



Figure similar

Solkor 7SR18 differential protection, E6 case size, 3 binary inputs, 5 binary outputs, 18 LEDs, measuring input: 4 CTs (1A/5A), 24-250 V DC, 100 - 230 V AC, binary input threshold 88 V DC, signal: optical fibre link (1300 nm) (LC connection) 40 km, communication interface: USB front, RS485 rear, IEC 60870-5-103 + Modbus RTU + DNP3 (user selectable), protection function packages: standard version

Product details	
product feature / conformal coating	No
number of function keys	5
number of LEDs	19
Product Functions	
type of measured value detection / of operational measured value / standard	Yes
type of measured value detection / expanded / min./max. values, mean values	Yes
switching statistics	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
Protection Functions	
three-pole tripping	Yes
undercurrent protection (ANSI 37)	Yes
overcurrent-time protection negative sequence system (ANSI 46)	Yes
thermal overload protection (ANSI 49)	Yes
definite overcurrent-time protection (ANSI 50/50N)	Yes
Switch On To Fault (ANSI SOTF)	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
directional overcurrent-time protection, phases (ANSI 67)	No
directional ground fault protection (ANSI 67N)	No
trip-circuit supervision (ANSI 74TC)	Yes
automatic reclosing (ANSI 79)	No
closing lock-out (ANSI 86)	Yes
differential protection (ANSI 87)	Yes
inrush current detection	Yes
external trip initiation	Yes
Supply voltage	
supply voltage / at AC	100 ... 230 V
supply voltage / at DC	24 ... 250 V

Inputs / Outputs	
number of digital inputs / maximum	3
number of digital outputs / incl. signaling contact / maximum	5
number of voltage inputs / maximum	0
number of current inputs / maximum	4
Communication	
product component / operating interface (on the front)	Yes
number of interfaces / according to RS 485	1
number of interfaces / according to Ethernet	0
product component / optical interface	Yes
product component / optical interface / note	40 km
protocol / is supported / IEC 61850	No
protocol / is supported / IEC 60870-5-103	Yes
protocol / is supported / Modbus RTU slave	Yes
protocol / is supported / DNP 3, serial	Yes
protocol / is supported / PRP	No
protocol / is supported / RSTP	No
protocol / is supported / HSR	No
Time synchronization	
type of time synchronization	1sec/1min Pulse, Serial Comms
Mechanical Design	
width	155.5 mm
height	168 mm
depth	216.5 mm
frame size of enclosure	E6
design of the display	Text, 4 lines x 20 characters
product feature / plug-in terminal blocks	Yes
Environmental conditions	
ambient temperature / during operation	-10 ... +55 °C
Further information	
Information- and Downloadcenter (catalogues, leaflets,...) http://www.siemens.com/energy-automation	
Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=7SR1811-1NC12-0CA0	
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/7SR1811-1NC12-0CA0	
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=7SR1811-1NC12-0CA0	
Tender specifications http://www.siemens.com/specifications	

