



Figure similar

voltage and frequency relay, enclosure 1/6 19", 3 x V, 3 BI, 5 BO (2 change-over contacts), 1 live contact, rated auxiliary power: 24 - 48 V DC, 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, mean value formation, min./max. values, functionality: voltage and frequency protection

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
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
overexcitation protection (ANSI 24)	No
synchrocheck (ANSI 25)	No
undervoltage protection (ANSI 27)	Yes
phase-rotation supervision (ANSI 47)	Yes
overvoltage protection negative-sequence system (ANSI 47)	Yes
Switch On To Fault (ANSI SOTF)	No
overvoltage protection (ANSI 59)	Yes
voltage variation protection (ANSI 59R/27R)	Yes
overvoltage protection zero-sequence system (ANSI 59N)	Yes
trip-circuit supervision (ANSI 74TC)	Yes
frequency protection (ANSI 81)	Yes
frequency variation protection (ANSI 81R)	Yes
vector step protection	No
load connection (ANSI 81LR)	No
closing lock-out (ANSI 86)	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	3

Communication	
product component / operating interface (on the front)	Yes
software interface version / DIGSI with USB-A port	yes
protocol / is supported / IEC 60870-5-103	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 / PROFIBUS DP slave	Yes
protocol / is supported / PRP	No
protocol / is supported / RSTP	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).

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=7RW8010-1EB90-1DA0 L0A>

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

<https://support.industry.siemens.com/cs/ww/en/ps/7RW8010-1EB90-1DA0 L0A>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=7RW8010-1EB90-1DA0 L0A

Tender specifications

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

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