



Figure similar

ARGUS overcurrent relay Non-directional, size 4 molded case, 4 CT, 10 LEDs, 9 binary inputs/ 6 binary outp. Measuring input: 1/5 A, 50/60 Hz, auxiliary voltage: DC 24 - 240 V, AC 24 - 240 V , binary input threshold 19 V DC, Plastic cover with 1 pushbutton for test/reset 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), 3 nos. additional BI

Product details	
product feature / conformal coating	No
number of function keys	7
number of LEDs	10
Model	
design of the product	Non 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	2
parameter set switchover	Yes
Protection Functions	
three-pole tripping	Yes
undervoltage protection (ANSI 27)	No
directional power monitoring (ANSI 32)	No
undercurrent protection (ANSI 37)	Yes
unbalance protection (ANSI 46)	Yes
overcurrent-time protection negative sequence system (ANSI 46)	Yes
overvoltage protection negative-sequence system (ANSI 47)	No
thermal overload protection (ANSI 49)	Yes
definite overcurrent-time protection (ANSI 50/50N)	Yes
arc protection (ANSI AFD)	Yes
sensitive ground current protection (ANSI 50Ns)	No
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

overvoltage protection zero-sequence system (ANSI 59N)	No
CT/VT monitoring (ANSI 60CTS / ANSI 60VTS)	Yes
REF protection (ANSI 64H)	Yes
directional overcurrent-time protection, phases (ANSI 67)	No
directional sensitive ground-fault detection for resonant-grounded systems and isolated systems (ANSI 67Ns)	No
directional sensitive ground fault protection – measured 3U0/I0, φ (ANSI 67SEF according to CEI 0-16)	No
trip-circuit supervision (ANSI 74TC)	Yes
automatic reclosing (ANSI 79)	Yes
frequency protection (ANSI 81)	No
monitoring of the total harmonic distortion (ANSI 81I_THD)	Yes
closing lock-out (ANSI 86)	Yes
inrush current detection	Yes
external trip initiation	Yes
Supply voltage	
supply voltage / at AC	48 ... 240 V
supply voltage / at DC	24 ... 240 V
type of voltage / of the supply voltage	AC/DC
Inputs / Outputs	
number of digital inputs / maximum	9
number of voltage inputs	0
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 device	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	Yes
product feature / plug-in terminal blocks	Yes
Environmental conditions	
ambient temperature / during operation	-10 ... +60 °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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<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=7SR1003-1MB20-2DA1>

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

<https://support.industry.siemens.com/cs/ww/en/ps/7SR1003-1MB20-2DA1>

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

https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=7SR1003-1MB20-2DA1

Tender specifications

<https://www.siemens.com/specifications>

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