DATASHEET - NH-SLS-00/160-60-SI

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

Powering Business Worldwide

Part no. NH-SLS-00/160-60-SI
Catalog No. 106216

Delivery program

Product range			60 mm system
Basic function			Busbar fuse material
Subrange			Low-voltage h.b.c. switch-fuse units
Description			With 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
Max. fuse			
400 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

Notes NH-fuse-links →#289998

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	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		100000000
Weight		kg	1.25

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	60
Overvoltage category/pollution degree			III/3

Rated operational current	I_e	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
Overvoltage 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 8
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			
Combi-base for busbars			direct on 12 - 30 x 5/10 Double T profile Triple T profile
Terminals			Lift terminals
Tightening torque of terminal screws		Nm	3
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 8.0

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@ss10.0.1-27-37-14-02 [AKF059013])

Model			Fuse switch disconnector
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			Yes
Distance between rail centre, 100 mm			No
Distance between rail centre, 185 mm			No
Max. rated operation voltage Ue AC		V	690
Conditioned rated short-circuit current Iq		kA	50
Type of electrical connection of main circuit			Rail connection
Number of poles			3
Construction size fuse insert			NH00
Release indication			Mechanical top-plate indicator