

- Low-voltage high-performance fuse
- According to DIN VDE 0636 Part 201, DIN 43620 and DIN EN/IEC 60269-1 und DIN EN/IEC 60269-2
- Rated voltage: AC 500 V
- Live metal handle tabs with folding detector, except Art.-No.: 05103592, ID-Nr. 054118 with combination core detector
- selectivity factor: 1,6
- Operating class (gL)-gG: Full-range fuse inserts (for cable and cable scoop) for general Uses
- Rated voltage: 500 V
- Rated breaking capacity: 120 kA
- Rated frequency: 45–62 Hz
- Insulating body made of steatite/cordierite
- Single-piece full contact knives with surface treatment
- Anti-magnetic cover plate made of aluminium alloy
- Copper fusible conductor



Information

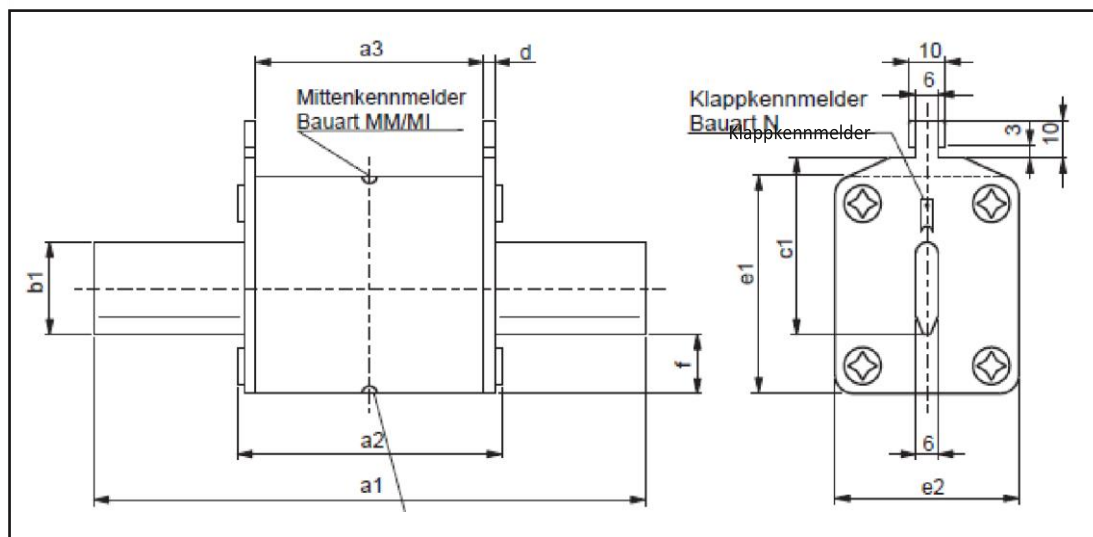
Art.-No.	ID-No.	Type	VPE	rated current	Size	Achievement	Width
05103592	054118	PSI NH2 TR 35A	1 / 3	35 A	NH2	-	40 mm
05103593	054119	PSI NH2 TR 40A	1 / 3	40 A	NH2	-	40 mm
05103594	054120	PSI NH2 TR 50A	1 / 3	50 A	NH2	4.1 W	40 mm
05103595	054121	PSI NH2 TR 63A	1 / 3	63 A	NH2	6.8 Watts	40 mm
05103596	054122	PSI NH2 TR 80A	1 / 3	80 A	NH2	8.3 Watts	40 mm
05100704	051036	PSI NH2 TR 100A	1 / 3	100 A	NH2	10.7 Watts	40 mm
05100705	051037	PSI NH2 TR 125A	1 / 3	125 A	NH2	12.2 Watts	40 mm
05100706	051038	PSI NH2 TR 160A	1 / 3	160 A	NH2	15.0 W	40 mm
05100707	051039	PSI NH2 TR 200A	1 / 3	200 A	NH2	18.5 Watts	40 mm
05103597	054123	PSI NH2 TR 224A	1 / 3	224 A	NH2	19.2 Watts	40 mm
05100708	051040	PSI NH2 TR 250A	1 / 3	250 A	NH2	20.6 Watts	40 mm
05103598	054124	PSI NH2 TR 300A	1 / 3	300 A	NH2	20.6 Watts	50 mm

05100709	051041	PSI NH2 TR 315A	1 / 3	315 A	NH2	25.0 Watts	50 mm
05103599	054125	PSI NH2 TR 355A	1 / 3	355 A	NH2	31.5 Watts	50 mm
05100710	051042	PSI NH2 TR 400A	1 / 3	400 A	NH2	28.5 Watts	50 mm

