NH Fuse-Links AC 500 V gR

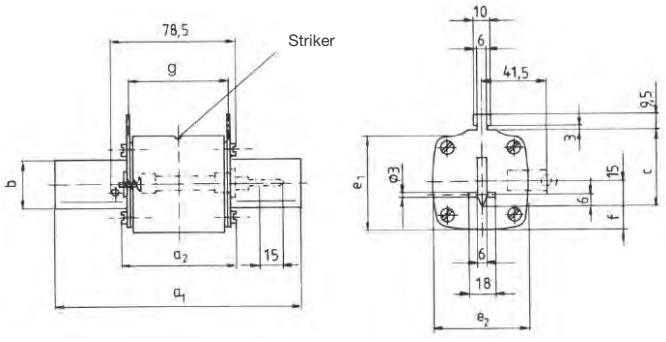
For semiconductor protection – pure silver fuse element
Rated voltage: AC 500 V
Utilization category: gR acc. to VDE 0636-4
Application: For semiconductor protection
Breaking capacity: 120 kA

Without striker

Size	Amps	PU	Metal gripping lugs Order no.
00	16	3	**35024-0180**
00	20	3	**35024-0170**
00	25	3	**35024-0190**
00	35	3	**35024-0010**
00	40	3	**35024-0020**
00	50	3	**35024-0030**
00	63	3	**35024-0040**
00	80	3	**35024-0050**
00	100	3	**35024-0060**
00	125	3	**35024-0070**
00	160	3	**35024-0080**
1	35	3	**35040-0010**
1	50	3	**35040-0020**
1	63	3	**35040-0030**
1	80	3	**35040-0040**
1	100	3	**35040-0050**
1	125	3	**35040-0060**
1	160	3	**35040-0070**
1	200	3	**35040-0080**
1	(224)	3	**35040-0090**
1	250	3	**35040-0100**
2	80	3	**35058-0010**
2	100	3	**35058-0020**
2	125	3	**35058-0030**
2	160	3	**35058-0040**
2	200	3	**35058-0050**
2	(224)	3	**35058-0060**
2	250	3	**35058-0070**
2	(300)	3	**35058-0080**
2	315	3	**35058-0090**
2	(355)	3	**35058-0100**
2	400	3	**35058-0110**
3	315	1	**35079-0010**
3	(355)	1	**35079-0020**
3	400	1	**35079-0030**
3	(425)	1	**35079-0040**
3	500	1	**35079-0050**
3	630	1	**35079-0060**

( ) = Dimensions according to DIN,
rated current not standardized in VDE 0636

Dimensions: DIN 43620-1



Electrical characteristics:
EFEN NH fuse-links for semiconductor protection feature the following properties:
1. ultra-quick time-current characteristics adjusted to protection requirements
2. a low arc voltage characteristic with low overvoltage

EFEN gR fuse-links may be used as full-range fuses for overload and short-circuit protection or in conjunction with other overcurrent protection devices to provide short-circuit protection only.

Variant with striker:
A spring-loaded striker pin is provided in parallel with the fuse-link. When the NH fuse-link trips, the striker pin is released, actuating the micro-switch on the NH fuse-base.

With striker

Size	Amps	PU	Metal gripping lugs Order no.
00	16	3	**35218-0010**
00	20	3	**35218-0020**
00	25	3	**35218-0030**
00	35	3	**35218-0040**
00	40	3	**35218-0050**
00	50	3	**35218-0060**
00	63	3	**35218-0070**
00	80	3	**35218-0080**
00	100	3	**35218-0090**
00	125	3	**35218-0100**
1	35	1	**35046-0010**
1	50	1	**35046-0020**
1	63	1	**35046-0030**
1	80	1	**35046-0040**
1	100	1	**35046-0050**
1	125	1	**35046-0060**
1	160	1	**35046-0070**
1	200	1	**35046-0080**
1	(224)	1	**35046-0090**
1	250	1	**35046-0100**
2	80	1	**35060-0050**
2	100	1	**35060-0060**
2	125	1	**35060-0070**
2	160	1	**35060-0080**
2	200	1	**35060-0090**
2	(224)	1	**35060-0100**
2	250	1	**35060-0110**
2	(300)	1	**35060-0120**
2	(315)	1	**35060-0130**
2	355	1	**35060-0140**
2	400	1	**35060-0150**
3	315	1	**35086-0010**
3	(355)	1	**35086-0020**
3	400	1	**35086-0030**
3	(425)	1	**35086-0040**
3	500	1	**35086-0050**
3	630	1	**35086-0060**

Size	a_1	a_2	b	c	e_1	e_2	f	g
00	78,5	53	15	35	40	28	12,5	47
0	125	67	15	35	38	35	11,5	65
1	135	71	24,5	40	45	45	10	65
2	150	72	30	48	59	59	14,5	65
3	150	72	40	60	70	70	15	65

NH Fuse-Links AC 500 V gR

Rated power dissipation in Watts of NH Fuse-Links size 00 – 3 gR AC 500 V VDE 0636-4

