



Main

Range	Acti 9
Product name	Acti 9 Smartlink
Product or component type	Smart communication module
Device short name	Smartlink SI B Modbus
Device application	Breaker status monitoring Basic energy metering E Load control
Connected auxiliaries	Up to 7 More than 7
Group of channels	1 group of 11 digital channels
Supply current	1.5 A
[Us] rated supply voltage	24 V DC +/- 20 %
Product compatibility	Digital input and output Pulse output meter
Communication service	Modbus slave RS485
Communication port protocol	Modbus RTU, slave at 9.6...19.2 kbauds
Connector type	Modbus RTU with connector RS485/SUB-D 9
Web server	BMS controller compatible
Web services	Web page

Complementary

Application specific I/O	Pulse totalising counter Pulse converter
Protection type	Short-circuit protection for digital output Overvoltage at 33 V DC for digital output Against reverse polarity for auxiliary supply Against reverse polarity for input
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 for digital input
Electronic filtering time	1 ms for digital input
Output type	Logic current source 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 mode	Horizontal and vertical, on 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 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	7 mm for supply circuit 10 mm for control 7 mm for communication bus
9 mm pitches	0 modules useful on Din rail
Height	23 mm
Width	359 mm
Depth	40 mm
Range compatibility	Acti 9: Acti 9 iDPN Acti 9: Acti 9 iDPN Vigi Acti 9: Acti 9 DT40 Acti 9: Acti 9 C40 Acti 9: Acti 9 ITG40 Multi 9: Multi 9 C60 Acti 9: Acti 9 iID Acti 9: Acti 9 iSW-NA Acti 9: Acti 9 iC60 Acti 9: Acti 9 DT60 Linergy: Linergy FM Acti 9: Acti 9 iCT auxiliary Acti 9: Acti 9 I-NA Acti 9: Acti 9 Reflex iC60 Ti24 connector Acti 9: iTL auxiliary Acti 9: iOF+SD 24 Acti 9: iACT24 Acti 9: iATL24 Powerlogic: pulse output meter Acti 9: RCA iC60
Commissioning interface	Web page Acti 9 Smart test

Environment

Pollution degree	3
Electromagnetic compatibility	Resistance to electrostatic discharge 8 kV air discharge IEC 61000-4-2

Resistance to electrostatic discharge 4 kV contact discharge IEC 61000-4-2
 Resistance to radiated electromagnetic fields 10 V/m 80 MHz...3 GHz IEC 61000-4-3
 Resistance to fast transient 2 kV 5...100 kHz power supply IEC 61000-4-4
 Resistance to fast transient 1 kV input/output IEC 61000-4-4
 Resistance to fast transient 1 kV communication bus IEC 61000-4-4
 Conducted EMC 10 V 0.15...80 MHz IEC 61000-4-6
 Immunity to magnetic fields at network frequency 30 A/m 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
Standards	EN/IEC 61131-2 EN/IEC 62053-31

Offer Sustainability

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

Contractual warranty

Warranty period	18 months
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