H22F07 Semiconductor Fast Fuse

1. Use and use

This series of fuses is suitable for circuits with rated AC voltage IEC (690V) UL (700V) DC 600V and rated current 25A-100A. The 80KA (AC) and 50KA (DC) segmented capabilities are mainly used for line overload and short circuit protection in electrical equipment, UPS system protection for small inverters, variable speed drive protection, and other similar 700V protection. The product complies with the provisions of the national standard GB13539-4, the International Power Commission standard IEC60269-4, and UL248-1/248-13

2. operational condition

The upper limit of ambient air temperature shall not exceed 125℃; the lower limit of ambient air temperature shall not be lower than-40℃; the altitude of the installation site shall not exceed 2000m (if exceeding this 2000m, the requirements shall be indicated, and the Company can design and develop according to customer requirements).

3. Usage category

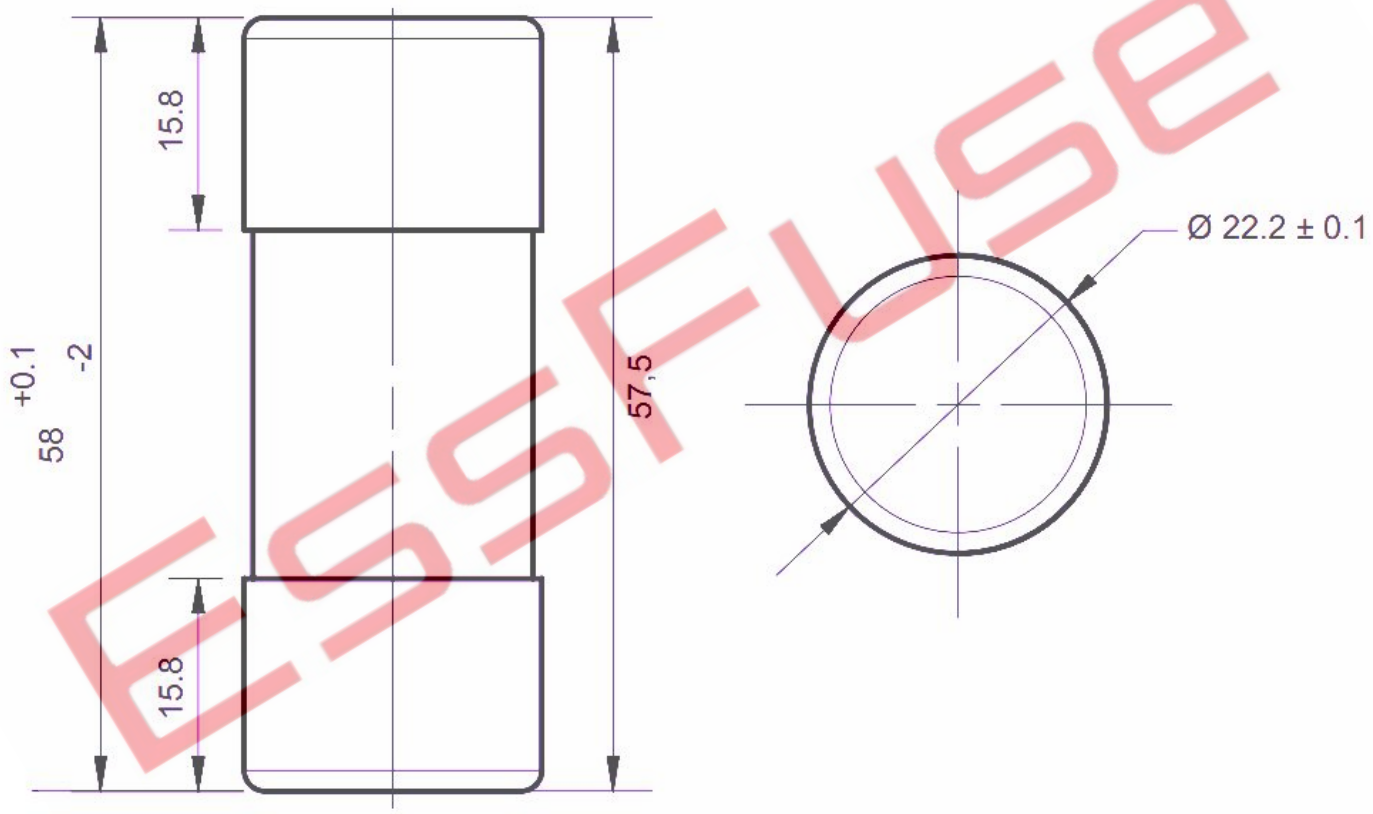
"aR" indicates the fuse used to protect the line overload and short circuit in the electrical device.

4 . Structural characteristics

The variable cross-section melt made of 99.99% pure silver is encapsulated in a melt tube made of high-strength ceramics. The melt tube is filled with chemically treated high-purity quartz sand and specially treated chemicals as arc extinguishing media, and both ends of

the melt are firmly electrically connected to the contacts.

