Modular LED instruments three-phase, non expandable


DMK 70


DMK 70 R1


DMK 71


DMK 71 R1


DMK 75


DMK 75 R1

Order code	Displayed measurements	Relay output	Qty per pkg	Wt
	n°	n°	n°	[kg]
Voltmeter.				
DMK 70	3 phase voltage values	–	1	0.233
DMK 70 R1❷	3 phase to phase voltage values 3 max phase voltage values 3 max phase to phase voltage values 3 min phase voltage values 3 min phase to phase voltage values	1	1	0.264
Ammeter.				
DMK 71	3 phase current values	–	1	0.241
DMK 71 R1❷	3 max phase current values 3 min phase current values	1	1	0.272
Combined voltmeter, ammeter and wattmeter.				
DMK 75	3 phase voltage values	–	1	0.271
DMK 75 R1❶❷	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 max active power, phase and total 3 minimum phase voltage values 3 minimum phase to phase voltage values 3 minimum phase current values 4 min active power, phase and total	1	1	0.280

❶ Connection also to single-phase.
❷ Relay output with control and protection functions.

General characteristics
The DMK 7... instruments are available with modular housing, 3 module size.
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 (SPDT) for DMK...R1 version only
- Modular DIN 43880 housing, 3 module
- Terminals: 4mm²
- EN degree of protection: IP40 on front; IP20 on terminals.

DMK 70 - DMK 70 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 71 - DMK 71 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 75 - DMK 75 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
- Accuracy: Current ±0.5% f.s. ±1 digit

Control and protection functions
DMK 70 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
- Maximum frequency: OFF/101-110%
- Minimum frequency: OFF/90-99%
- Time delay for max-min voltage, phase loss, asymmetry and min-max frequency ❸: 0.0-900.0 seconds.

DMK 71 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 ❸: 0.0-900.0 seconds.

DMK 75 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/2-100%
- 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%
- Maximum power instantaneous tripping: OFF/110-600%
- Minimum power: OFF/10-99%

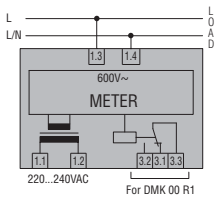
Frequency
- Maximum frequency: OFF/101-110%
- Minimum frequency: OFF/90-99%
- Time delay for max-min voltage, max-min current or current loss, phase loss, asymmetry and min-max power ❸: 0.0-900.0 seconds.

Certifications and compliance
Certifications obtained: EAC.
Compliant with standards: IEC/EN 61010-1, IEC/EN 61000-6-2, IEC/EN 61000-6-3.

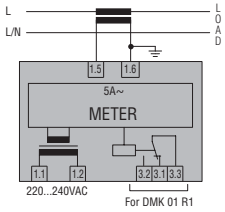
❸ Independent adjustable delays.

