



### Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1412 - Schneider Electric declaration of conformity <a href="#">Schneider Electric declaration of conformity</a>
REACH	Reference contains SVHC above the threshold - Go to CaP for more details <a href="#">Go to CaP for more details</a>
Product environmental profile	Available
Product end of life instructions	Available

### 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 Improved load monitoring E, U, I, P, Pf Load control
Connected auxiliaries	Up to 7 More than 7
Device short name	Smartlink SI B Ethernet
Group of channels	1 group of 7 digital channels 1 group of 1 analog channel
Supply current	1.5 A
Inrush current	3 A
[Us] rated supply voltage	24 V DC +/- 20 %
Mounting location	Between 2 horizontal DIN rails
Product compatibility	Pulse output meter Modbus RS485 meter Digital input and output Analog input Modbus RS485 slave

Communication service	Ethernet Modbus TCP/IP server Web server
Web server	Embedded web page BMS controller compatible
<b>Complementary</b>	
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 $\leq 33$ 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 2 inputs per analog channel
Input type	Voltage for analog input, 0...10 V DC Current for analog input, 4...20 mA Current sink for digital input, 24 V DC $\pm 20\%$ at 2.5 $\mu$ A
Maximum permanent current	0.005 A for digital input
Absolute accuracy error	$\pm 1\%$ of full scale for analog input 12 bits
Electronic filtering time	1 ms for digital input 30 ms for analog 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
Leakage current	0.1 mA for digital output
Local signalling	1 LED green, orange and red color for NS (Network Status) 1 LED yellow color for communication 1 LED green, orange and red color for status 1 LED green and yellow color for communication (LK/ACT 10/100)
Mounting position	Horizontal Vertical
Mounting support	DIN rail
Colour	White (RAL 9003)
Location of connection	Front
Connections - terminals	Plug-in connector qty: 1 for communication bus RJ45 connector qty: 1 for ETHERNET, ordered separately Spring-loaded terminal Ti24 qty: 7 for digital input/output, ordered separately Plug-in connector qty: 1 for supply circuit Plug-in connector qty: 1 for analog input
Clamping connection capacity	2 x 0.25 mm <sup>2</sup> for twisted shielded pairs cable, flexible with cable end for communication bus 2 x 0.25 mm <sup>2</sup> for twisted shielded pairs cable, flexible without cable end for communication bus 2 x 0.25 mm <sup>2</sup> for twisted shielded pairs cable, rigid without cable end for communication bus 1 x 0.5...1 x 1.5 mm <sup>2</sup> , flexible with cable end for control 1 x 0.5...1 x 1.5 mm <sup>2</sup> , rigid with cable end for control 1 x 0.5...1 x 1.5 mm <sup>2</sup> , rigid without cable end for control 2 x 0.2...2 x 1.5 mm <sup>2</sup> , flexible with cable end for supply circuit 2 x 0.2...2 x 1.5 mm <sup>2</sup> , flexible without cable end for supply circuit 2 x 0.2...2 x 1.5 mm <sup>2</sup> , rigid without cable end for supply circuit 2 x 0.25...2 x 1.5 mm <sup>2</sup> for twisted shielded pairs cable, rigid with cable end for analog input 2 x 0.25...2 x 1.5 mm <sup>2</sup> for twisted shielded pairs cable, flexible with cable end for analog input 1 x 0.5...1 x 1.5 mm <sup>2</sup> , flexible without cable end for control 2 x 0.25 mm <sup>2</sup> for twisted shielded pairs cable, rigid with cable end for communication bus 2 x 0.25...2 x 1.5 mm <sup>2</sup> for twisted shielded pairs cable, rigid without cable end for analog input 2 x 0.25...2 x 1.5 mm <sup>2</sup> for twisted shielded pairs cable, flexible without cable end for analog input 2 x 0.2...2 x 1.5 mm <sup>2</sup> , rigid with cable end for supply circuit
Wire stripping length	10 mm for control 7 mm for supply circuit 7 mm for analog input 7 mm for communication bus
Communication network type	RS485, Modbus RTU, master with connector SUB-D 9 at 9.6...19.2 kbauds Ethernet, Modbus TCP/IP, server with connector RJ45 at 10, 100 Mbit/s
9 mm pitches	0 modules useful on Din rail

Height	23 mm
Width	359 mm
Depth	40 mm
Range compatibility	Acti 9 iTL auxiliary Acti 9 iSW-NA Multi 9 C60 ProDis ITG40 Acti 9 iOF+SD 24 Acti 9 iATL24 Powerlogic Modbus meter Acti 9 iID ProDis DT40 ProDis DT60 Acti 9 I-NA Linergy Linergy FM Powerlogic pulse output meter Clario iDPN Vigi Libro C40 Acti 9 Reflex iC60 Ti24 connector Acti 9 iACT24 Acti 9 iCT auxiliary Acti 9 iC60 Acti 9 RCA iC60 Ti24 connector Clario iDPN
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 fast transient at 1 kV for input/output conforming to IEC 61000-4-4 Conducted emission, class A at 0.15...30 MHz conforming to IEC 61131-2 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 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 Radiated emission, class A at 30...1000 MHz conforming to IEC 61131-3 Ed.3
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