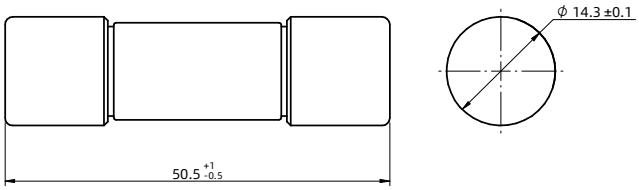
Low Voltage Fuses (LV Fuses)

LFS14 Series

Dimensions (mm)



Key Features

- Rated Voltage: 400 VAC, 690 VAC
- Breaking Capacity: 50 kA
- Good Impact Resistance
- Good Current Limiting Capability
- Size: Φ14.3 x 50.5 mm
- RoHS and REACH Compliant, Pb Free

Applications

- SPD Protection
- TVSS Products

Agency Information

Agency Symbol	Standards	The File No. and certification No. obtained by SETsafe | SETfuse
	EN IEC 60269-2	Pending

Part Numbering System

LFS14-25kA06-CF

- Mounting: Cylindrical Ferrule
- Rated Voltage: 04: 400 VAC; 06: 690 VAC
- Surge Rating: 25 kA
- Series

Matching Fuse Holder

Model: CFH14R

Specifications

Model	Surge Rating (8/20 μs) I_n	Surge Rating (10/350 μs) I_n	Rated Voltage U_n	Breaking Capacity I_1	RoHS REACH Pb free
	(kA)	(kA)	(VAC)	(kA)	
LFS14-25kA04-CF	25	10	400	50	●
LFS14-25kA06-CF	25	10	690	50	●

Note:

1. "●": RoHS and REACH Compliant, Pb Free.

Copyright Belongs to XIAMEN SET Electronics CO. LTD. 2024-2026 V1.1

ATTENTION

Replacement

The fuse is a non-resettable product, for safety reasons, lease ensure that the spare fuse is same model.

Installation Position

Do not install the fuse on an assembly that may often subject to severe continuous vibration or with corrosive gases (NH_3, SO_2, Cl_2 etc.).

Transportation

During packaging and transportation, rain and snow and mechanical damage shall be avoided.

Storage Conditions and Effective Date

- Storage temperature: 10 ° C~30 ° C.
- Storage humidity: 30%~70%.
- Sealed in a place with no sunshine no pollution and without corrosive gases(NH_3,SO_2,Cl_2, etc.).
- Validity period: 12 consecutive months after you receive it.

Copyright Belongs to XIAMEN SET Electronics CO. LTD. 2024-2026 V1.1

Glossary

Item	Description
Fuse	Device that by the fusing of one or more of its specially designed and proportioned components opens the circuit in which it is inserted by breaking the current when this exceeds a given value for a sufficient time. —(IEC 60269-1)
Prospective Current (of a circuit and with respect to a fuse)	Current that would flow in the circuit if each pole of the fuse were replaced by conductor of negligible impedance. —(IEC 60269-1)
Rated Voltage U_n	A maximum open circuit voltage in which a fuse can be used, yet safely interrupt an overcurrent. Exceeding the voltage rating of a fuse impairs its ability to clear an overload or short circuit safely. —(IEC 60269-1)
Ampere Squared Seconds I^2t	The melting, arcing, or clearing integral of a fuse, termed I^2t, is the thermal energy required to melt, arc, or clear a specific current. It can be expressed as melting I^2t, arcing I^2t or the sum of them, clearing I^2t. —(IEC 60269-1)
Time-current Characteristics	Current giving the time, e.g. pre-arcing time or operating time as a function of the prospective current under stated conditions of operation. —(IEC 60269-1)
Breaking Capacity	Value of prospective current that a fuse is capable of breaking at a stated voltage under prescribed conditions of use and behavior. —(IEC 60269-1)
Breaking Range	Breaking range is a range of prospective currents within which the breaking capacity of a fuse-link is assured. —(IEC 60269-1)
Pre-arcing Time / Melting Time	Interval of time between the beginning of a current large enough to cause a break in the fuse-element(s) and the instant when an arc is initiated. —(IEC 60269-1)
Arcing Time	Interval of time between the instant of the initiation of the arc in a fuse and the instant of final arc extinction in that fuse. —(IEC 60269-1)
Operating Time / Total Clearing Time	Sum of the pre-arcing time and the acting time. —(IEC 60269-1)
Power Dissipation (in a fuse-link)	Power released in a fuse-link carrying a stated value of electric current under prescribed conditions of use and behavior. —(IEC 60269-1)
Cut-off Current	Maximum instantaneous value reached by the current during the breaking operation of a fuse-link when it operates in such a manner as to prevent the current from reaching the otherwise attainable maximum. —(IEC 60269-1)
Cut-off Current Characteristic/ Let-through Current Characteristic	Curve giving the cut-off current as a function of the prospective current under stated conditions of operation. —(IEC 60269-1)
Nominal Discharge Current I_n	Crest value of the current through the fuse having a current waveshape of 8/20. —(IEC 61643-11)

Copyright Belongs to XIAMEN SET Electronics CO. LTD. 2024-2026 V1.1