MRO FUSE

Low-Voltage Fuse Bases / Holders — Cylindrical Fuse Holders

These fuse holders for fuse sizes 10 x 38mm to 22 x 58mm. They are suitable of working under heat caused by rated current and expected short impacting current up to 100KA. It can also function as a fuse disconnecting switch by multi-phase combination.

The RT18(X) is equipped with an Blow-out indicator, which goes on when the fuse link breaks.

The RT18L type has a safety lock to lock the fuse carrier when disconnected to avoid wrong operation; it can also be equipped with an indicator, which goes on when the fuse link breaks.

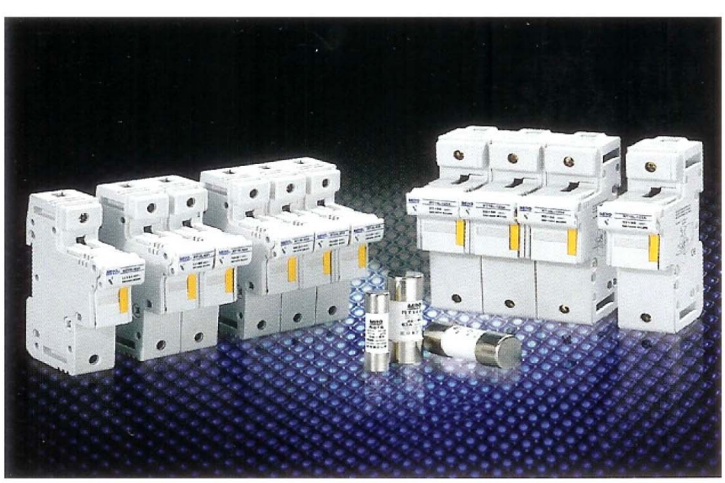
Rated insulate voltage up to 500V
Working frequency 50Hz AC
Rated current up to 125A

Compliant to **IEC 269, GB13539**
Approval : CE, SEMKO, UL
UL Certification No. : E238958 for RT18(X)

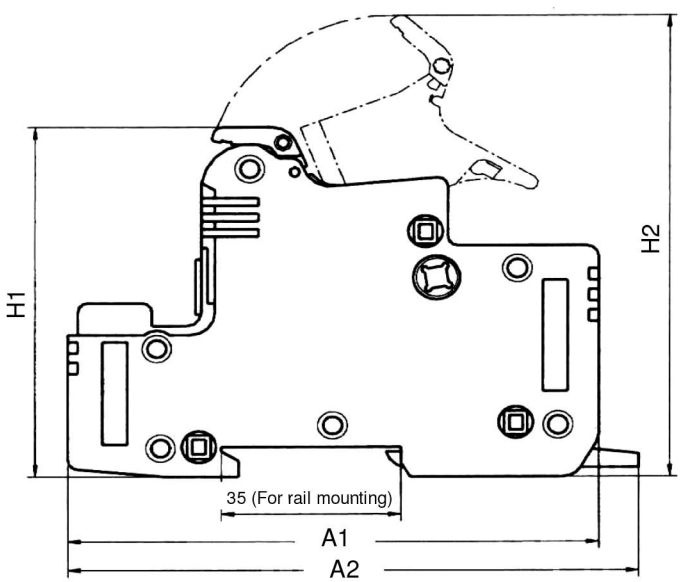
SEMKO (sweden)

