



Figure similar

Motor prot. 7SR57 8 curr. trans., 4 volt. trans., 8 TSI (Temperature Sensor Input), 17 BI, 10 BO Standard interface: 1 x USB (front), RS 485 (rear) + 2 x RJ45 interfaces, S8 enclosure

Product details	
product feature / conformal coating	No
number of function keys	7
number of LEDs	28
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
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
circuit breaker test	Yes
Protection Functions	
three-pole tripping	Yes
with blocked rotor (ANSI 14)	Yes
undervoltage protection (ANSI 27)	Yes
undervoltage protection (ANSI 27) / 3-phase	Yes
directional power monitoring (ANSI 32)	Yes
undercurrent protection (ANSI 37)	Yes
temperature monitoring (ANSI 38)	Yes
unbalance protection (ANSI 46)	Yes
overcurrent-time protection negative sequence system (ANSI 46)	Yes
phase-rotation supervision (ANSI 47)	Yes
blocked rotor monitoring (ANSI 48)	Yes
thermal overload protection (ANSI 49)	Yes
definite overcurrent-time protection (ANSI 50/50N)	Yes
arc protection (ANSI AFD)	No
sensitive ground current protection (ANSI 50Ns)	No
circuit breaker failure protection (ANSI 50BF)	Yes
load step protection (ANSI 50L)	No
dependent overcurrent-time protection (ANSI 51/51N)	Yes
power factor (ANSI 55)	Yes

overvoltage protection (ANSI 59)	Yes
overvoltage protection zero-sequence system (ANSI 59N)	Yes
grounding protection (machine) (ANSI 64)	No
reclosing lockout (ANSI 66)	Yes
directional overcurrent-time protection, phases (ANSI 67)	Yes
directional ground fault protection (ANSI 67N)	Yes
directional sensitive ground-fault detection for resonant-grounded systems and isolated systems (ANSI 67Ns)	No
trip-circuit supervision (ANSI 74TC)	Yes
frequency protection (ANSI 81)	Yes
closing lock-out (ANSI 86)	Yes
protection function / high-impedance ground fault differential protection (ANSI 87N)	Yes
protection function / differential protection, motor (ANSI 87M)	Yes
external trip initiation	Yes
<b>Supply voltage</b>	
supply voltage / at AC	100 ... 230 V
supply voltage / at DC	24 ... 250 V
type of voltage / of the supply voltage	AC/DC
<b>Inputs / Outputs</b>	
number of digital inputs / maximum	17
number of digital outputs / incl. signaling contact / maximum	10
number of voltage inputs / maximum	4
number of current inputs / maximum	8
product component / with RTD unit connection	Yes
<b>Communication</b>	
type of electrical connection / of the communication interface	1x USB (front), 1x RS485, 2x optical LC
product component / operating interface (on the front)	Yes
protocol / is supported / Modbus TCP	Yes
protocol / is supported / SNMP v3	Yes
protocol / is supported / IEC 60870-5-103	Yes
protocol / is supported / IEC 61850-8-1	Yes
protocol / is supported / Modbus RTU slave	Yes
protocol / is supported / DNP 3, serial	Yes
protocol / is supported / DNP 3.0 TCP as server	Yes
protocol / is supported / PRP	Yes
protocol / is supported / RSTP	Yes
protocol / is supported / HSR	Yes
<b>Time synchronization</b>	
type of time synchronization	Data comms or Digital input
<b>Mechanical Design</b>	
width	205 mm
height	177 mm
depth	217.5 mm
frame size of enclosure	S8
product function / hardware configuration expandable	No
design of the display	LCD
<b>Environmental conditions</b>	
ambient temperature / during operation	-10 ... +55 °C
<b>Further information</b>	

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=7SR5721-2AF12-0AA0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=7SR5721-2AF12-0AA0)

**Tender specifications**

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