0.3 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**6 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**0.4 kg CO2 eq.**
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**Yes**
SCIP Number	**43b0fbab-d94b-43e8-be0a-0b39cadd288b**
EU RoHS Directive	Compliant By Exemption
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
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**

Use Longer

Lifetime extension

Repair	**No**

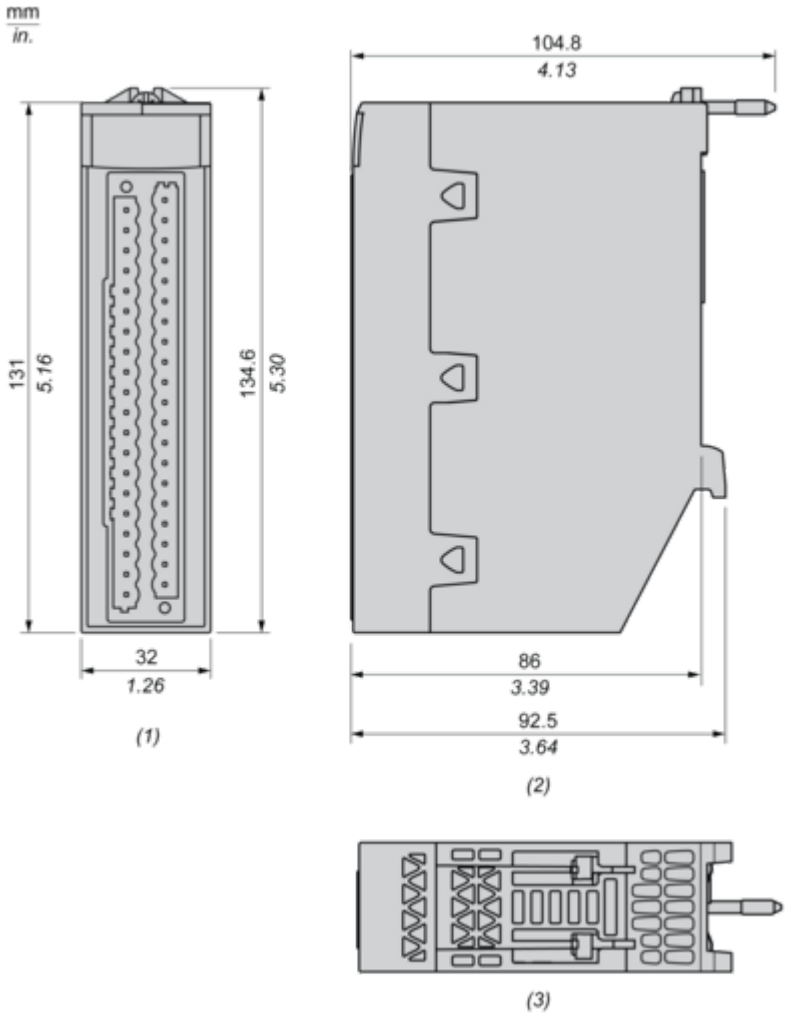
Use Again

Repack and remanufacture

Recyclability potential, in %	**0**
Circularity Profile	End of Life Information
Take-back	**No**

