



Main

Range of product	Acti 9
Product name	Acti 9 Smartlink
Product or component type	Smart communication module
Device short name	Smartlink Modbus
Application type	Breaker status monitoring Basic energy metering E Load control
Number max of connected devices	Up to 11 wired devices
Group of channels	1 group of 11 digital channels
Supply current	≤ 1.5 A
[Us] rated supply voltage	24 V DC +/- 20 %
Connectivity to devices	Digital input and output Pulse output meter
Communication service	Modbus slave RS485
Web server	BMS controller compatible
User interface	Web page

Complementary

Application specific I/O	Pulse totalising counter Pulse converter
Protection type	Overvoltage at 33 V DC for digital output Short-circuit protection for analog input 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 mA
Maximum permanent current	5 μ A 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 position	Horizontal and vertical, on DIN rail with accessory
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
Communication network type	RS485 Modbus RTU, slave at 9.6...19.2 kbauds with SUB-D 9 connector
9 mm pitches	0 modules useful on Din rail
Height	22.5 mm
Width	359 mm
Depth	42 mm
Product weight	195 g
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 Ecoreach

Environment

IP degree of protection	IP20
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
Vibration resistance	1 gn /±3.5 mm, 5...300 Hz, 10 cycles conforming to EN/IEC 60068-2-6
Shock resistance	15 gn /11 ms
Fire resistance	Other parts: 30 s at 650 °C conforming to IEC 60695-2-10 On connection terminals: 30 s at 960 °C conforming to IEC 60695-2-10
Tropicalisation	2
Relative humidity	93 % at 40 °C
Operating altitude	0...2000 m
Ambient air temperature for operation	-25...60 °C
Ambient air temperature for storage	-40...80 °C

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 Information
Product end of life instructions	Available

Contractual warranty

Warranty period	18 months
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