



Main

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| Range | Acti 9 |
| Product name | Acti 9 Smartlink |
| Product or component type | Smart communication module |
| Device short name | Smartlink SI B Ethernet |
| Device application | Improved load monitoring E, U, I, P, Pf Breaker status monitoring Load alarming Basic energy metering E Load control |
| Connected auxiliaries | Up to 7 More than 7 |
| Group of channels | 1 group of 7 digital channels 1 group of 1 analog channel |
| Supply current | 1.5 A |
| [Us] rated supply voltage | 24 V DC +/- 20 % |
| Mounting location | Between 2 horizontal DIN rails |
| Product compatibility | Wireless energy sensor Analog input Pulse output meter Modbus RS485 meter Digital input and output Modbus RS485 slave |
| Communication service | Ethernet Modbus TCP/IP server Web server |
| Web server | BMS controller compatible Embedded web page |
| Transmission support medium | Radio frequency 2.4 GHz PowerTag 20 |

Complementary

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| Application specific I/O | Pulse converter Pulse totalising counter |
| 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

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| Immunity to microbreaks | 10 ms |
| Reset | Factory reset on front face |
| Input/Output type | 2 inputs per analog channel 2 inputs + 1 output per digital 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 +/- 20 % at 2.5 µA |
| Maximum permanent current | 0.005 A for digital input |
| Absolute accuracy error | +/- 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 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 NS (Network Status) 1 LED green and yellow color for communication (LK/ACT 10/100) 1 LED green, orange and red color for status |
| 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 Spring-loaded terminal Ti24 qty: 7 for digital input/output, ordered separately Plug-in connector qty: 1 for analog input RJ45 connector qty: 1 for ETHERNET, 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 2 x 0.25...2 x 1.5 mm ² for twisted shielded pairs cable, rigid with cable end for analog input 2 x 0.25...2 x 1.5 mm ² for twisted shielded pairs cable, rigid without cable end for analog input 2 x 0.25...2 x 1.5 mm ² for twisted shielded pairs cable, flexible with cable end for analog input 2 x 0.25...2 x 1.5 mm ² for twisted shielded pairs cable, flexible without cable end for analog input |
| Wire stripping length | 7 mm for supply circuit 7 mm for analog input 10 mm for control 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 | Multi 9 C60 Acti 9 iC60 Acti 9 iID Acti 9 iSW-NA Clario iDPN Vigi Librio C40 |

ProDis DT40
 ProDis DT60
 Acti 9 I-NA
 ProDis ITG40
 Clario iDPN
 Linergy Linergy FM
 Acti 9 iOF+SD 24
 Acti 9 iACT24
 Acti 9 iATL24
 Acti 9 PowerTag (wireless energy sensor)
 Acti 9 iCT (auxiliary)
 Acti 9 iTL (auxiliary)
 Acti 9 RCA iC60 Ti24 (connector)
 Acti 9 Reflex iC60 Ti24 (connector)
 Powerlogic (pulse output meter)
 Powerlogic (Modbus meter)

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| Commissioning interface | Web page Acti 9 Smart test |
| Web services | Web page |

Environment

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| 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 Radiated emission, class A at 30...1000 MHz conforming to IEC 61131-3 Ed.3 Conducted emission, class A at 0.15...30 MHz conforming to IEC 61131-2 |
| 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

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| Sustainable offer status | Green Premium product |
| RoHS (date code: YYWW) | Compliant - since 1703 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity |
| REACH | Reference contains SVHC above the threshold - Go to CaP for more details Go to CaP for more details |
| Product environmental profile | Available |
| Product end of life instructions | Available |