



DMK80R1



DMK81R1



DMK83R1



DMK75R1

DMK series - Modular digital monitoring devices

- Modular DIN rail mounting (3 modules – 54 mm wide)
- Auxiliary supply: 220 - 240 VAC
- Memorises minimum and maximum measured values (since last reset)
- Instantaneous or preset trip delays (0 - 900sec)
- 1 changeover relay output (8A 250 VAC)

type	description	monitored range
Voltage monitors (measures and displays single and three phase voltages)		
Overvoltage range:	Off / 102 - 120% (delay 0 - 900sec)	
Undervoltage range:	Off / 70 - 98% (delay 0 - 900sec)	
Voltage/phase loss or failure:	Off / 5 - 85% (delay 0 - 900sec)	
Programmable VT ratio :	1.00 - 500.00 (accuracy: ±0.25% f.s. ±1digit)	
DMK80R1	1-phase over/under voltage meter/monitor	15 - 660 VAC
DMK70R1	3-phase over/under voltage meter/monitor	15 - 660 VAC
DMK70	3-phase voltage meter/monitor	15 - 660 VAC
Current monitors (measures and displays single and three phase currents)		
Measurement range:	0.05A - 5.75A (CT ratio: 5 - 10.000A) ±0.5%	
Overcurrent range:	Off / 102 - 200% (delay 0 - 900sec)	
Undercurrent range:	Off / 5 - 98% (delay 0 - 900sec)	
Instantaneous tripping:	Off / 110-600%	
DMK81R1	1-phase over/under current meter/monitor	0.05A - 5.75A
DMK71R1	3-phase over/under current meter/monitor	0.05A - 5.75A
Frequency monitors (measures and displays line frequency)		
Measurement range:	15...660V / 50...60 Hz (±10%)	
DMK83R1	frequency meter/monitor	45 - 65Hz
Three-phase multi-measurement instrument		
Measurement range:		
– Voltage	Phase loss or failure: Off / 5 - 85%	35 - 660 VAC
	Maximum voltage: Off / 102 - 120%	
	Minimum voltage: Off / 70 - 98%	
	Asymmetry: Off / 2 - 20%	
	Phase sequence: Off / L1-L2-L3 / L3-L2-L1	
– Current	Current loss: Off / 2 - 100%	0.05 - 5.75A
	Maximum current: Off / 102 - 200%	
	Minimum current: Off / 5 - 98%	
	Maximum current instantaneous trip: Off / 110 - 600%	
– Power	Rated power: 1 - 10.000 kW	
	Maximum power: Off / 101 - 200%	
	Max power instantaneous trip: Off / 110 - 600%	
	Minimum power: Off / 10 - 99%	
– Frequency	Maximum frequency: Off / 101 - 110%	45 - 66Hz
	Minimum frequency: Off / 90 - 99%	
DMK75R1	3-phase multi measurement digital meter/monitor	