

Flush-mount LED instruments three-phase, non expandable



DMK 1...

Order code	Displayed measurements	Relay output	Qty per pkg	Wt [kg]
	n°	n°	n°	[kg]
Voltmeter.				
DMK 10	3 phase voltage values	–	1	0.297
DMK 10 R1 Ⓢ	3 phase to phase voltage values 3 maximum phase voltage values 3 maximum phase to phase voltage values 3 minimum phase voltage values 3 minimum phase to phase voltage values	1	1	0.330
Ammeter.				
DMK 11	3 phase current values	–	1	0.292
DMK 11 R1 Ⓢ	3 maximum phase current values 3 minimum phase current values	1	1	0.336
Voltmeter, ammeter and wattmeter.				
DMK 15	3 phase voltage values	–	1	0.332
DMK 15 R1 ⓈⓈ	3 phase to phase voltage values 3 phase current values 4 active power values, phase and total 3 maximum phase voltage values 3 maximum phase to phase voltage values 3 maximum phase current values 4 maximum active power values, phase and total 3 minimum phase voltage values 3 minimum phase to phase voltage values 3 minimum phase current values 4 minimum active power values, phase and total	1	1	0.350

① Connection also to single-phase.

Ⓢ Relay output for control and protection functions.

General characteristics

The DMK 1... 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 10 - DMK 10 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 11 - DMK 11 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 15 - DMK 15 R1

- Voltage measurement range: 35-660VAC
- Current measurement range: 0.05-5.75A
- Frequency measure range: 45-65Hz
- Programmable VT ratio: 1.00-500.00
- Programmable CT ratio: 5-10,000
- Accuracy: Voltage ±0.25% f.s. ±1 digit
Current ±0.5% f.s. ±1 digit
Power ±1% f.s. ±1 digit.

Control and protection functions

DMK 10 R1

- Phase loss or failure: OFF/5-85%
- Maximum voltage: OFF/102-120%
- Minimum voltage: OFF/70-98%
- Asymmetry: OFF/2-20%
- Phase sequence: OFF/L1-L2-L3/L3-L2-L1
- Frequency
 - Maximum frequency: OFF/101-110%
 - Minimum frequency: OFF/90-99%
 - Time delay for max-min voltage, phase loss, asymmetry and min-max frequency Ⓢ: 0.5-900.0 seconds.

DMK 11 R1

- Current loss: OFF/2-100%
- Maximum current: OFF/102-200%
- Maximum current instantaneous tripping: OFF/110-600%
- Minimum current: OFF/5-98%
- Asymmetry: OFF/2-20%
- Time delay for max-min current or current loss and asymmetry Ⓢ: 0.5-900.0 seconds.

DMK 15 R1

- Voltage
 - Phase loss or failure: OFF/5-85%
 - 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/5-85%
 - Maximum current: OFF/102-200%
 - Maximum current instantaneous tripping: OFF/110-600%
 - Minimum current: OFF/5-98%
 - Asymmetry: OFF/2-20%
- Power
 - Rated power: 1-10,000
 - Maximum power: OFF/101-200%
 - Max. power instantaneous tripping: OFF/110-600%
 - Minimum power: OFF/10-99%
- Frequency
 - Maximum frequency: OFF/101-110%
 - Minimum frequency: OFF/90-99%
 - Time delay for max-min voltage, max-min current or current loss, phase loss, asymmetry and min-max power Ⓢ: 0.0-900.0 seconds.

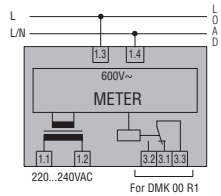
Certifications and compliance

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, UL 508, CSA C22.2 n° 14.

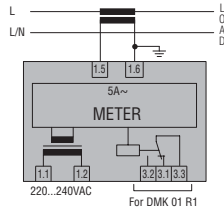
Ⓢ Independent adjustable delays.

