SIEMENS

Data sheet 7SR1206-2GA12-1CA0

Figure similar

ARGUS-C DIRECT. OVERCURRENT RELAY E4 CASE, 4 CT, 10 LEDS, 6 BINARY INPUTS/ 8 BINARY OUTP. MEASURING INPUT: 1/5A, 50/60HZ AUXILIARY VOLTAGE: 80 TO 250V DC, 115V AC BINARY INPUT THRESHOLD 19V DC USB FRONT PORT, RS485 REAR PORT (E4 CASE) PROTOCOL: IEC 60870-5-103 AND MODBUS RTU AND DNP 3.0 (USER SELECTABLE SETTING) FRONT COVER: NO PUSH BUTTONS PROTECTION FUNCTION: STANDARD VERSION

Product details	
• Product equipment / CFC standard	No
• Product equipment / CFC arthmetic	No
• Product equipment / Graphical Logic (Reyrolle)	Yes
• Product equipment / Quicklogic (Reyrolle)	Yes

Suitability	
Suitability for usage / Overcurrent protection	Yes
Type of measured value detection	
• of operational measured value / standard	Yes
• expanded / min./max. values, mean values	Yes
• Product feature / number IO modules expandable	Yes
• product feature / plug-in terminal blocks	No
• Product feature / inrush detection	Yes

Product function	
• Product function / reclosing lockout (ANSI 66)	No

• Product function / automatic reclosing (ANSI 79)	No
• Product function / teleprotection scheme (ANSI 85)	No
• Product function / switching statistics	Yes
• Product function / circuit breaker monitoring	Yes
• Product function / operating sequences for control applications	No
• Product function / control	No
• Product function / fault recording for analog and digital signals	Yes
• Product function / sequence-of-events recorder	Yes
• Product function / monitoring	Yes
• Product function / parameter set switchover	Yes
• product function / time synchronization	Yes
Protection function	
• protection function / 3-pole resolution	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 / 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 / thermal overload protection (ANSI 49)	Yes
• protection function / definite-time overcurrent protection (ANSI 50/50N)	Yes
• Protection function / Instantaneous tripping (ANSI SOFT)	Yes
• protection function / arc protection (ANSI AFD)	Yes
• protection function / sensitive ground current protection (ANSI 50Ns)	No
• Protection function / Intermittent ground-fault 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 / dynamic response value changeover (ANSI 51C)	Yes
• protection function / voltage-dependent time-overcurrent protection (ANSI 51V)	Yes
• protection function / overvoltage protection (ANSI 59)	Yes
• protection function / overvoltage protection zero-sequence system (ANSI 59N)	Yes
• protection function / voltage variation protection (ANSI 59R/27R)	No
• Protection function / ground-fault protection (machine) (ANSI 64)	No
• protection function / directional overcurrent protection, phases (ANSI 67)	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 / Power-swing blocking (ANSI 68)	No
• protection function / trip-circuit supervision (ANSI 74TC)	Yes
• protection function / frequency protection (ANSI 81)	Yes
• protection function / frequency variation protection (ANSI 81R)	No
• protection function / closing lock-out (ANSI 86)	Yes
• Protection function / Differential protection (ANSI 87)	No
• Protection function / High-impedance restricted ground-fault protection (ANSI 87N)	No
• protection function / fault locator (ANSI FL)	No
• protection function / external trip initiation	Yes

Control function	
Type of time synchronization / of transmitter / minutes-pulse	Yes

Display and operation	
design of the display	4
Designation / of operator software for protections function	
• DIGSI	Yes

National language	
• user adjustable (Western European character set)	Yes

Voltage	
type of voltage	DC/AC
supply voltage	
• at DC / minimum	80 V
• at DC / maximum	250 V
• at AC / minimum	115 V
• at AC / maximum	115 V

Number	
Number of parameter sets	4
number of function keys	5
Number of LEDs / maximum	10

Inputs / Connections / Sensors	
Number of current inputs / maximum	4
Number of voltage inputs / maximum	3
Number of digital inputs / maximum	6

Communication	
Type of interface / service interface	Yes
Type of service interface	
• DIGSI at USB-A port	No
Type of electrical interface	
• IEC 60870-5-103, RS 485 with terminal connection	Yes
• IEC 60870-5-103, RS 485 with sub-D connection	No
• IEC 60870-5-104	No
• PROFIBUS DP slave	No
• PROFIBUS DP slave, RS 485 with sub-D connection	No
• Modbus TCP, 100 Mbit/s, double RJ45 connector	No
• Modbus RTU-slave, RS 485 with terminal connection	Yes
• Modbus RTU-slave, RS 485 with sub-D connection	No
• DNP 3 serial, RS 485 with terminal connection	Yes
• DNP 3 serial, RS 485 with sub-D connection	No
• IEC 61850, 100 Mbit/s, double RJ45 connector	No
Type of optical interface	

• IEC 60870-5-103, 820 nm with ST(BFOC) optical connector	No
• IEC 61850, 100 Mbit/s, 1300 nm double LC port	No
Type of software interface	
• DIGSI with RS 232	No
• DIGSI for Ethernet with RJ45 connector	No
• Protocol / is supported / IEC 61850-9-2	No
• protocol / is supported / RSTP	No
• protocol / is supported / PRP	No
• Protocol / is supported / HSR	No
• protocol / is supported / DHCP	No
• protocol / is supported / SNTP	No

Mechanical Design

frame size of enclosure	E4

Environmental conditions

operating temperature	
• minimum	-10 °C
• maximum	55 °C