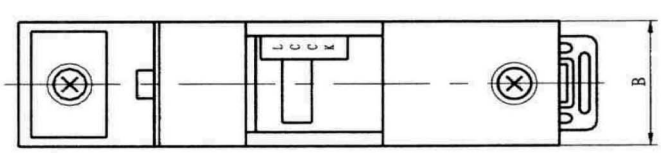
Fuse Bases / Holders

RT 18C , RT 18(X) - 32A



RT 18L - 125A





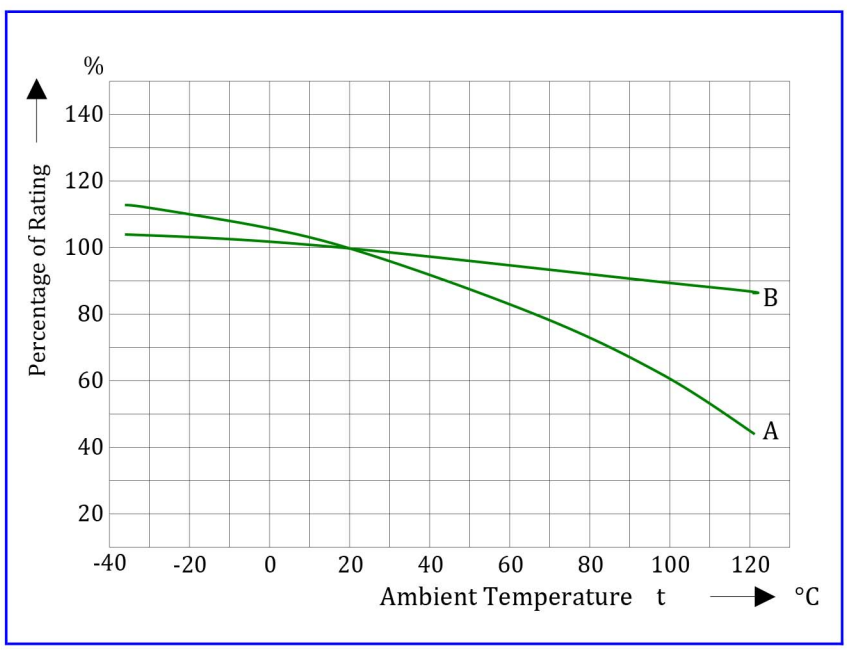
Model	Dimensions (mm)				
	A1	A2	H1	H2	B
RT 18C	77	78	62	81	18
RT 18(X)	79	81	61	80	18
RT 18L	126	134	78	104	36

Low-Voltage Fuse Links — Cylindrical

Ambient temperature means the air temperature directly around the fuse, and should not be understood as the room temperature. In many application cases, the fuses are at rather high temperature as they are installed with supporting devices or bases in different structures and they are closed in the distributing or controlling boxes.

We recommend that the actual working current of a fuse should not exceed its rated current under the ambient temperature of 20°C. While selecting the fuses, environment and working conditions should be considered, such as the variation of situation of closing, air flow, wire sizes (length and section) and instantaneous peak value etc. The current load capability of fuse links are tested under the ambient temperature of 20°C, however the actual load capability is affected by the ambient temperature. The higher the ambient temperature, the higher the working temperature and the shorter the service life of a fuse will be. On the other hand, the service life of a fuse can be longer when working under a lower ambient temperature.

The following is the typical curve showing the affection to the current load capability by the ambient temperature.



Ambient Temperature - Load Capacity Curve

Note: A: (gG) type for line protection;
B: (aR) type for semi-conductor protection.

e.g. When gG type fuse of 63A rating is used under ambient temperature of 20°C, reduction in working current is necessary when the ambient temperature is changed to 70°C. The Ambient Temperature - Load Capacity Curve A shows that the rating should be 78% at 70°C, and the new rating should be determined as:

$$I'_N = \frac{63A}{0.78} = 80.77A$$

So fuse links of 80A rating should be selected for the new ambient temperature.

♦ Applications

Protection against overload and short circuit in electric lines (type gG), also available for protection of semiconductor parts and equipment against short-circuit (type aR) and protection of motors (type aM).

Rated voltage up to 500V
Rated current up to 125A
Working frequency 50Hz AC
Rated breaking capacity up to 100KA

Model	Fuse Link Size (mm)	Rated Voltage (V)	Rated Current (A)
R 015	Ø 10 x 38	*500*	*32*
R 017	Ø 22 x 58	*500*	*125*