METERING INSTRUMENTS

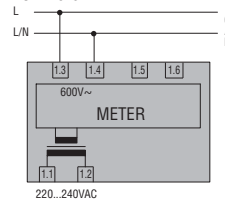
DMK 00 - DMK 00 R1



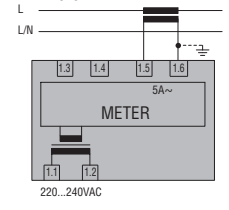
DMK 01 - DMK 01 R1



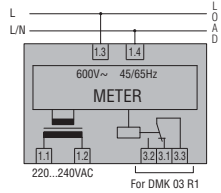
DMK 02 Voltmeter



Ammeter

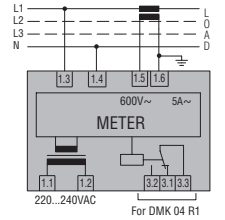


DMK 03 - DMK 03 R1

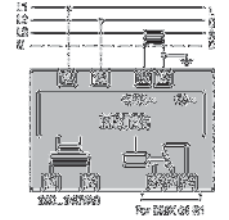


DMK 04 - DMK 04 R1

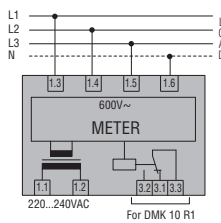
Single-phase



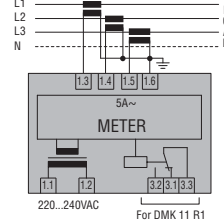
Three-phase



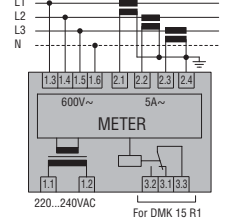
DMK 10 - DMK 10 R1



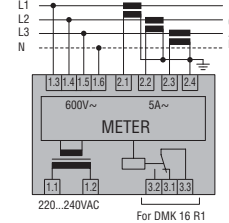
DMK 11 - DMK 11 R1



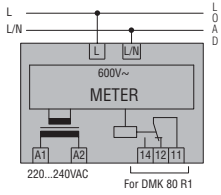
DMK 15 - DMK 15 R1



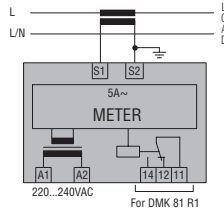
DMK 16 - DMK 16 R1



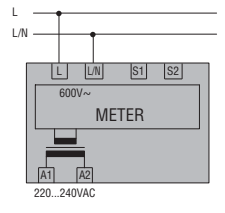
DMK 80 - DMK 80 R1



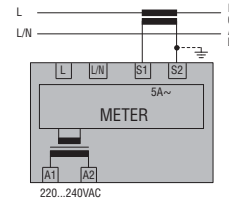
DMK 81 - DMK 81 R1



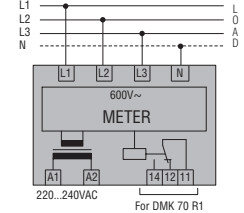
DMK 82 Voltmeter



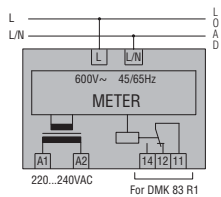
Ammeter



DMK 70 - DMK 70 R1

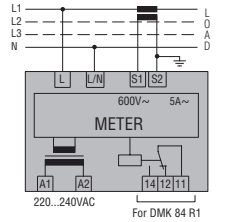


DMK 83 - DMK 83 R1

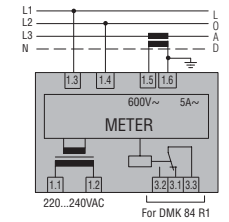


DMK 84 - DMK 84 R1

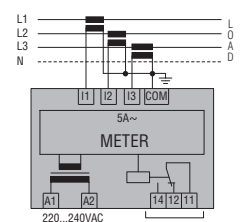
Single-phase



Three-phase



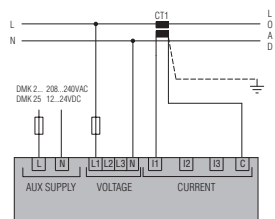
DMK 71 - DMK 71 R1



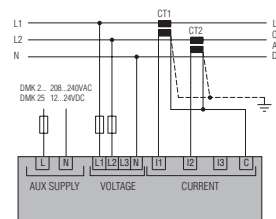
FLUSH-MOUNT MULTIMETERS

DMK2...

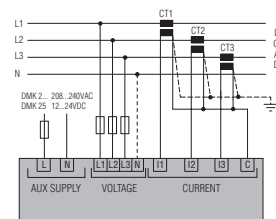
Single-phase



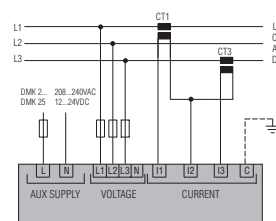
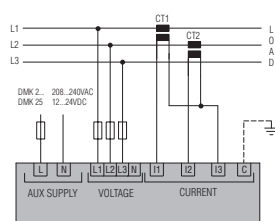
Two-phase



Three-phase with or without neutral



Three-phase without neutral in ARON connection



DMK 75 - DMK 75 R1