I_n	Size			
A	**00**	**01**	**2**	**3**
16	6,0			
20	7,2			
25	8,0			
35	9,6	12,6		
50	12,0	14,0		
63	14,0	17,2		
80	17,7	21,2	20,0	
100	25,7	27,5	27,1	
125	29,7	31,2	29,7	
160	45,3	38,0	35,5	
200		46,0	43,9	
224		56,9	51,9	
250		65,0	56,8	
300			**67,7**	
315			68,7	67,7
355			80,6	77,5
400			91,6	88,5
425				97,2
500				115,7
630				168,3

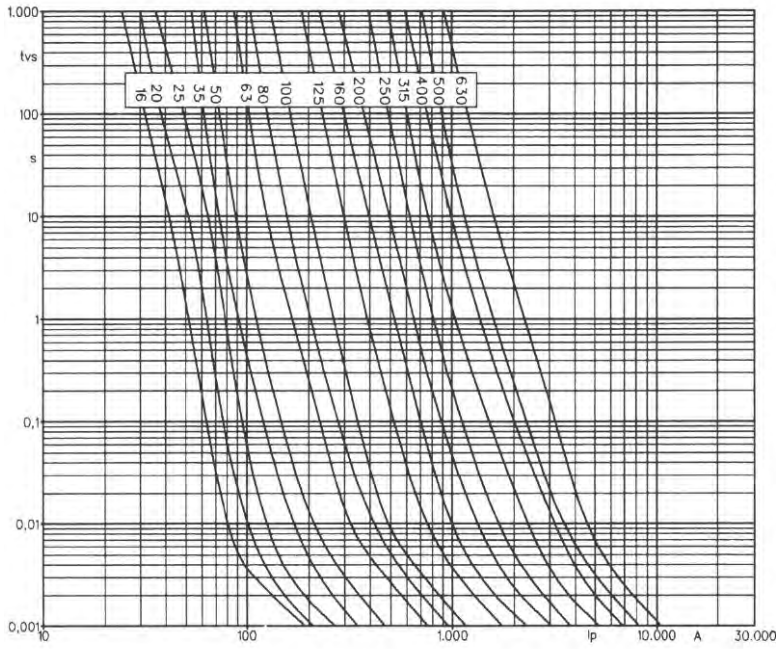
Breaking capacity DC 500 V gR

Size 00: 25 kA, 240 V DC
Size 1: 25 kA, 440 V DC
Size 2: 25 kA, 440 V DC
Size 3: 25 kA, 440 V DC

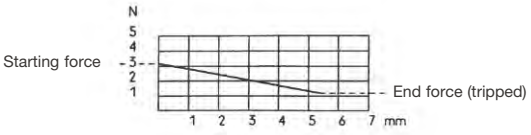
NH Fuse-Links AC 500 V gR

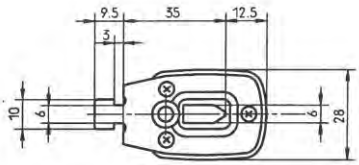
For semiconductor protection – pure silver fuse element

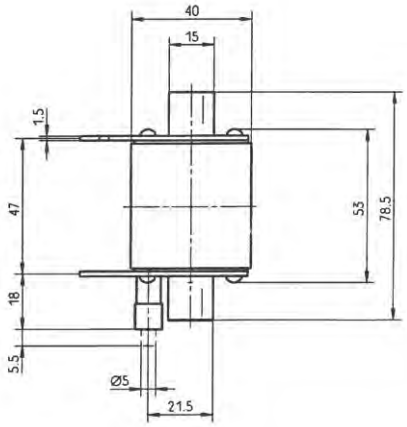
Time-current characteristics acc. to VDE 0636-2 and IEC/EN 60269-2



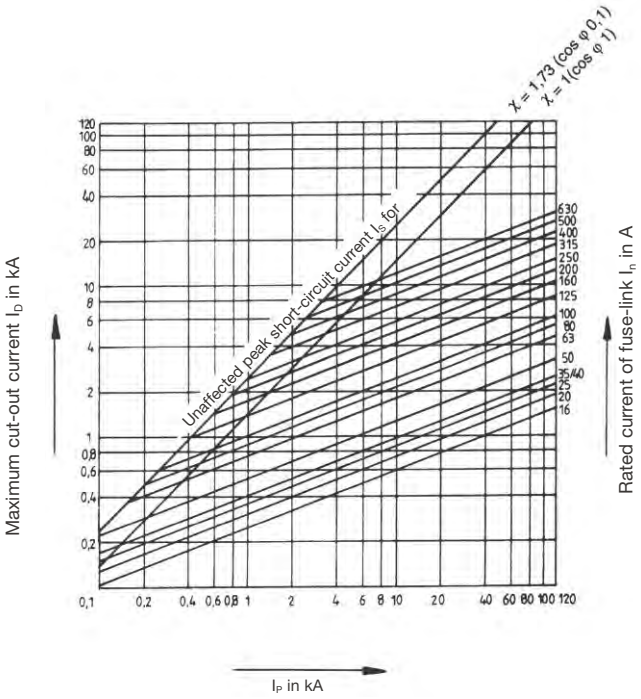
Force-distance diagram of the striker







Cut-out current characteristics acc. to VDE 0636-2 and IEC/EN 60269-2



I_p acc. to prospective short-circuit current I_k at point of fault (DIN / VDE 0102 part 2)

Pre-arcing and operating integrals acc. to VDE 0636-2 and IEC/EN 60269-2