

SPECIFICATIONS

No. ISI1230

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SX8R SERIES Bus Coupler Module SX8R-ECB \diamondsuit

—Terminal Style

1. Applicable Standard UL61010-2-201 (UL-Listing)

CSA C22.2No.61010-2-201 (c-UL-Listing)

CSA C22.2No.213 (c-UL-Listing)

ANSI/ISA12.12.01-2007

2. Operating Conditions

(1) Ambient Operating Temperature
(2) Ambient Storage Temperature
(3) Relative Humidity
(4) Storage Humidity
(5) to +65 (no freezing)
(25 to +70°C (no freezing)
(3) Relative Humidity
(4) Storage Humidity
(5) to +65 (no freezing)
(6) to 95%, no condensation
(7) to 95%, no condensation

(5) Atmosphere No corrosive gas(6) Pollution Degree 2 (IEC60664-1)

(7) Altitude or Air Pressure 1,013 to 795 hPa (0 to 2,000 m) during operation,

1,013 to 701 hPa (0 to 3,000 m) during transport

3. Ratings

(1) Rated Operating Voltage
 (2) Voltage Fluctuation Range
 (2) Voltage Fluctuation Range
 (3) Voltage Fluctuation Range
 (4) VDC (supplied from external power)
 (2) Voltage Fluctuation Range

(3) Inrush Current 35A maximum

4. Constructions

(1) Outside View See attached sheet.

(2) Installation 35mm DIN rail or Panel mount

(3) Degree of Protection IP20(IEC60529)

(4) Terminal Style— (\diamondsuit) Push-in type (4), Screw fastened type (1)

(5) Power Specifications(6) Weight (approx.)24V DC165g

5. General Specifications

(1) Current Draw

(a) Internal power –

(b) External power When maximum number of modules connected 0.85A (24V DC)

(2) Allowable Momentary Power Interruption 10 ms (rated power voltage)

(3) Isolation between Internal Circuit Not isolated

(4) Vibration Resistance 5 to 8.4 Hz half amplitude 3.5 mm, 8.4 to 150 Hz,

acceleration 9.8 m/s² (1 G), each direction XYZ

2 hours (IEC/EN 61131-2)

(5) Insulation Resistance Between power and FE terminals:100 MΩ or higher

(500V DC megger)

(6) Dielectric Strength Between power and FE terminals: 500 V AC, 1 minute

(7) Shock Resistance 147m/s²(15G), 11ms, XYZ, 3 axes, 6 directions, 3times each (IEC 61131-2)

(8) EMC Immunity IEC/EN61131-2, Zone B compatibility

(9) Power Supply Wire UL1007 AWG24~16, UL2464 AWG24~16, UL1015 AWG20~16

(10) Ground Wire UL1007 AWG16

(11) Ground D-type ground (Class 3 ground)

(12) Insertion Durability of Power Supply Connector 100 times minimum.

(13) Effect of Improper Power Supply Connection Reverse polarity: No operation, no damage

Improper voltage: Permanent damage may be caused

Improper lead connection: Permanent damage may be caused

(14) Installation Location Inside cabinet (15) Device Class Open equipment

6. Communication Port Specifications

(1) Communication Type IEEE802.3 compliant,

10BASE-T,100BASE-TX (Auto MDI/MDI-X supported)

(2) Communication Protocol

(a) Ethernet Port 1 ModbusTCP communication(server) ,

EtherNet/IP communication(adapter)
CC-Link Field Basic communication(slave)

Maintenance communication(sever)

(b) Ethernet Port2 Maintenance communication(sever)
(3) EtherNet/IP Communication Specifications I/O message communication functions

RPI (communication cycle) : 2ms~10s (in 1ms increments)

(4) Connector RJ45

(5) Cable CAT 5 or higher, STP

(6) Maximum Cable Length 100m

(7) Isolation between Internal Circuit Pulse transformer isolation