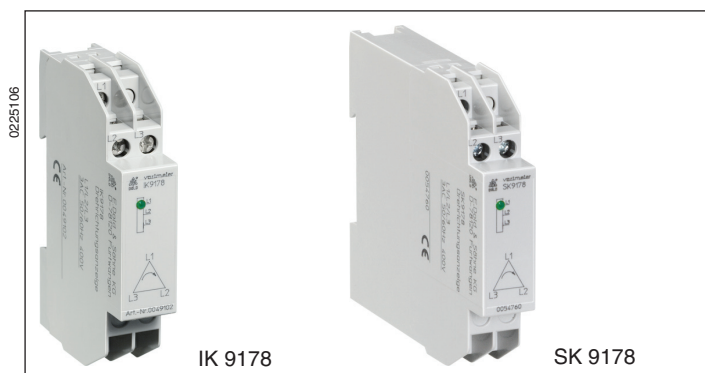


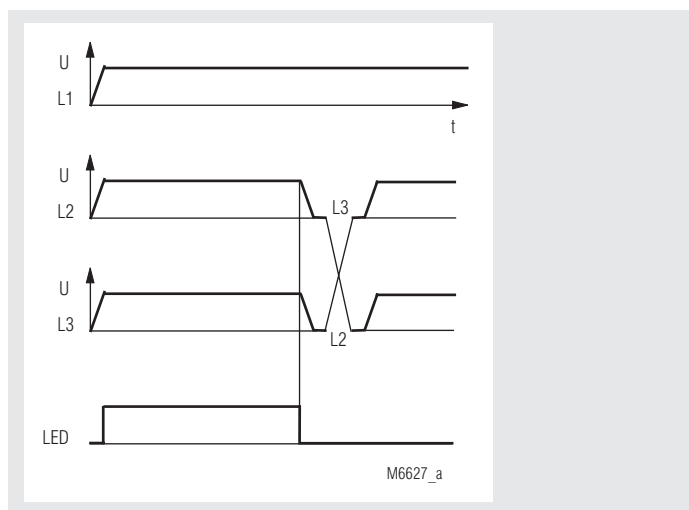
VARIMETER

Phase Sequence Indicator
IK 9178, SK 9178

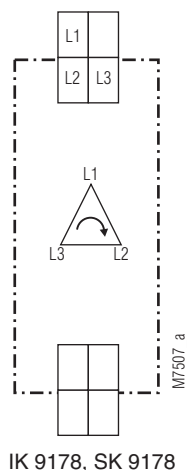


- According to IEC/EN 60 255, DIN VDE 0435-303
- Indication of phase sequence in 3-phase systems
- Without auxiliary supply
- LED indicator for phase sequence
- **Devices available in 2 enclosure versions:**
 - IK 9178:** depth 59 mm, with terminals at the bottom for installation systems and industrial distribution systems according to DIN 43 880
 - SK 9178:** depth 98 mm, with terminals at the top for cabinets with mounting plate and cable duct
- Width 17.5 mm

Function Diagram



Circuit Diagram



IK 9178, SK 9178

Approvals and Marking



Applications

Indication of phase sequence in 3-phase systems

Indicators

LED: on when phase sequence is right

Technical Data

Input

Nominal voltage U_N : 3 AC 400 V
Voltage range: 0.8 ... 1.1 U_N
Nominal frequency: 50 / 60 Hz
Frequency range: 45 ... 65 Hz

General Data

Operating mode: Continuous operation
Temperature range: - 20 ... + 60°C

Clearance and creepage distances
 rated impuls voltage /
 pollution degree
 (between L1-L2-L3): 4 kV / 2 IEC 60 664-1

EMC
 Electrostatic discharge: 8 kV (air) IEC/EN 61 000-4-2
 HF irradiation: 10 V/m IEC/EN 61 000-4-3
 Fast transients: 2 kV IEC/EN 61 000-4-4
 Surge voltages
 between
 wires for power supply: 1 kV IEC/EN 61 000-4-5
 between wire and ground: 2 kV IEC/EN 61 000-4-5
 Interference suppression: Limit value class B EN 55 011

Degree of protection
 Housing: IP 40 IEC/EN 60 529
 Terminals: IP 20 IEC/EN 60 529

Housing: Thermoplastic with V0 behaviour according to UL subject 94
 Amplitude 0.35 mm IEC/EN 60 068-2-6
 frequency 10 ... 55 Hz

Vibration resistance: 20 / 060 / 04 IEC/EN 60 068-1
 EN 50 005

Terminal designation: EN 50 005

Wire connection: 2 x 2.5 mm² solid or
 2 x 1.5 mm² stranded ferruled
 DIN 46 228-1/-2/-3/-4

Wire fixing: Flat terminals with self-lifting clamping piece IEC/EN 60 999-1
 DIN rail IEC/EN 60 715

Mounting:

Technical Data

Weight

IK 9178:	50 g
SK 9178:	69 g

Dimensions

Width x height x depth

IK 9178:	17.5 x 90 x 59 mm
SK 9178:	17.5 x 90 x 98 mm

Standard Types

IK 9178 3 AC 400 V 50/60 Hz

Article number:	0049102	stock item
• Nominal voltage U_N :	3 AC 400 V	
• Width:	17.5 mm	

SK 9178 3 AC 400 V 50/60 Hz

Article number:	0054760
• Nominal voltage U_N :	3 AC 400 V
• Width:	17.5 mm

Ordering example

IK 9178 3 AC 400 V 50/60 Hz

