

# NH KNIFE-BLADE

**FUSE LINKS & FUSE BASES** 



# aM NH 690V fuse links



















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**RATED VOLTAGE** 690V

RATED CURRENT

BREAKING CAPACITY 80kA

**STANDARDS**IEC/EN 60269-1
IEC/EN 60269-2



# Knife type NH aM 690V fuse links with top indicator

These high breaking capacity fuse-links are intended for short circuit protection in motors, transformer and other load with high inrush currents, with rated voltages up to 690V (+5%).

The rated breaking capacity is 80kA at 690V or 120kA at 500V. Excellent protection of switchgear (contactor, thermal switch) due to the good current limiting capability and low  $\rm l^2t$  values. These fuse links must be associated to an overload device protection (thermal switch).

The range comprises the following fuse links:

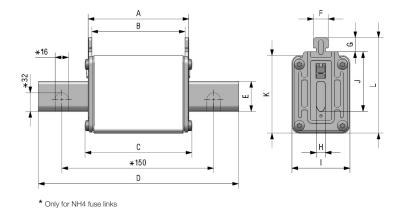
#### ightarrow Size NH000 aM 690V 6A to 40A

Manufactured with ceramic body with high withstand to internal pressure and thermal shock, that allows a high breaking capacity. Knife contacts are made of silver plated copper or brass.

They are manufactured according to IEC/EN60269 Standards and comply with RoHS directive.



## **Dimensions**



**A B C D E F G H I J K L** 49 45 52 78,5 15 10 9,5 6 21 35 40 53

Weight 120gr

### Range

<b>In</b> (A)	REFERENCE	PACKING Uni /BOX
6	381010	3/90
10	381015	3/90
16	381020	3/90
20	381025	3/90
25	381030	3/90
32	381035	3/90
35	381040	3/90
40	381045	3/90









## **Technical data**

Rated voltage	690V AC +5%		
Rated current	6A40A		
Rated breaking capacity	80kA		
Utilization category	аМ		
Rated frequency	4262Hz		
Storage temperature	-40°C 90°C		
Operating temperature *	-40°C 80°C		

<sup>\*</sup> For ambient temperatures higher than 25°C it is necessary to apply a derating in maximum current.

## **Standards**

IEC/EN 60269-1 IEC/EN 60269-2 RoHS Compliant



### **Materials**

Body	Steatite C221	
Contact blades	Copper or brass (silver plated)	
Plates	Aluminium	
Screws	Zinc plated steel	

# **Power dissipation**

In	POWER DISSIPATION	PREARCING I2t	TOTAL I2t 230V	TOTAL I2t 400V	TOTAL I2t 500V
(A)	(W)	$\approx 4 \text{ ms } (A^2 \text{s})$	(A <sup>2</sup> s)	(A <sup>2</sup> s)	(A <sup>2</sup> s)
6	0,33	160	324	387	542
10	0,55	325	659	786	1100
16	0,85	820	1619	1919	2650
20	1,0	1240	2634	3179	4547
25	1,1	2500	5310	6410	9167
32	1,6	3200	6796	8204	11733
35	1,8	4100	8708	10512	15033
40	1,9	6000	12743	15383	22000



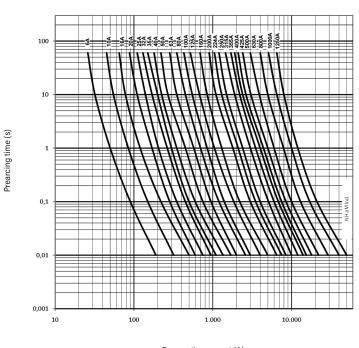


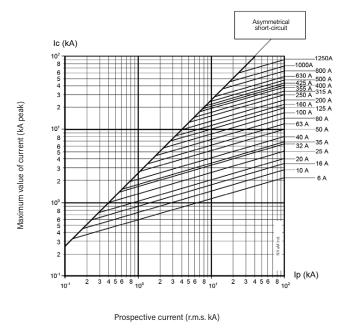




### t-I characteristics

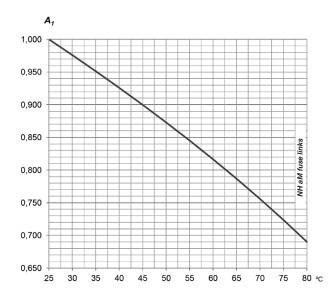
### **Cut-off characteristics**





Prospective current (A)

## **Ambient temperature derating factor**



ta	<b>A</b> 1
(°C)	
25	1,00
30	0,98
35	0,95
40	0,93
45	0,90
50	0,87
55	0,84
60	0,82
65	0,79
70	0,76
75	0,72
80	0,69



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To prevent electrical hazards, carry out the installation without voltage.



Safety notice
Please capture the following QR code
and read our safety notice carefully
before installing our products.



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