



**TECHNICAL
MANUAL**
Cylindrical
fuse link EKF

1 DESCRIPTION

Cylindrical fuse links EKF are designed to protect cable lines, household appliances and industrial equipment against overloads and short circuits.

Fuse link: part of the fuse containing fuse elements to be replaced after the fuse has blown.

Cylindrical fuse links correspond to IEC 60269-1:2014.

2 TECHNICAL DATA

The main technical performances are listed in Table 1.

| Parameter | Value | | |
|-----------------------------------|--|---|--|
| | Cylindrical fuse link 10x38 | Cylindrical fuse link 14x51 | Cylindrical fuse link 22x58 |
| Rated voltage, V | 500 | | |
| Rated frequency, Hz | 50/60 | | |
| Type of cylindrical fuse link | gG | | |
| Rated operating current I_n , A | 0,5, 1, 2, 4, 6, 8, 10, 16, 20, 25, 32 | 2, 4, 6, 10, 16, 20, 25, 32, 40, 50, 63 | 2, 4, 6, 8, 10, 16, 20, 25, 32, 40, 50, 63, 80, 100, 125 |
| Weight, g | 7,7 | 20,5 | 58 |
| Rated breaking capacity, kA | 50 | | |
| Degree of protection | IP20 | | |

3 OVERALL DIMENSIONS

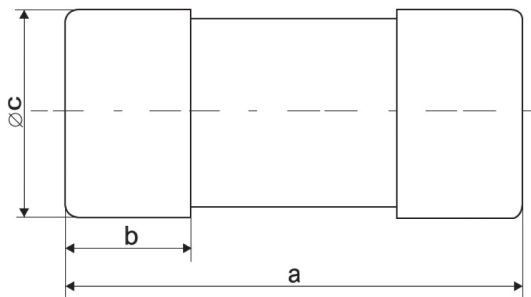


Fig.1 Overall dimensions of cylindrical fuse links

Table 2

| Size of cylindrical fuse link | A | B | C |
|-------------------------------|----|----|------|
| 10x38 | 38 | 10 | 10,3 |
| 14x51 | 51 | 12 | 14,3 |
| 22x58 | 58 | 16 | 22,2 |

4 INSTALLATION AND OPERATION

Fuse link is an integral removable part of fuse. Fuse links shall be installed in special holders or devices with such holders. When the fuse trips (short-circuit or overcurrent), the fuse link blows and shall be replaced.

Tripping characteristics of cylindrical fuse links are shown in figures 2 and 3.

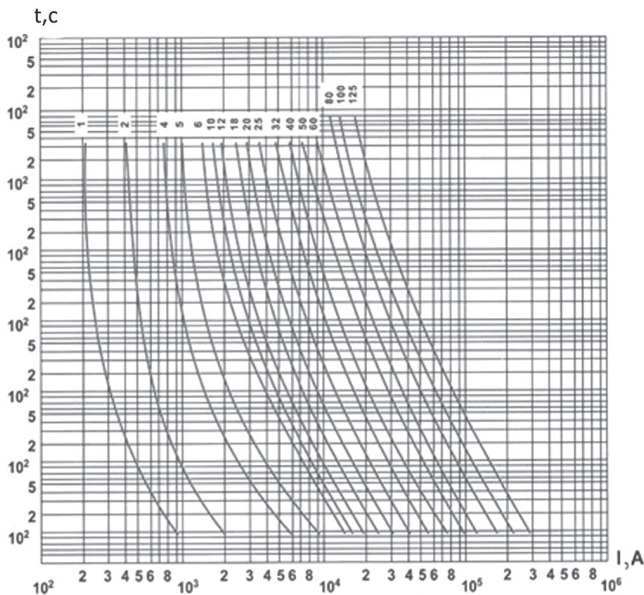


Fig. 2 Tripping curve of cylindrical fuse link

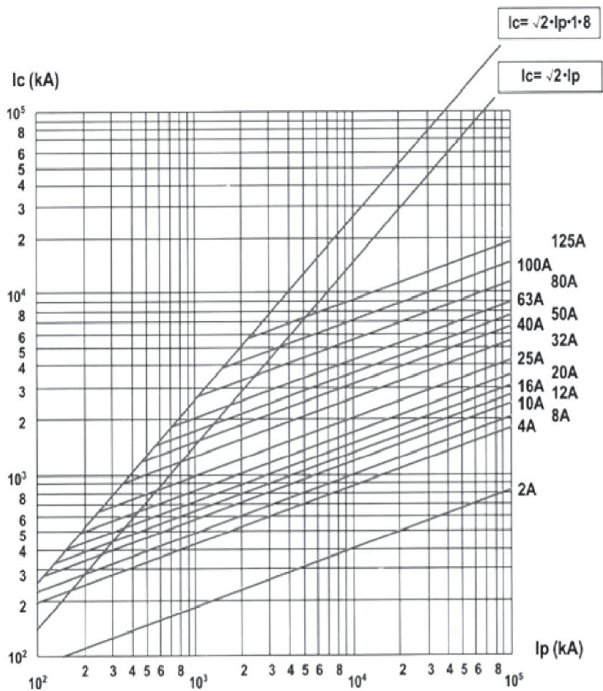


Fig.3 Current limiting characteristics
 I_p - expected short-circuit current,
 I_c - actual breaking current

5 DELIVERY SCOPE

Cylindrical fuse links are supplied in an individual package. For all available documentation, scan the QR-code on the insert or on the inside of the package.

6 SAFETY REQUIREMENTS

Cylindrical fuse links shall be installed and connected only by qualified electrical personnel.

Do not operate cylindrical fuse links with visual mechanical damage.

Disconnect power before installing or replacing the fuse link.

7 MAINTENANCE

For maintenance, follow national safety rules for operation of electrical installations.

8 TRANSPORTATION AND STORAGE

Cylindrical fuse links can be transported by any means of enclosed transport that ensures protection of packed products from mechanical and atmospheric impacts.

Cylindrical fuse links shall be stored indoors in the original package at the ambient temperature from -40°C to +70°C and relative humidity of max. 90% at +25°C.

9 DISPOSAL

Life-expired and failed products shall be disposed of in compliance with the national and local laws and regulations in force.

To dispose of the product, send it to an authorized company for recycling in compliance with the national and local laws and regulations in force.

10 MANUFACTURER'S WARRANTY

The manufacturer guarantees that the cylindrical fuse links comply with the requirements of IEC 60269-1:2014, provided that the consumer follows the operation, transportation and storage conditions.

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: 10 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:

OOO «Electroresheniya», Otravnaya 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:

TOO «Energoresheniya Kazakhstan», Kazakhstan, Almaty,
Bostandyk district, Turgut Ozal st., 247, apt 4.

11 CERTIFICATE OF ACCEPTANCE

The cylindrical fuse links EKF comply with IEC 60269-1:2014
and have been approved for operation.

Date of manufacture:

for information, refer to the product package.

Technical control stamp



EAC

v3



ekfgroup.com

EKFE