



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

Part no. **NH-SLS-00/160-SI**
Article no. **106215**

Delivery program



Product range			185 mm system
Basic function			Busbar fuse material
Subrange			Low-voltage h.b.c. switch-fuse units
Description			100 millimeter between busbar centres, optionally with 185 mm adapters With fuse monitoring With connection area cover Screw fixing on busbar with drilled holes
Information about equipment supplied			With clamp/screw connection set
Interval between busbar centres		mm	100
Rated operational current	I_e	A	160
Max. fuse			
400 V		A	160
690 V		A	160
Frame size			00
For use with			30 x 10 40 x 10 50 x 10 60 x 10 80 x 10 100 x 10 120 x 10
For use with			Double T profile Triple T profile
Connection			top or bottom

Technical data

General			
Standards			IEC/EN 60255, VDE 0435 part 303
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	100
Number of poles/phases		n	3
Mounting position			Vertical, horizontal
Overtoltage 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		100000000
Weight		kg	1.37

Contacts

Rated operational voltage	U _e	V	3 x 400 AC
Voltage range		V AC	U _e x 0.8 - 1.1
Rated frequency	f	Hz	50 - 60
Own power consumption per phase (rung)		VA	 2 (L2/L3)
Rated insulation voltage	U _i	V	400
Rated operating mode			continuous operation
Rated impulse withstand voltage	U _{imp}	kV	4
Rated voltage	U _e	V AC	250
Interval between busbar centres		mm	100
Overtoltage category/pollution degree			III/3
Rated operational current	I _e	A	160
690 V		A	160
Rated conditional short-circuit current AC	I _q	kA _{eff}	50
Utilization category AC22B			
Rated operating voltage	U _e	V AC	690
Rated operating current	I _e	A	160
Utilization category AC-23B			
Rated operating voltage	U _e	V AC	500/400
Rated operating current	I _e	A	125/160
Utilization category AC-21B			
Rated operating voltage	U _e	V AC	690
Rated operating current	I _e	A	160
Electrical		Operations	 150000
Heat dissipation at I _{th} AC, without NH-SE		W	20

Electrical data

Number of poles			3 pole
Number of poles			3
Rated operational voltage	U _e	V	
Rated operating voltage	U _e	V AC	400
Rated frequency	f	Hz	50 - 60
Rated operational current	I _e	A	160
Conventional thermal current	I _{th}	A	160
Control mode			Uninterrupted operation
Overtoltage category			III
Utilization category			AC 15
Rated impulse withstand voltage	U _{imp}	kV	4
Power loss			
Fuse		W	20 W at 160 A

Relay contacts

Standards			EN 60947-5-1
Rated voltage	U _e	V AC	250
Conventional thermal current	I _{th}	A	4

AC-15			
Rated operational voltage	U _e	V AC	230
Rated operational current			
AC-15 with 230 V	I _e	A	1
Electrical		Operations	150000
Lifespan, mechanical	Operations		100000000
Max. admissible back-up fuse		A gL	4

Max. fuse

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

Terminal capacity

Box terminal			
Solid		mm ²	2 x 2.5
Flange connection			
Diameter	d	mm	M8
Stranded with cable lug		mm ²	1 x 70
Flat busbar	max.	mm	20 x 10
Box terminal			
Stranded		mm ²	1.5 - 70
Flat conductor	Lamellenzahl x Breite x Dicke	mm	6 x 9 x 0.8
Pick-up/drop-out time		ms	< 500

Mechanical variables

Mounting on busbars			
Adapter for busbars			Z-...SAD Z-...SADD
Screw connection for busbars			Only in combination with adapter for M8 ... x 5/10
Terminals			Lift terminals
Lifespan, mechanical	Operations		100000000
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 5.0

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 (ecl@ss8-27-37-14-02 [AKF059009])			
Model			Fuse switch disconnecter
Double interrupting			No
Rated permanent current Iu		A	160
Distance between rail centre, 40 mm			No
Distance between rail centre, 50 mm			No
Distance between rail centre, 60 mm			No
Distance between rail centre, 100 mm			Yes
Distance between rail centre, 185 mm			Yes
Max. rated operation voltage Ue AC		V	690
Conditioned rated short-circuit current Iq		kA	50
Connection type main current circuit			Rail connection
Number of poles			3
Construction size fuse insert			NH00

Dimensions

