



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, BINARY INPUT THRESHOLD 88V 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: PUSH BUTTONS DOWN AND RIGHT ARROWS PROTECTION FUNCTION: STANDARD VERSION

Product details	
• Product equipment / CFC standard	No
• Product equipment / CFC arithmetic	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
type of programming	
• 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 / three-pole tripping	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

<ul style="list-style-type: none"> ● protection function / overcurrent-time protection negative sequence system (ANSI 46) 	Yes
<ul style="list-style-type: none"> ● protection function / phase-rotation supervision (ANSI 47) 	Yes
<ul style="list-style-type: none"> ● protection function / overvoltage protection negative-sequence system (ANSI 47) 	Yes
<ul style="list-style-type: none"> ● protection function / thermal overload protection (ANSI 49) 	Yes
<ul style="list-style-type: none"> ● protection function / definite overcurrent-time protection (ANSI 50/50N) 	Yes
<ul style="list-style-type: none"> ● Protection function / Instantaneous tripping (ANSI SOFT) 	Yes
<ul style="list-style-type: none"> ● protection function / arc protection (ANSI AFD) 	Yes
<ul style="list-style-type: none"> ● protection function / sensitive ground current protection (ANSI 50Ns) 	No
<ul style="list-style-type: none"> ● Protection function / Intermittent ground-fault protection (ANSI 50Ns) 	No
<ul style="list-style-type: none"> ● protection function / circuit breaker failure protection (ANSI 50BF) 	Yes
<ul style="list-style-type: none"> ● protection function / dependent overcurrent-time protection (ANSI 51/51N) 	Yes
<ul style="list-style-type: none"> ● protection function / dynamic response value changeover (ANSI 51C) 	Yes
<ul style="list-style-type: none"> ● protection function / voltage-dependent overcurrent-time protection (ANSI 51V) 	Yes
<ul style="list-style-type: none"> ● protection function / overvoltage protection (ANSI 59) 	Yes
<ul style="list-style-type: none"> ● protection function / overvoltage protection zero-sequence system (ANSI 59N) 	Yes
<ul style="list-style-type: none"> ● protection function / voltage variation protection (ANSI 59R/27R) 	No
<ul style="list-style-type: none"> ● Protection function / ground-fault protection (machine) (ANSI 64) 	No
<ul style="list-style-type: none"> ● protection function / directional overcurrent-time protection, phases (ANSI 67) 	Yes
<ul style="list-style-type: none"> ● protection function / directional ground fault protection (ANSI 67N) 	Yes
<ul style="list-style-type: none"> ● protection function / directional sensitive ground-fault detection for resonant-grounded systems and isolated systems (ANSI 67Ns) 	Yes
<ul style="list-style-type: none"> ● Protection function / Power-swing blocking (ANSI 68) 	No
<ul style="list-style-type: none"> ● protection function / trip-circuit supervision (ANSI 74TC) 	Yes
<ul style="list-style-type: none"> ● protection function / frequency protection (ANSI 81) 	Yes
<ul style="list-style-type: none"> ● protection function / frequency variation protection (ANSI 81R) 	No
<ul style="list-style-type: none"> ● protection function / closing lock-out (ANSI 86) 	Yes
<ul style="list-style-type: none"> ● protection function / differential protection (ANSI 87) 	No
<ul style="list-style-type: none"> ● Protection function / High-impedance restricted ground-fault protection (ANSI 87N) 	No
<ul style="list-style-type: none"> ● protection function / fault locator (ANSI FL) 	No
<ul style="list-style-type: none"> ● 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 <ul style="list-style-type: none"> ● DIGSI 	Yes
National language <ul style="list-style-type: none"> ● user adjustable (Western European character set) 	Yes
Voltage	
type of voltage	DC
supply voltage <ul style="list-style-type: none"> ● at DC / minimum 	80 V

<ul style="list-style-type: none"> • at DC / maximum 	250 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	
<ul style="list-style-type: none"> • DIGSI at USB-A port 	No
Type of electrical interface	
<ul style="list-style-type: none"> • IEC 60870-5-103, RS 485 with terminal connection • IEC 60870-5-103, RS 485 with sub-D connection • IEC 60870-5-104 • PROFIBUS DP slave • PROFIBUS DP slave, RS 485 with sub-D connection • Modbus TCP, 100 Mbit/s, double RJ45 connector • Modbus RTU-slave, RS 485 with terminal connection • Modbus RTU-slave, RS 485 with sub-D connection • DNP 3 serial, RS 485 with terminal connection • DNP 3 serial, RS 485 with sub-D connection • IEC 61850, 100 Mbit/s, double RJ45 connector 	Yes No No No No No Yes No Yes No No
Type of optical interface	
<ul style="list-style-type: none"> • IEC 60870-5-103, 820 nm with ST(BFOC) optical connector • IEC 61850, 100 Mbit/s, 1300 nm double LC port 	No No
Type of software interface	
<ul style="list-style-type: none"> • DIGSI with RS 232 • DIGSI for Ethernet with RJ45 connector 	No No
<ul style="list-style-type: none"> • Protocol / is supported / IEC 61850-9-2 • protocol / is supported / RSTP • protocol / is supported / PRP • protocol / is supported / HSR • protocol / is supported / DHCP • protocol / is supported / Sntp 	No No No No No No
Mechanical Design	
frame size of enclosure	E4
Environmental conditions	
operating temperature	
<ul style="list-style-type: none"> • minimum • maximum 	-10 °C 55 °C