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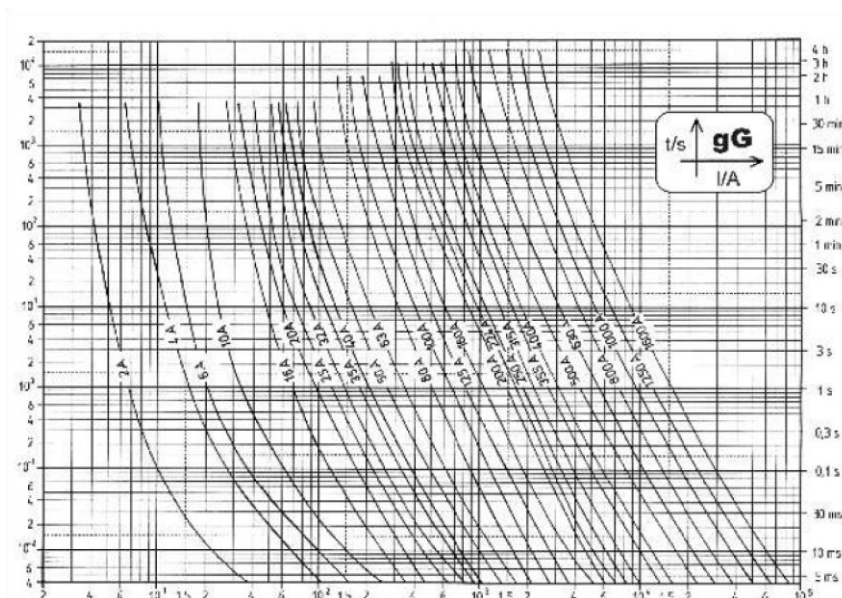
Conventional times and currents

rated current	holding current	shutdown current	Conventional time
6 A bis 10 A	1,5 In	1,9 In	1 hour
16 A bis 63 A	1,25 In	1,6 In	1 hour
80 A bis 160 A	1,25 In	1,6 In	2 hours



Dimensions

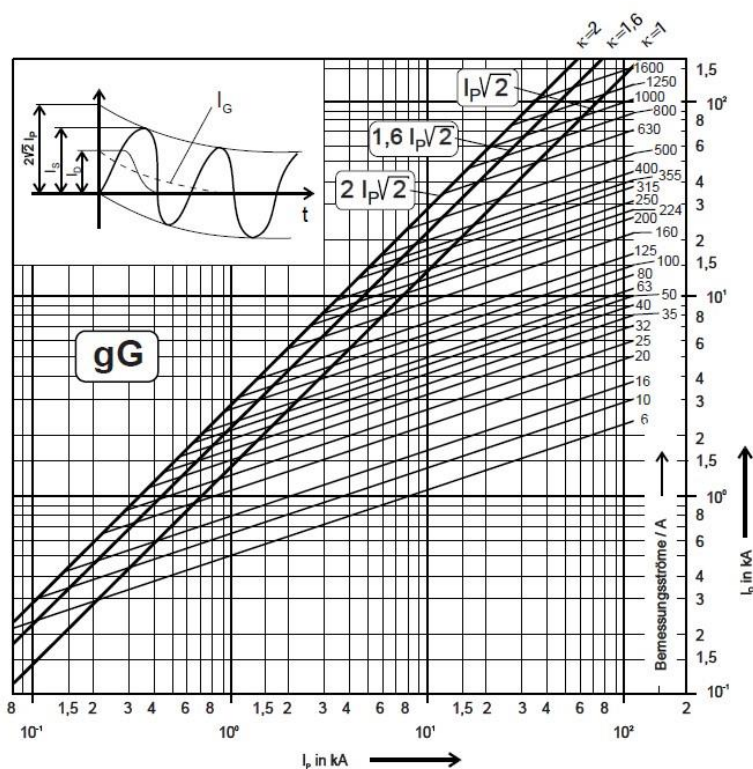
Size	a1	a2	a3	b1	c1	d	e1	e2	f
NH2 (35 A- 250 A)	150 mm	72 mm	62 mm	20 mm	48 mm	2,5 mm	48 mm	40 mm	12 mm
NH2 (300 A- 400 A)	150 mm	72 mm	62 mm	25 mm	48 mm	2,5 mm	59 mm	50 mm	14 mm



Time-current characteristic curve

The mean time-current characteristic curves apply at an ambient temperature of $20 \pm 5^\circ\text{C}$ and the cable (line) cross-sections assigned in the regulations for test construction.

Forward current characteristic curve, current limiting diagram



- I_D Durchlassstrom
- I_B abklingender Gleichstromanteil
- I_p prospective short-circuit current
- I_s Stoßkurzschlussstrom = $I_p \cdot k \cdot \sqrt{2}$
- k Stoßfaktor $k = 2$ for body $\varphi = 0$; $k = 1$ for $\cos \varphi = 1$