

A9XMSB11

Acti9 Smartlink - Modbus RS485 slave - smart communication I/O module



Main

Range	Acti 9
Product name	Acti 9 Smartlink
Product or component type	Smart communication module
Device application	Breaker status monitoring Basic energy metering E Load control
Connected auxiliaries	Up to 7 More than 7
Device short name	Smartlink SI B Modbus
Group of channels	1 group of 11 digital channels
Supply current	1.5 A
[Us] rated supply voltage	24 V DC +/- 20 %
Mounting location	Between 2 horizontal DIN rails
Product compatibility	Pulse output meter Digital input and output
Communication service	Modbus slave RS485
Web server	BMS controller compatible

Complementary

Application specific I/O	Pulse totalising counter Pulse converter
Protection type	Against reverse polarity for auxiliary supply Against reverse polarity for input Short-circuit protection for digital output Overvoltage at <= 33 V DC for digital output
Immunity to microbreaks	10 ms
Reset	Factory reset on front face
Input/output type	2 inputs + 1 output per digital channel
Input type	Current sink for digital input, 24 V DC +/- 20 % at 2.5 µA
Maximum permanent current	5 µA 5 µA 5 µA for digital input
Electronic filtering time	1 ms for digital input
Output type	Logic current source at 24 V DC, 100 mA
Voltage drop	< 1 V digital output
Inrush current	0.5 A for digital output 3 A for power supply
Leakage current	0.1 mA for digital output
Local signalling	1 LED yellow color for communication 1 LED green, orange and red color for status
Type of setting	Modbus address 01...99 for address encoders Reset for address encoders Reset for plug in, plug out the auxiliary supply
Mounting position	Horizontal Vertical
Mounting support	DIN rail
Colour	White (RAL 9003)
Location of connection	Front
Connections - terminals	Plug-in connector qty: 1 for supply circuit Plug-in connector qty: 1 for communication bus

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Spring-loaded terminal Ti24 qty: 11 for digital input/output, ordered separately

Clamping connection capacity	1 x 0.5...1 x 1.5 mm ² , flexible with cable end for control 1 x 0.5...1 x 1.5 mm ² , flexible without cable end for control 1 x 0.5...1 x 1.5 mm ² , rigid with cable end for control 1 x 0.5...1 x 1.5 mm ² , rigid without cable end for control 2 x 0.2...2 x 1.5 mm ² , flexible with cable end for supply circuit 2 x 0.2...2 x 1.5 mm ² , flexible without cable end for supply circuit 2 x 0.2...2 x 1.5 mm ² , rigid with cable end for supply circuit 2 x 0.2...2 x 1.5 mm ² , rigid without cable end for supply circuit 2 x 0.25 mm ² for twisted shielded pairs cable, flexible with cable end for communication bus 2 x 0.25 mm ² for twisted shielded pairs cable, flexible without cable end for communication bus 2 x 0.25 mm ² for twisted shielded pairs cable, rigid with cable end for communication bus 2 x 0.25 mm ² for twisted shielded pairs cable, rigid without cable end for communication bus
Wire stripping length	10 mm for control 7 mm for communication bus 7 mm for supply circuit
Communication network type	RS485, Modbus RTU, slave with connector SUB-D 9 at 9.6...19.2 kbauds
9 mm pitches	0 modules useful on Din rail
Height	23 mm
Width	359 mm
Depth	40 mm
Range compatibility	Multi 9 C60 Acti 9 iC60 Acti 9 iID Acti 9 iSW-NA Acti 9 iCT auxiliary Acti 9 iTL auxiliary Clario iDPN Vigi Acti 9 RCA iC60 Ti24 connector Librio C40 ProDis DT40 ProDis DT60 Acti 9 I-NA ProDis ITG40 Clario iDPN Acti 9 Reflex iC60 Ti24 connector Linergy Linergy FM Acti 9 iOF+SD 24 Acti 9 iACT24 Acti 9 iATL24 Powerlogic pulse output meter
Commissioning interface	Web page Acti 9 Smart test
Web services	Web page

Environment

pollution degree	3
electromagnetic compatibility	Resistance to electrostatic discharge at 8 kV at air discharge conforming to IEC 61000-4-2 Resistance to electrostatic discharge at 4 kV at contact discharge conforming to IEC 61000-4-2 Resistance to radiated electromagnetic fields at 10 V/m at 80 MHz...3 GHz conforming to IEC 61000-4-3 Resistance to fast transient at 2 kV at 5...100 kHz for power supply conforming to IEC 61000-4-4 Resistance to fast transient at 1 kV for input/output conforming to IEC 61000-4-4 Resistance to fast transient at 1 kV for communication bus conforming to IEC 61000-4-4 Conducted EMC at 10 V at 0.15...80 MHz conforming to IEC 61000-4-6 Immunity to magnetic fields at network frequency at 30 A/m conforming to IEC 61000-4-8
tropicalisation	2
relative humidity	90 % at 40 °C
operating altitude	2000 m
ambient air temperature for operation	-25...60 °C
ambient air temperature for storage	-40...85 °C

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1201 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available
