



Figure similar

ARGUS overcurrent relay Conformal coating on PCBA Directional, size 4 molded case, 4 CT, 3 VT, 10 LEDs, 9 binary inputs/ 6 binary outp. Measuring input: 1/5 A, 50/60 Hz with SEF input, 63.5/110 V auxiliary voltage: 24 to 60 V DC, binary input threshold 19 V DC Standard version - no cover Communication: front port: USB and rear: RS485 supporting IEC 60870-5-103 or MODBUS RTU or DNP 3.0. Front fascia: w. breaker control pushbuttons Protection function: Standard version plus autoreclose (79)

| Product details   |                               |
|---|-------------------------------|
| product feature / conformal coating   | Yes                           |
| number of function keys   | 7                             |
| number of LEDs  | 10                            |
| Model   |                               |
| design of the product   | Directional Overcurrent relay |
| 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                           |
| circuit breaker monitoring  | Yes                           |
| product feature / logic editor  | Yes                           |
| control   | Yes                           |
| fault recording for analog and digital signals                              | Yes                           |
| sequence-of-events recorder   | Yes                           |
| monitoring  | Yes                           |
| number of parameter sets  | 4                             |
| parameter set switchover  | Yes                           |
| Protection Functions  |                               |
| three-pole tripping   | Yes                           |
| undercurrent protection (ANSI 37)   | Yes                           |
| unbalance protection (ANSI 46)  | Yes                           |
| overcurrent-time protection negative sequence system (ANSI 46)              | Yes                           |
| thermal overload protection (ANSI 49)                                       | Yes                           |
| definite overcurrent-time protection (ANSI 50/50N)                          | Yes                           |
| sensitive ground current protection (ANSI 50Ns)                             | Yes                           |
| circuit breaker failure protection (ANSI 50BF)                              | Yes                           |
| dependent overcurrent-time protection (ANSI 51/51N)                         | Yes                           |
| dynamic response value changeover (ANSI 51C)                                | Yes                           |
| trip-circuit supervision (ANSI 74TC)  | Yes                           |
| automatic reclosing (ANSI 79)   | Yes                           |
| closing lock-out (ANSI 86)  | Yes                           |
| inrush current detection  | Yes                           |
| external trip initiation  | Yes                           |
| Supply voltage  |                               |
| supply voltage / at DC  | 24 ... 60 V                   |
| type of voltage / of the supply voltage                                     | DC                            |

| Inputs / Outputs  |                                   |
|---|-----------------------------------|
| number of digital inputs / maximum                            | 9                                 |
| number of digital outputs / incl. signaling contact / maximum | 6                                 |
| number of current inputs / maximum                            | 4                                 |
| Communication   |                                   |
| product component / operating interface (on the front)        | Yes                               |
| protocol / is supported / IEC 60870-5-103                     | Yes                               |
| protocol / is supported / Modbus RTU slave                    | Yes                               |
| protocol / is supported / DNP 3, serial                       | Yes                               |
| Time synchronization  |                                   |
| type of time synchronization                                  | BI/Communication Channel          |
| Mechanical Design   |                                   |
| width   | 105 mm                            |
| height  | 185 mm                            |
| depth   | 186 mm                            |
| frame size of enclosure                                       | E4 (4U High )                     |
| design of the display   | 20 Character x 4 line Backlit LCD |
| product component / with protective cover                     | No                                |
| product feature / plug-in terminal blocks                     | Yes                               |
| Environmental conditions                                      |                                   |
| ambient temperature / during operation                        | -10 ... +60 °C                    |
| Further information   |                                   |

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