

# Main Protection

## Motor Protection - Rho 7SR17

Product description	Variants	Order No.
7SR17 Rho		1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 7 S R 1 7 0 □ - □ □ A 1 2 - □ C A 0
Motor Protection		↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑
	<u>Case, I/O and Fascia</u>	
	E4 case, 4CT, 3 Binary Inputs /5 Binary Outputs, 10 LEDs	2
	E4 case, 4CT, 6 Binary Inputs /8 Binary Outputs, 10 LEDs	3
	E4 case, 4 CT, 3 VT, 3 Binary Inputs /5 Binary Outputs, 10 LEDs	5
	E4 case, 4 CT, 3 VT, 6 Binary Inputs / 8 Binary Outputs, 10 LEDs	6
	<u>Measuring input</u>	
	1/5 A, 50/60Hz with SEF input	3
	1/5 A, 40-160 V, 50/60Hz with SEF input	4
	<u>Auxiliary voltage</u>	
	DC 80-250 V/AC 115 V, binary input threshold DC 19 V	G
	DC 80-250V, binary input threshold DC 88V	H
	DC 24-60 V, binary input threshold DC 19 V	J
	<u>Communication Interface</u>	
	Standard version – included in all models, USB front port, RS485 rear port	1
	<u>Protocol</u>	
	IEC 60870-5-103, Modbus RTU, DNP3 or Modbus RTD Client (user selectable setting)	2
	<u>Front Cover</u>	
	Standard Version – No Push Buttons	1
	Push Buttons – DOWN and RIGHT Arrows	2
	<u>Protection Function Packages</u>	
	Standard version - included in all models	
	14 Stall Protection	
	37 Undercurrent	
	46 Phase Unbalance	
	46PhRev Phase Reversal	
	48/66 Start Protection	
	49 Thermal overload	
	49 RTD I/F <sup>1)</sup> RTD Monitoring via comms	
	50/51 Overcurrent	
	50/51, G/N Earth fault	
	50BF Circuit breaker fail	
	50BCL Break Capacity Limit	
	60 CTS-I CT Supervision	
	74T/CCS Trip/Close Circuit Supervision	
	81B Backspin Protection	
	87REF High Impedance Restricted Earth Fault Programmable Logic	
	For variants with 3 x VT inputs as above – plus	
	27/59 Under/Over Voltage	
	32/55 Directional Power/Power Factor	
	47 Negative Phase Sequence Overvoltage	
	60CTS Enhanced CT Supervision	
	60VTS VT Supervision	
	67/50, 67/51 Directional Overcurrent	
	67G/N Directional Earth Fault	
	81 Frequency	

1) Requires selection of Protocol – Modbus RTD Client, which precludes use of system communications.