



Figure similar

Motor protection for low-power current transformer, Enclosure 1/6 19, 4 x I, 3 x U, 3 BI, 5 BO (2 change-over contacts), 1 live contact, 5 temperature sensors, Low-power current transformer input Rated auxiliary power: 60 to 250 V DC, 115 V AC, 230 V AC Installation encl., Screw terminals Region world, IEC / ANSI, English (changeable), Front membrane standard, System interface port B (device underside, rear) Modbus, electrical RS485 without system interf. Port A, Measurement: Fault recording, Mean value formation, Min./max. values, Functionality: Basic version(*)

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	Yes
Product function / switching statistics	Yes
Product feature / logic editor	Yes
Product function / control	Yes
Product function / fault recording for analog and digital signals	Yes
Product function / monitoring	Yes
Number of parameter sets	4
Product function / parameter set switchover	Yes
Protection Functions	

protection function / 3-pole resolution	Yes
protection function / with blocked rotor (ANSI 14)	Yes
protection function / undervoltage protection (ANSI 27)	Yes
protection function / directional power monitoring (ANSI 32)	Yes
protection function / undercurrent protection (ANSI 37)	Yes
protection function / temperature monitoring (ANSI 38)	Yes
protection function / unbalance protection (ANSI 46)	Yes
protection function / overcurrent-time protection negative sequence system (ANSI 46)	Yes
protection function / phase-rotation supervision (ANSI 47)	Yes
protection function / overvoltage protection negative-sequence system (ANSI 47)	Yes
protection function / blocked rotor monitoring (ANSI 48)	Yes
protection function / thermal overload protection (ANSI 49)	Yes
protection function / definite-time overcurrent protection (ANSI 50/50N)	Yes
protection function / Switch On To Fault (ANSI SOTF)	Yes
protection function / sensitive ground current protection (ANSI 50Ns)	No
protection function / circuit breaker failure protection (ANSI 50BF)	Yes
protection function / inverse-time overcurrent protection (ANSI 51/51N)	Yes
protection function / load step protection (ANSI 50L)	Yes
protection function / dynamic response value changeover (ANSI 51C)	Yes
Product function / power factor (ANSI 55)	Yes
protection function / overvoltage protection (ANSI 59)	Yes
protection function / overvoltage protection zero-sequence system (ANSI 59N)	Yes
Product function / measuring voltage failure detection (ANSI 60FL)	Yes
Product function / reclosing lockout (ANSI 66)	Yes
protection function / directional ground fault protection (ANSI 67N)	Yes
protection function / directional sensitive ground-fault detection for resonant-grounded systems and isolated systems (ANSI 67Ns)	Yes

protection function / trip-circuit supervision (ANSI 74TC)	Yes
protection function / frequency protection (ANSI 81)	Yes
protection function / frequency variation protection (ANSI 81R)	Yes
protection function / closing lock-out (ANSI 86)	Yes
Product function / inrush current detection	Yes
protection function / external trip initiation	Yes

Supply voltage

Supply voltage / at AC	115 ... 230 V
Supply voltage / at DC	60 ... 250 V
Type of voltage / of the supply voltage	AC/DC

Inputs / Outputs

Number of digital inputs / maximum	3
Number of internal RTD-inputs / maximum	5
Number of digital outputs / incl. signaling contact / maximum	6
Number of low level signal-current transformer inputs	4
Number of low level signal-voltage transformer inputs	3
Product component / with RTD unit connection	No
Product component / with 20 mA module connection	Yes

Communication

Product component / operator interface (on the front)	Yes
Software interface version / DIGSI with USB-A port	USB
Protocol / is supported / IEC 60870-5-103	No
Protocol / is supported / IEC 61850-8-1	No
Protocol / is supported / Modbus RTU slave	Yes
Protocol / is supported / DNP 3, serial	No
Protocol / is supported / PROFIBUS DP slave	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	Modbus, pulse via binary input
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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
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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=7SK8163-5EB90-3HE0 L0D>

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

<https://support.industry.siemens.com/cs/ww/en/ps/7SK8163-5EB90-3HE0 L0D>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=7SK8163-5EB90-3HE0 L0D

Tender specifications

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