5. Main technical parameters



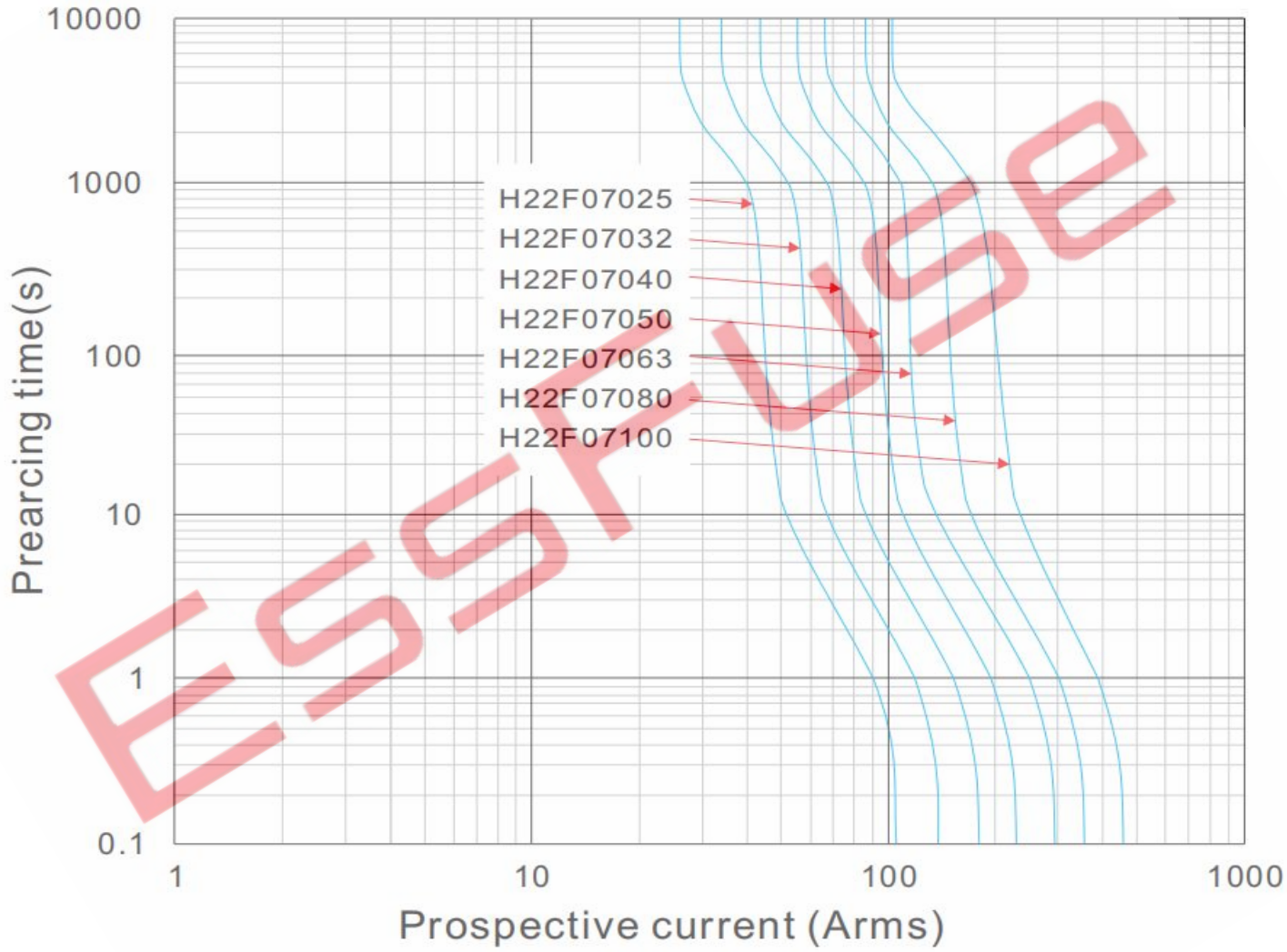
EssFuse

NO	Rated current（A）	$I^2T(A^2S)$		power LOSS（W）	Rated voltage (V)	model
1	25	32.4	300	8.5	690V/700V	H22F07025
2	32	60.3	650	10.5	690V/700V	H22F07035
3	40	101.8	950	12	690V/700V	H22F07040
4	50	217.6	1850	13.4	690V/700V	H22F07050
4	63	386.8	3100	15.5	690V/700V	H22F07063
5	80	840.1	6800	16	690V/700V	H22F07080
6	100	1890	13000	17.8	690V/700V	H22F07100

Can be customized according to customer requirements. The test data was conducted at a constant temperature of 23.5 degrees Celsius

6. Melting characteristic curve:

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10000
1000
100
10
1
0.1
Prearcing time(s)
1
10
100
1000
Prospective current (Arms)
H22F07025
H22F07032
H22F07040
H22F07050
H22F07063
H22F07080
H22F07100

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