Main types of fire detection fusible links

A fire detection fusible link is a mechanical component that breaks at a preset temperature. They are used in fire protection systems to open and close doors, vents, dampers, valves if the ambient temperature exceeds a certain value.

	Туре	Holes diameter (mm)	Standard hole distance (mm)	Standard thickness (mm)	Average welding surface (mm²)	Maximum permanent load (T <tc) in DaN*</tc) 	Dimensions
P	5EZ	4.3x2.3	9.1	0.3	72	7	16mm 11.4mm 4.3mm 15 2.3mm
	5EG	2 clamps	10	0.8	144	14	9.6mm 0.8mm 1.8mm
	5ED	5.2	16	1	192	19	29mm 16mm 12mm 2xØ5.2mm
	5ES	6.5	18	1.2	198	20	29.5mm 18mm 5ES*** 12mm 2xØ6.5mm
	5EE	6.9	23.7	0.8	216	21	37mm 23.7mm 13.4mm 2x06.9mm
000	5ER	6.9	23.7	0.8	216	21	37mm 23.7mm 14.9mm 2x08.9mm
	5EW	5.4	30.5	0.5	220	22	4.1mm 30.5mm 10mm 2x05.4mm
Q FFE O	5EP	5.1	25	0	230	23	35mm 25mm 10mm 2xØ5.1mm
<u> </u>	5EL	5	21.6	0.8	280	28	32.8mm 21.6mm 11.2mm 2x05mm
	5EV	6.3	32	1.5	450	45	57.5mm 32mm 25mm 2x06.3mm

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QF TO	5EN	7	39.5	0.8	513	51	55mm 39.5mm 5EN*** 0 0 19mm 2xØ7mm 1.8mm 0.8mm
0	5EM	9.2	41.4	1	513	51	57mm 41.4mm 19mm 2xØ9.2mm 2.2mm 1mm
	5EJ	6.9	46	0.8	544	54	60mm 46mm 14.8mm 2xØ6.9mm 1.4mm 0.6mm
	5EA	12.5	43.5	0.8	720	42	66.5mm 43.5mm 22.8mm 2.8mm 1.8mm 0.8mm
	5EY	10.3	50.8	1.5	722	72	73.6mm 50.8mm 19mm 2x010.3mm
	5EU	8	110	1.6	760	76	130mm 100mm 20030mm 2,2mm 1,5mm 11,22mm
Coop	5ET	10.3	59.6	1.6	798	80	\$2.4mm \$9.6mm \$417 \$1777 3.4mm 2x0210.3mm 3.2mm 1,5mm
	5EX	6.3	32.5	1.5	798	80	57.7mm 32.5mm 25mm 24.5mm 2xØ6.3mm 3.2mm 1,5mm
	5EH	12	95	1.5	1007	100	114mm 95mm 15mm 226012mm 3.2mm 1.5mm
	5EF	7	95	1.5	1178	120	114mm 95mm 15mm 2x67mm 32mm 15mm

^{*}Maximum permanent load depends of alloy composition and ambient temperature.

Values in this collumn are given for guidance only, and for a 70-72°C alloy.

Because of permanent improvement of our products, drawings, descriptions, features used on these data sheets are for guidance only and can be modified without prior advice

Specific testing for a combination of alloy and fusible link type is made on request.



The following formula can be used as a first estimation of values:

L= S/10, with L= maximum permanent load in DaN at temperature T<Tc, and S= Average welding surface in mm².

Some links with separating bumps or ramps may have sligthly higher values.