

Main Protection

Non-Directional Overcurrent Protection - Argus 7SR11

Product description	Variants	Order No.
Nondirectional O/C Relay (Argus)		
Overcurrent and earth fault Protection relay		1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 7 S R 1 1 0 □ - □ □ A □ □ - □ □ A 0
	<u>Protection Product</u> Overcurrent – Non Directional	↑ 1
	<u>Housing I/O and Fascia</u> 1 CT, 3 Binary Inputs / 5 Binary Outputs, 10 LEDs 4 CT, 3 Binary Inputs / 5 Binary Outputs, 10 LEDs 4 CT, 6 Binary Inputs / 8 Binary Outputs, 10 LEDs 4 CT, 4 Binary Inputs / 8 Binary Outputs, 10 LEDs ⁹⁾	↑ 1 ↑ 2 ↑ 3 ↑ 7
	<u>Measuring Input</u> 1/5 A, 50/60Hz ¹⁾ 1/5 A, 50/60Hz with SEF Input ²⁾	↑ 1 ↑ 3
	<u>Auxiliary voltage</u> DC 80 to 250 V, AC 115 V ⁶⁾ binary input threshold DC 19 V DC 80 to 250 V, binary input threshold DC 88 V DC 24 to 60 V, binary input threshold DC 19 V	↑ G ↑ H ↑ J
	<u>Communication Interface</u> Standard version – included in all models, USB front port, RS485 rear port (E4 Case) Standard version – plus additional rear electrical Ethernet RJ45 (x2), E6 Case ⁷⁾ Standard version – plus additional rear optical Ethernet duplex (x2), E6 Case ⁷⁾	↑ 1 2 ↑ 7 7 ↑ 8 7 ↑ C/D ↑ C/D
	<u>Protocol</u> IEC 60870-5-103 Modbus RTU and DNP3 (user selectable) IEC 60870-5-103 Modbus RTU, DNP3 and IEC 61850 (user selectable settings) ⁷⁾	↑ 2 ↑ 7
	<u>Relay Cover</u> Standard Version – No Push Buttons Push Buttons – Down and Right Arrows	↑ 1 ↑ 2
	<u>Protection Function Packages</u> Basic version ³⁾ 46BC ³⁾ Broken conductor/load unbalance 50 ³⁾ Instantaneous phase fault overcurrent 50BF ³⁾ Circuit breaker fail 50G/50N Instantaneous earth fault 51 ³⁾ Time delayed phase fault overcurrent 51G/51N Time delayed earth fault 60CTS ³⁾ CT Supervision 64H High impedance REF 74T&C Trip & Close circuit supervision 86 Hand reset contacts	↑ A ↑ C
	Standard version 37 Undercurrent 46BC ³⁾ Broken conductor/load unbalance 46NPS ³⁾ Negative phase sequence overcurrent 49 ³⁾ Thermal overload 50 ³⁾ Instantaneous phase fault overcurrent 50AFD Arc Flash Detection 50BF ³⁾ Circuit breaker fail 50G/50N Instantaneous earth fault 50SEF ²⁾ Instantaneous sensitive earth fault 51 ³⁾ Time delayed phase fault overcurrent 51G/51N Time delayed earth fault 51SEF ²⁾ Time delayed sensitive earth fault 60CT ³⁾ CT Supervision 64H High Impedance REF 74T/CC Trip and Close circuit supervision 81HBL2 ⁴⁾ 2nd harmonic block/inrush restraint	↑ C

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Footnotes see next page

Protection
Reyrolle

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Nondirectional O/C Relay (Argus)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
7	S	R	1	1	0	□	-	□	□	A	□	□	-	□	□	A	0

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51C ³⁾	Cold load pickup
86	Hand reset contacts Programmable logic
Standard version – plus	
79	Autoreclose

Additional Functionality

No additional functionality



- 1) CT is configured as 3PF + EF.
- 2) 4CT is configured as 3PF + SEF/REF.
- 3) Functions only available in 4CT relay.
- 4) Not available on SEF input.
- 5) Protection function package ordering option A is only available on hardware variant 7SR1102-1XA12-XAA0- 4CT 3BI 5BO.
- 6) AC 115 V supported by devices with hardware version CC or later.
- 7) E4 case is standard, E6 case is required if IEC 61850 option fitted.
- 8) 4 Binary Input variant provides segregated Binary Outputs without a common terminal