



Low-voltage h.b.c fuse switch strip, 160A, 500V/160A, 690V/160A, size 00

Part no. **NH-SLS-00/160-60**  
Catalog No. **106211**

Similar to illustration

## Delivery program

Product range			60 mm system
Basic function			Busbar fuse material
Subrange			Low-voltage h.b.c. switch-fuse units
Description			Without fuse monitoring With connection area cover Mounting with snap-on mechanism
Information about equipment supplied			With clamp/screw connection set
Interval between busbar centres		mm	60
Rated operational current	$I_e$	A	160
<b>Max. fuse</b>			
400 V		A	160
690 V		A	160
Frame size			00
For use with			12 x 5/10 15 x 5/10 20 x 5/10 25 x 5/10 30 x 5/10
For use with			Double T profile Triple T profile
Connection			top or bottom
<b>Notes</b> NH-fuse-links → #289998			

## Technical data

### General

Climatic proofing			Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
Ambient temperature			-5 - +40
Altitude		m	max. 2000 m
Interval between busbar centres		mm	60
Number of poles/phases		n	3
Mounting position			Vertical, horizontal
Overvoltage category/pollution degree			III/3
Protection type			IP30 (Operating state) IP10 (Front cover open)
Degree of Protection			IP30

Direction of incoming supply			as required
Lifespan, mechanical	Operations		1400
Weight		kg	1.46

## Contacts

Rated frequency	f	Hz	50 - 60
Rated insulation voltage	U <sub>i</sub>	V	1000
Rated operating mode			continuous operation
Rated impulse withstand voltage	U <sub>imp</sub>	kV	8
Interval between busbar centres		mm	60
Overvoltage category/pollution degree			III/3
Rated operational current	I <sub>e</sub>	A	160
690 V		A	160
Rated conditional short-circuit current AC	I <sub>q</sub>	kA <sub>eff</sub>	50
Utilization category AC22B			
Rated operating voltage	U <sub>e</sub>	V AC	690
Rated operating current	I <sub>e</sub>	A	160
Utilization category AC-23B			
Rated operating voltage	U <sub>e</sub>	V AC	500/400
Rated operating current	I <sub>e</sub>	A	125/160
Utilization category AC-21B			
Rated operating voltage	U <sub>e</sub>	V AC	690
Rated operating current	I <sub>e</sub>	A	160
Electrical		Operation	≥ 200
Heat dissipation at I <sub>th</sub> AC, without NH-SE		W	20

## Electrical data

Number of poles			3 pole
Number of poles			3
Rated operational voltage	U <sub>e</sub>	V	
Rated operating voltage	U <sub>e</sub>	V AC	400
Rated frequency	f	Hz	50 - 60
Rated operational current	I <sub>e</sub>	A	160
Conventional thermal current	I <sub>th</sub>	A	160
Control mode			Uninterrupted operation
Overvoltage category			III
Rated impulse withstand voltage	U <sub>imp</sub>	kV	8
Power loss			
Fuse		W	20 W at 160 A

## Relay contacts

Electrical		Operation	≥ 200
Lifespan, mechanical	Operations		1400

## Max. fuse

Frame size			00
Max. rated operational current gL/gG		A	160
Max. admissible heat dissipation NH-SE	P <sub>V</sub>	W	12

## Terminal capacity

Box terminal			
Copper band	Number of segments x width x thickness	mm	6 x 9 x 0.8
Flange connection			
Diameter	d	mm	M8
Stranded with cable lug		mm <sup>2</sup>	1 x 70
Flat busbar	max.	mm	20 x 8
Box terminal			
Stranded		mm <sup>2</sup>	1.5 - 70

Flat conductor	Lamellenzahl x Breite x Dicke	mm	6 x 9 x 0.8
----------------	-------------------------------------	----	-------------

## Mechanical variables

Mounting on busbars			
Combi-base for busbars			direct on 12 - 30 x 5/10 Double T profile Triple T profile
Tightening torque of terminal screws		Nm	3
Lifespan, mechanical	Operations		1400
Overvoltage category/pollution degree			III/3

## Design verification as per IEC/EN 61439

Technical data for design verification			
Operating ambient temperature min.		°C	-5
Operating ambient temperature max.		°C	40

## Technical data ETIM 7.0

Low-voltage industrial components (EG000017) / In-line fuse base (EC001046)			
Electric engineering, automation, process control engineering / Low-voltage switch technology / Off-load switch, circuit breaker, control switch / Fuse strip (ec1@ss10.0.1-27-37-14-02 [AKF059013])			
Model			Fuse switch disconnecter
Double interrupting			No
Rated permanent current I <sub>u</sub>		A	160
Distance between rail centre, 40 mm			No
Distance between rail centre, 50 mm			No
Distance between rail centre, 60 mm			Yes
Distance between rail centre, 100 mm			No
Distance between rail centre, 185 mm			No
Max. rated operation voltage U <sub>e</sub> AC		V	690
Conditioned rated short-circuit current I <sub>q</sub>		kA	50
Type of electrical connection of main circuit			Rail connection
Number of poles			3
Construction size fuse insert			NH00
Release indication			None