METERING INSTRUMENTS

DMK 00 - DMK 00 R1

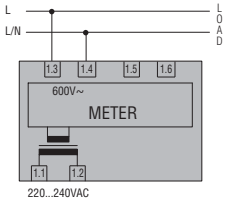


DMK 01 - DMK 01 R1

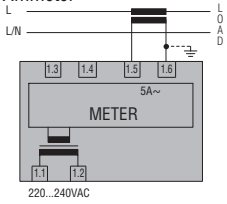


DMK 02

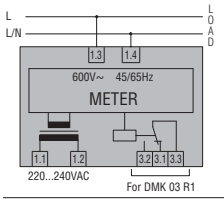
Voltmeter



Ammeter

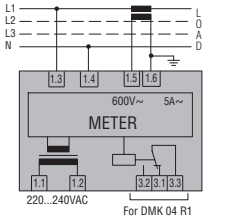


DMK 03 - DMK 03 R1

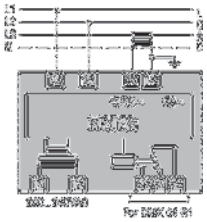


DMK 04 - DMK 04 R1

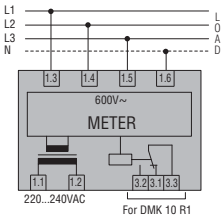
Single-phase



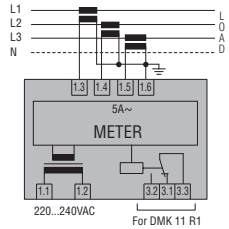
Three-phase



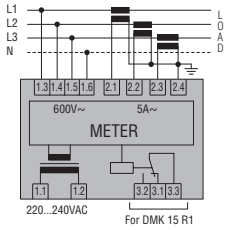
DMK 10 - DMK 10 R1



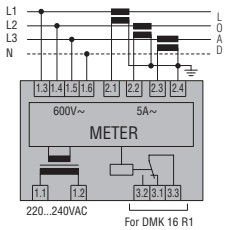
DMK 11 - DMK 11 R1



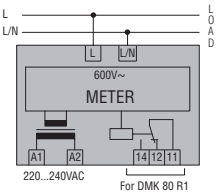
DMK 15 - DMK 15 R1



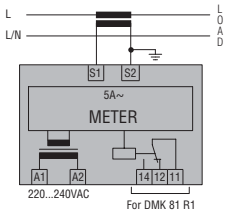
DMK 16 - DMK 16 R1



DMK 80 - DMK 80 R1

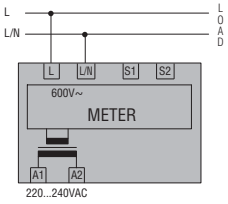


DMK 81 - DMK 81 R1

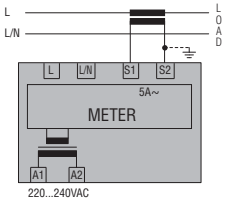


DMK 82

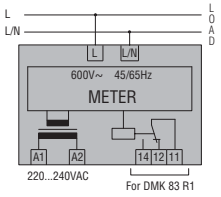
Voltmeter



Ammeter

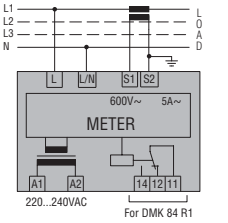


DMK 83 - DMK 83 R1

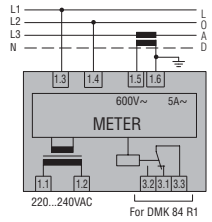


DMK 84 - DMK 84 R1

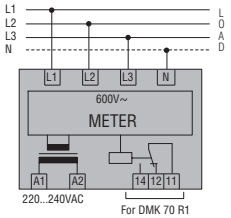
Single-phase



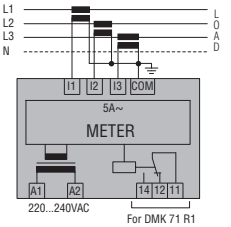
Three-phase



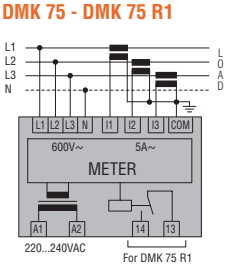
DMK 70 - DMK 70 R1



DMK 71 - DMK 71 R1



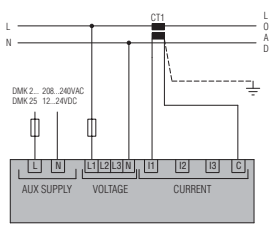
DMK 75 - DMK 75 R1



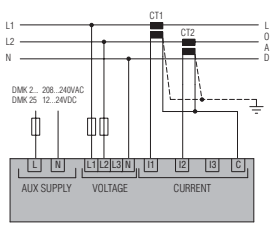
FLUSH-MOUNT MULTIMETERS

DMK2...

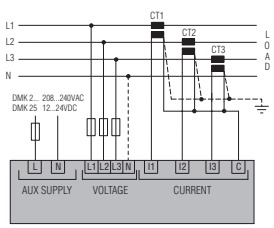
Single-phase



Two-phase



Three-phase with or without neutral



Three-phase without neutral in ARON connection