



EFEN NH Low Voltage High Rupturing Capacity Fuses and Solid Links

For horizontal and vertical disconnects

DS0045 R3 EFEN NH LV High Rupturing Capacity Fuses and Solid Links 10/2024

NH stands for “low voltage high rupturing capacity” (from the German: Niederspannungs Hochleistungs Sicherungen). NH fuses have a breaking capacity generally exceeding 100kA, which covers virtually all the short-circuit currents expected to be encountered in low voltage systems.

The NH fuse system, developed by our brand partner, EFEN, is used worldwide, and comprises fuses, solid links, fuse bases and fuse switch disconnects. NH fuses are designed to be used by authorised persons, and as such their design does not provide inherent protection against electric shock; instead, the fuse switch disconnect provides this protection. EFEN SILAS and IN series horizontal disconnects are fully compliant in this regard and EFEN E3 vertical disconnects deliver best practise, with fully shrouded source and load contacts, even in the open position.

NH fuses and links sizes 00, 1, 2, 3 and 4a for which fully standardised bases are available.

There is no minimum operating voltage that must be observed for NH fuses, and they are designed to operate with ac systems from 45-62 Hz.

For most distribution line and cable applications, NH fuses with utilisation category gG are specified. These have full-range breaking capacity for general application, and have a time-current characteristic aligned to meet the current carrying capacity of insulated conductors.

Hiko stocks a range of the most commonly used sizes of gG fuses. Other specialised fuses with different operating characteristics are also available.

Product Selection Table: Fuse Links

Hiko Code	NH size	Rated Current (A)	
WEF00006	00	6	
WEF00010		10	
WEF00016		16	
WEF00020		20	
WEF00025		25	
WEF00035		35	
WEF00040		40	
WEF00050		50	
WEF00063		63	
WEF00080		80	
WEF00100		100	
WEF00125		125	
WEF00160		160	
WEF1025		1	25
WEF1035			35
WEF1050			50
WEF1063	63		
WEF1080	80		
WEF1100	100		
WEF1125	125		
WEF1160	160		
WEF1200	200		
WEF1250	250		

Hiko Code	NH size	Rated Current (A)
WEF2025	2	25
WEF2035		35
WEF2063		63
WEF2080		80
WEF2100		100
WEF2125		125
WEF2160		160
WEF2200		200
WEF2250		250
WEF2315		315
WEF2355	355	
WEF2400	3	400
WEF3315		315
WEF3400		400
WEF3500		500
WEF3630		630
WEF4630		630
WEF4800	4a	800
WEF41000		1000
WEF41250		1250
WEF41600		1600

Product Selection Table: Solid Links

Hiko Code	NH size	Rated Current (A)
WEFS0	0	160
WEFS1	1	250
WEFS2	2	400
WEFS3	3	630
WEFS4	4a	1600

Notes

Fuse links are rated for use up to 500 Vac

Other literature available on request

Reports, drawings, technical data sheets, installation instructions, O&M guidelines