Dimensions Drawings

Dimensions

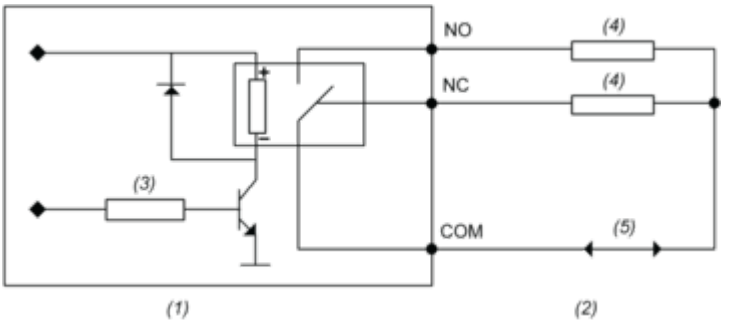


(1) Front view
(2) Right view
(3) Top view

Connections and Schema

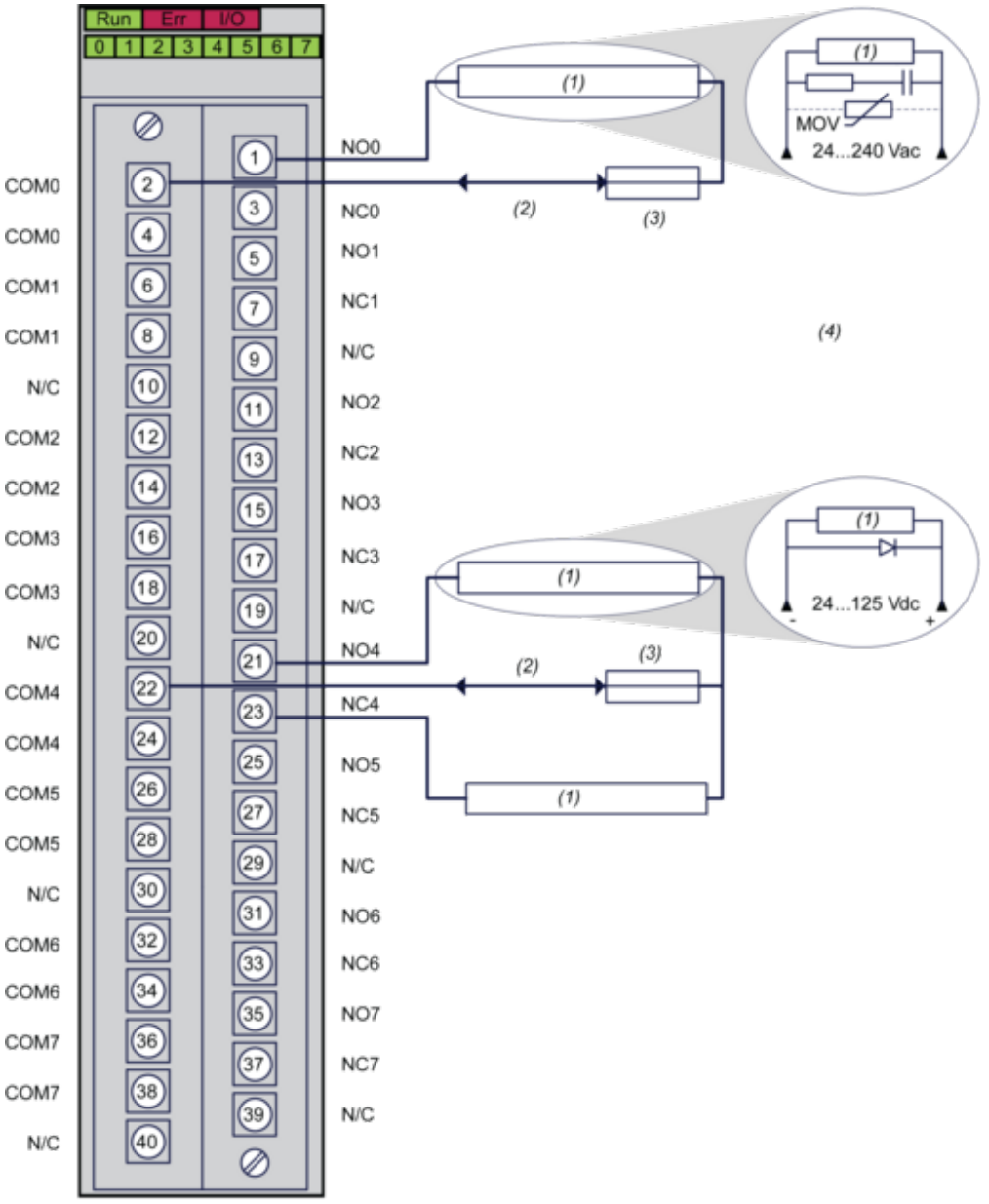
Connecting the Module

Output Circuit Diagram



(1) Module
(2) Output
(3) Command
(4) Pre-actuator
(5) Power supply
NO : Normally open output
NC : Normally closed output

Module Connection



(1) Pre-actuator
(2) Power supply : 24...125 Vdc or 24...240 Vac
(3) Fuse : Use appropriate fast-blow fuse for each relay
(4) We recommend installing this type of protection on the terminals of each pre-actuator
N/C : Not connected

Image of product / Alternate images

Alternative








SN:XXXXXXXXXXX
PV:XX
RL:XX




Schneider
Electric
Modicon
BMXDRC0805
DIG 8NO/NC
125VDC/250VAC
ISOLATED RELAYS
DOM : XXXX