

Flush-mount LED instruments single-phase, non expandable



DMK 0...

Order code	Displayed measurements	Relay output	Qty per pkg	Wt [kg]
	n°	n°	n°	[kg]
Voltmeter.				
DMK 00	1 voltage value	–	1	0.290
DMK 00 R1 Ⓣ	1 max voltage value 1 min voltage value	1	1	0.323
Ammeter.				
DMK 01	1 current value	–	1	0.290
DMK 01 R1 Ⓣ	1 max current value 1 min current value	1	1	0.323
Voltmeter or ammeter.				
DMK 02 Ⓣ	1 voltage or current value 1 maximum voltage or current value 1 minimum voltage or current value	–	1	0.290
Frequency meter.				
DMK 03 R1 Ⓣ	1 frequency value 1 max frequency value 1 min frequency value	1	1	0.323
Cosφ meter.				
DMK 04 R1 Ⓣ	1 cosφ value 1 power factor value	1	1	0.290

Ⓣ The DMK02 can operate as a voltmeter or ammeter. It is duly equipped with two front plates (V and A) which must be fitted by the user depending on which instrument is required and on the wiring scheme used.

Ⓣ Relay output for control and protection functions.

General characteristics

The DMK 0... instruments are available with flush-mount housing, 96x48mm/3.78x1.89". Measurements are True RMS values and provide for reliable operation even in the presence of harmonics.

Operational characteristics

- Auxiliary supply voltage: 220-240VAC;
- Operating frequency: 50-60Hz
- True RMS measurements
- Max. and min. measurement storage
- 1 relay output with 1 changeover contact (for DMK...R1 only)
- Housing: flush-mount 96x48mm/3.78x1.89"
- Terminals: 4mm²
- Degree of protection: IP54 on front; IP20 at terminals.

DMK 00 - DMK 00 R1

- Voltage measurement range: 15-660VAC
- Operating frequency range: 45-65Hz
- Programmable VT ratio: 1.00-500.00
- Accuracy: ±0.25% f.s. ±1 digit

DMK 01 - DMK 01 R1

- Current measurement range: 0.05-5.75A
- Operating frequency range: 45-65Hz
- Programmable CT ratio: 5-10,000
- Accuracy: ±0.5% f.s. ±1 digit

DMK 02

- Voltage measurement range: 15-660VAC
- Current measurement range: 0.05-5.75A
- Operating frequency range: 45-65Hz
- Programmable VT ratio: 1.00-500.00
- Programmable CT ratio: OFF/5-10,000
- Accuracy: Voltage ±0.25% f.s. ±1 digit
Current ±0.5% f.s. ±1 digit

DMK 03 R1

- Measurement input: 15-660VAC
- Frequency measurement range: 15-65Hz
- Accuracy: ±1 digit

DMK 04 R1

- Cosφ measurement error: ±0.5° ±1 digit
- Cosφ measurement in 4 quadrants
- Accuracy: ±1° ±1 digit

Control and protection functions

DMK 00 R1

- Voltage loss or failure: OFF/5-85%
- Maximum voltage: OFF/102-120%
- Minimum voltage: OFF/70-98%
- Time delay for max-min voltage or voltage lossⓉ: 0.0-900.0 seconds.

DMK 01 R1

- Current loss: OFF/2-100%
- Maximum current: OFF/102-200%
- Maximum current instantaneous tripping: OFF/110-600%
- Minimum current: OFF/5-98%
- Time delay for max-min current or current lossⓉ: 0.0-900.0 seconds.

DMK 03 R1

- Maximum frequency: OFF/101-110%
- Minimum frequency: OFF/90-99%
- Time delay for min-max frequency Ⓣ: 0.5-900.0 seconds.

DMK 04 R1

- Minimum-maximum cosφ thresholds in 4 quadrants
- Minimum-maximum PF thresholds in 4 quadrants
- Delay time for max or min threshold Ⓣ: 1-9,000 seconds.

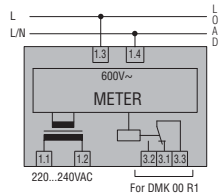
Certifications and compliance

Certifications obtained: EAC; UL Listed, for USA and Canada (cULus - File E93601), as Auxiliary Devices-Multimeters. Compliant with standards: IEC/EN 61010-1, IEC/EN 61000-6-2, IEC/EN 61000-6-3, UL508, CSA C22.2 n° 14.

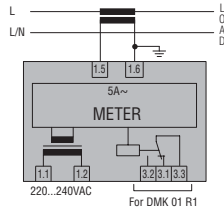
Ⓣ Independent adjustable delays.

