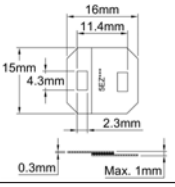
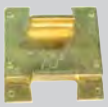
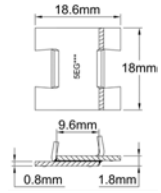
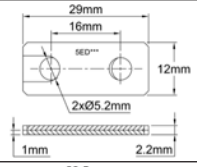
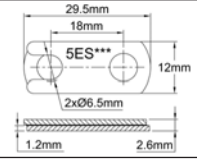
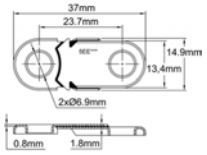
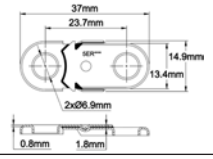
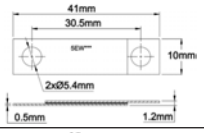
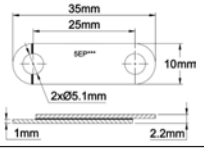
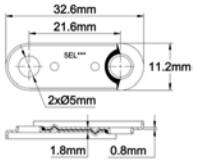
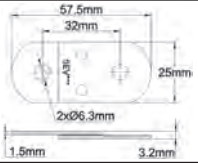
Main types of fire detection fusible links

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.

	Type	Holes diameter (mm)	Standard hole distance (mm)	Standard thickness (mm)	Average welding surface (mm²)	Maximum permanent load (T<Tc) in DaN*	Dimensions
	5EZ	4.3x2.3	9.1	0.3	72	7	
	5EG	2 clamps	10	0.8	144	14	
	5ED	5.2	16	1	192	19	
	5ES	6.5	18	1.2	198	20	
	5EE	6.9	23.7	0.8	216	21	
	5ER	6.9	23.7	0.8	216	21	
	5EW	5.4	30.5	0.5	220	22	
	5EP	5.1	25	0	230	23	
	5EL	5	21.6	0.8	280	28	
	5EV	6.3	32	1.5	450	45	

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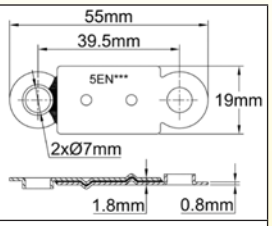
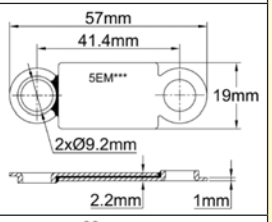
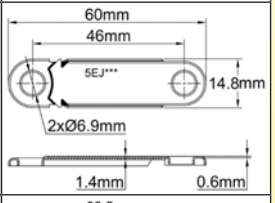
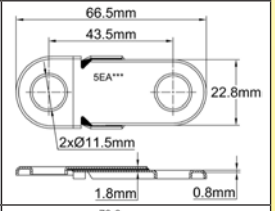
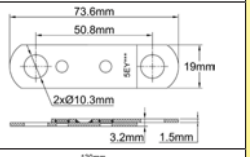
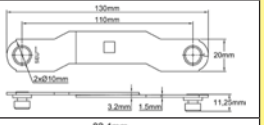
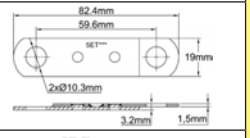
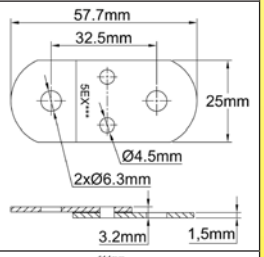
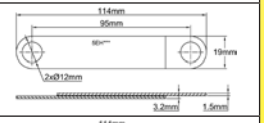
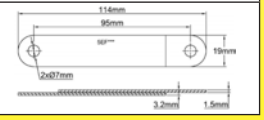
Main types of fire detection fusible links

	5EN	7	39.5	0.8	513	51	
	5EM	9.2	41.4	1	513	51	
	5EJ	6.9	46	0.8	544	54	
	5EA	12.5	43.5	0.8	720	42	
	5EY	10.3	50.8	1.5	722	72	
	5EU	8	110	1.6	760	76	
	5ET	10.3	59.6	1.6	798	80	
	5EX	6.3	32.5	1.5	798	80	
	5EH	12	95	1.5	1007	100	
	5EF	7	95	1.5	1178	120	

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