

TECHNICAL MANUAL

Three-phase indicator light
LSF-47 EKF PROXIMA

1 DESCRIPTION

Three-phase indicator light LSF-47 EKF PROXIMA is used in control circuits to visually indicate voltage presence across each phase in three-phase networks, using LEDs as a light source. Each LED corresponds to a single phase (yellow, green, red). In the event of open phase fault, the corresponding LED will be unlit.

ATTENTION: EACH PHASE MUST BE CONNECTED TO A LED OF THE CORRESPONDING COLOR (L1-YELLOW, L2-GREEN, L3-RED).

The upper group of terminals corresponds to the yellow indicator, the middle group to the green indicator, and the lower group to the red indicator.

Three-phase indicator light LSF-47 EKF PROXIMA complies with IEC 60947-5-1 requirements.

2 TECHNICAL DATA

Table 1

Characteristics	Value
Rated voltage Ue, V	180-260
Frequency, Hz	40-60
Current consumed, per single phase max., A	0,1
Color	green, red, yellow
Degree of protection	IP20
Operating temperature, °C	-25 to +50
Weight, kg	0,0255
Max. conductor cross-section, mm^2	1,5
Tightening torque, N•m	0,8

3 INSTALLATION AND OVERALL DIMENSIONS

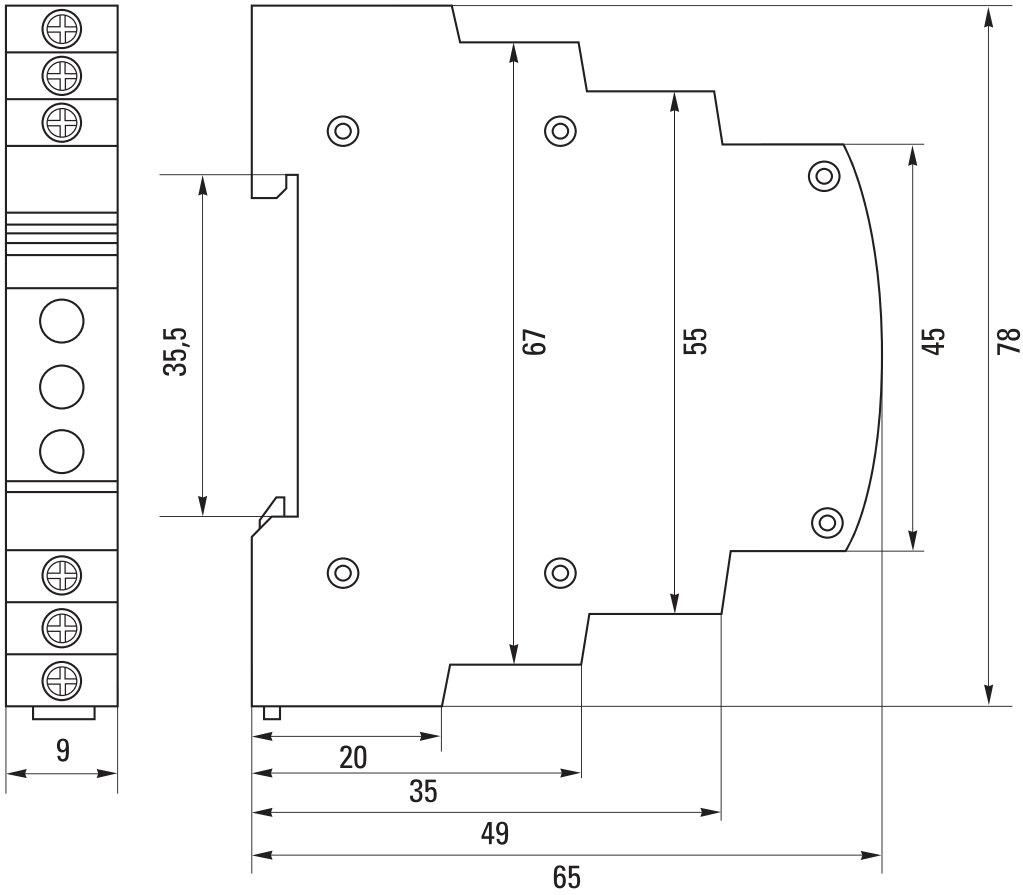


Fig. 1

4 INSTALLATION AND CONNECTION

Both copper and aluminum wire connections are supported. Do not connect copper and aluminum wires concurrently to the same terminal.

