



Figure similar

overcurrent protection enclosure 1/6 19", 4 x I, 3 BI, 5 BO (2 change-over contacts), 1 live contact, measuring inputs: I<sub>ph</sub> = 1 A/5 A, I<sub>e</sub> = 1 A/5 A, rated auxiliary power: DC 24, 48 V, installation enclosure, screw terminals region world, IEC / ANSI, language English (can be changed), front membrane standard, system interface port B (device underside, rear) PROFIBUS DP slave, electrical RS485 without system interface Port A, measurement: fault recording, functionality: basic version, without automatic reclosing, without fault locator

| Product details   |     |
|---|-----|
| number of function keys   | 9   |
| number of LEDs  | 8   |
| Product Functions   |     |
| type of measured value detection / of operational measured value / standard | Yes |
| type of measured value detection / expanded / min./max. values, mean values | No  |
| switching statistics  | Yes |
| product feature / logic editor  | Yes |
| control   | Yes |
| fault recording for analog and digital signals                              | Yes |
| monitoring  | Yes |
| number of parameter sets  | 4   |
| parameter set switchover  | Yes |
| Protection Functions  |     |
| three-pole tripping   | Yes |
| synchrocheck (ANSI 25)  | No  |
| undervoltage protection (ANSI 27)   | No  |
| reactive power-low-voltage protection / Q-U protection                      | No  |
| directional power monitoring (ANSI 32)                                      | No  |
| forward power supervision (ANSI 32F)  | No  |
| reverse power protection (ANSI 32R)   | No  |
| undercurrent protection (ANSI 37)   | Yes |
| unbalance protection (ANSI 46)  | Yes |
| overcurrent-time protection negative sequence system (ANSI 46)              | Yes |
| phase-rotation supervision (ANSI 47)  | No  |
| overvoltage protection negative-sequence system (ANSI 47)                   | No  |
| thermal overload protection (ANSI 49)                                       | Yes |
| definite overcurrent-time protection (ANSI 50/50N)                          | Yes |
| Switch On To Fault (ANSI SOTF)  | Yes |
| sensitive ground current protection (ANSI 50Ns)                             | No  |
| intermittent ground-fault protection  | Yes |
| circuit breaker failure protection (ANSI 50BF)                              | Yes |
| dependent overcurrent-time protection (ANSI 51/51N)                         | Yes |
| dynamic response value changeover (ANSI 51C)                                | Yes |
| voltage-dependent overcurrent-time protection (ANSI 51V)                    | No  |
| power factor (ANSI 55)  | No  |

|   |     |
|---|-----|
| overvoltage protection (ANSI 59)  | No  |
| voltage variation protection (ANSI 59R/27R)   | No  |
| overvoltage protection zero-sequence system (ANSI 59N)  | No  |
| measuring voltage failure detection (ANSI 60FL)   | No  |
| directional overcurrent-time protection, phases (ANSI 67)   | No  |
| directional ground fault protection (ANSI 67N)  | No  |
| directional sensitive ground-fault detection for resonant-grounded systems and isolated systems (ANSI 67Ns) | No  |
| directional intermittent ground-fault protection  | No  |
| trip-circuit supervision (ANSI 74TC)  | Yes |
| automatic reclosing (ANSI 79)   | No  |
| frequency protection (ANSI 81)  | No  |
| frequency variation protection (ANSI 81R)   | No  |
| closing lock-out (ANSI 86)  | Yes |
| ground fault differential protection (ANSI 87N)   | No  |
| fault locator (ANSI FL)   | No  |
| inrush current detection  | Yes |
| external trip initiation  | Yes |

#### Supply voltage

|   |             |
|---|-------------|
| supply voltage / at DC                  | 24 ... 48 V |
| type of voltage / of the supply voltage | DC          |

#### Inputs / Outputs

|   |   |
|---|---|
| number of digital inputs / maximum                            | 3 |
| number of digital outputs / incl. signaling contact / maximum | 6 |
| number of voltage inputs / maximum                            | 0 |
| number of current inputs / maximum                            | 4 |

#### Communication

|   |     |
|---|-----|
| product component / operating interface (on the front)                    | Yes |
| software interface version / DIGSI with USB-A port                        | yes |
| protocol / is supported / Modbus TCP                                      | No  |
| protocol / is supported / IEC 60870-5-103                                 | No  |
| protocol / is supported / IEC 60870-5-104                                 | No  |
| protocol / is supported / IEC 61850-8-1                                   | No  |
| protocol / is supported / Modbus RTU slave                                | No  |
| protocol / is supported / DNP 3, serial                                   | No  |
| protocol / is supported / DNP 3, TCP                                      | No  |
| protocol / is supported / PROFIBUS DP slave                               | Yes |
| protocol / is supported / PROFINET IO                                     | No  |
| protocol / is supported / PRP   | No  |
| protocol / is supported / RSTP  | No  |
| protocol / is supported / HSR   | No  |
| product function / supports further Ethernet services on Ethernet modules | No  |

#### Time synchronization

|                              |                                  |
|------------------------------|----------------------------------|
| type of time synchronization | Profibus, pulse via binary input |
|------------------------------|----------------------------------|

#### Mechanical Design

|   |                      |
|---|----------------------|
| width                                     | 74 mm                |
| height                                    | 265.5 mm             |
| depth                                     | 228.8 mm             |
| design of the display                     | Text display: 6 rows |
| product feature / plug-in terminal blocks | Yes                  |

#### Environmental conditions

|  |       |
|--|-------|
| ambient temperature / during operation / maximum | 55 °C |
|--|-------|

#### Further information

**Siemens is working on the renewal of the current EAC certificates.**

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

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**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**

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**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**

[https://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=7SJ8011-1EB90-1FA0\\_L0A](https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=7SJ8011-1EB90-1FA0_L0A)

**Tender specifications**

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