METERING INSTRUMENTS

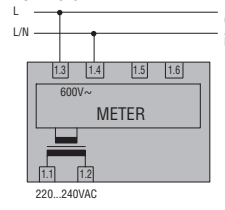
DMK 00 - DMK 00 R1



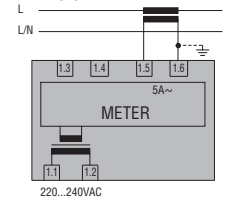
DMK 01 - DMK 01 R1



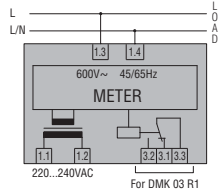
DMK 02 Voltmeter



Ammeter

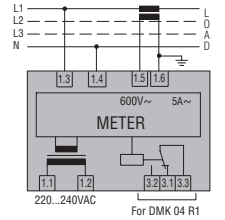


DMK 03 - DMK 03 R1

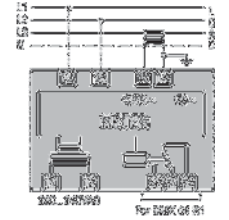


DMK 04 - DMK 04 R1

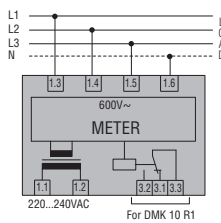
Single-phase



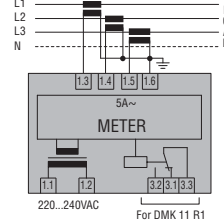
Three-phase



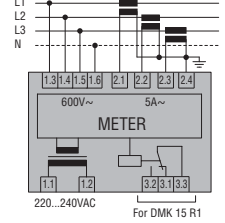
DMK 10 - DMK 10 R1



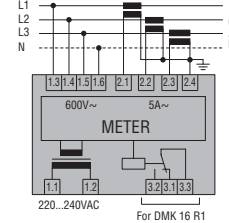
DMK 11 - DMK 11 R1



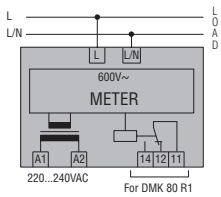
DMK 15 - DMK 15 R1



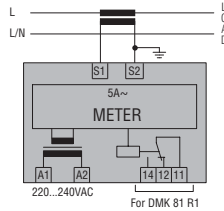
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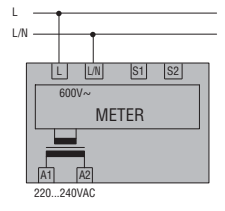
DMK 80 - DMK 80 R1



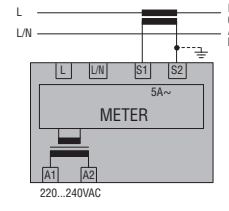
DMK 81 - DMK 81 R1



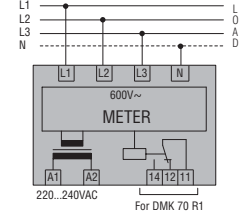
DMK 82 Voltmeter



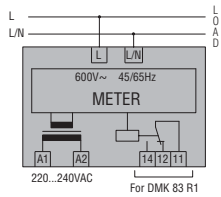
Ammeter



DMK 70 - DMK 70 R1

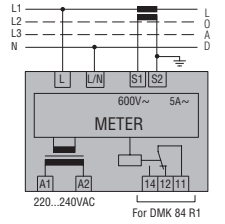


DMK 83 - DMK 83 R1

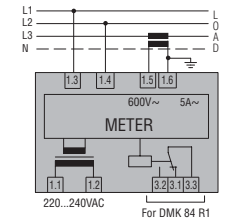


DMK 84 - DMK 84 R1

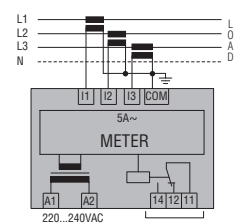
Single-phase



Three-phase



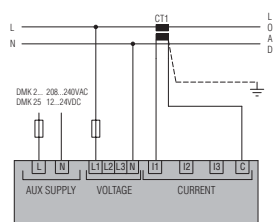
DMK 71 - DMK 71 R1



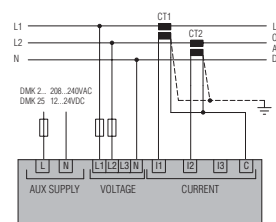
FLUSH-MOUNT MULTIMETERS

DMK2...

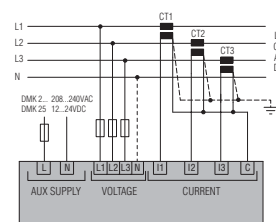
Single-phase



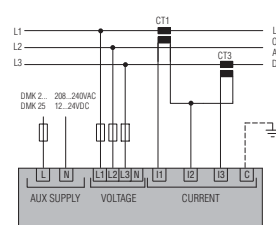
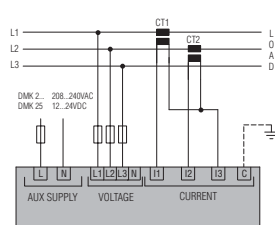
Two-phase



Three-phase with or without neutral



Three-phase without neutral in ARON connection



DMK 75 - DMK 75 R1