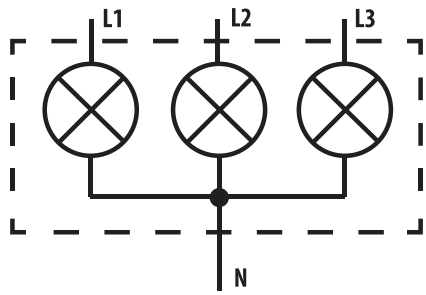


Fig. 2 - Wiring diagram

Three-phase indicator light LSF-47 shall be installed and connected only by qualified electrical personnel.

5 OPERATION CONDITIONS

Operating temperature: - 25 °C to + 50 °C. Altitude above sea level: max. 2000 m.
Position in space: vertical or horizontal on a vertical plane.
Each phase must be connected to a LED of the corresponding color. L1 - yellow, L2 - green, L3 - red. The upper group of contacts corresponds to the yellow indicator, the middle group to the green indicator, and the lower group to the red indicator.

6 DELIVERY SCOPE

Three-phase indicator lights LSF-47 EKF PROXIMA are supplied in a group package (24pcs.).
For all available documentation, scan the QR-code on the insert or on the inside of the package.

7 SAFETY REQUIREMENTS

Do not use or operate three-phase indicator lights with visible mechanical damage. Three-phase indicator lights conform to IEC 61140 Class 0 for protection against electrical shock and must be installed in distribution enclosures with Class 1 protection or higher.

8 MAINTENANCE

For three-phase indicator lights maintenance, please follow national safety rules for operation of electrical Installations. Under normal operating conditions, visually inspect the device and tighten screw terminals every 6 months. Do not operate three-phase indicator lights with visibly damaged housing.

9 STORAGE AND TRANSPORTATION

The three-phase indicator lights can be transported by any means of enclosed transport that protects the packaged goods from mechanical impact and weather exposure. Indicator lights shall be stored indoors, in their original packaging at the ambient temperatures from -40°C to+55°C and relative humidity of max. 80% at +25°C.

10 DISPOSAL

Life-expired and failed indicator lights must be disposed of in compliance with the effective national and local laws and regulations.
To dispose of the device, please, send it to an authorized recycling company in compliance with the effective national and local laws and regulations.

11 MANUFACTURER'S WARRANTY

Warranty period: 7 years from the date of sale specified in the sales receipt.
Shelf life: 7 years from the date of manufacture specified on the product package or housing.
Service life: 20 years.
Manufacturer: for information, refer to the product package.
Importer and EKF trademark service representative:
EKF ELECTRICAL SOLUTION – FZCO, Dubai Silicon Oasis, DDP, Building A2, Dubai, United Arab Emirates.
Importer and EKF trademark service representative on the territory of the Russian Federation:
ООО «Electroresheniya», Otradnaya st., 2b bld. 9, 5th floor, 127273, Moscow, Russia. Tel.: +7 (495) 788-88-15.
Importer and EKF trademark service representative on the territory of the Republic of Kazakhstan:
ТОО «Energoresheniya Kazakhstan», Kazakhstan, Almaty, Bostandyk district, Turgut Ozal st., 247, apt 4.

12 CERTIFICATE OF ACCEPTANCE

Three-phase indicator light LSF-47 EKF PROXIMA has been approved for operation.

Date of manufacture:
For information, refer to the product package.

Technical control stamp



ekfgroup.com

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