



## NH fuse switch-disconnector, 100A, 500V/100A, 690V/-A, size 000

**Part no.** LTS-100/C00/3-R  
**Article no.** 284690

### Delivery program

Product range			60 mm system
Subrange			NH fuse switch-disconnectors
Description			Including handguard at top and bottom Mounting without holes
Function			For surface mounting on busbars For fitting on mounting plate
Number of poles			3 pole
Connection			Box terminal 1.5...50 mm <sup>2</sup> Bottom
Interval between busbar centres		mm	60
Rated operational current	$I_e$	A	100
<b>Max. fuse</b>			
500 V		A	100
Frame size			NH000
For use with			20 x 5/10 30 x 5/10
For use with			Double T profile

### Technical data

#### General

Standards			IEC/EN 61131-3
Standards			IEC/EN 60947-3
Climatic proofing			Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
Ambient temperature			-25 - +55
Altitude		m	Max. 2000
Interval between busbar centres		mm	60
Mounting position			Vertical or horizontal
Overvoltage category/pollution degree			III/3
Protection type			IP20 (Operating state) IP10 (Front cover open)
Degree of protection, from the front			
Operational state			IP20
Front cover open			IP10
Direction of incoming supply			as required
Lifespan, mechanical	Operations		1700
Weight		kg	0.57

#### Contacts

Rated operational voltage	$U_e$	V AC	500
Rated operational voltage	$U_e$	V DC	220
Rated operational current	$I_e$	A	100
Rated frequency	f	Hz	40 - 60
Rated conditional short-circuit current AC	$I_q$	kA <sub>eff</sub>	50
Rated conditional short-circuit current, DC	$I_q$	kA <sub>rms</sub>	25
Utilization category AC22B			
Rated making capacity		A	300
Rated breaking capacity		A	300

Utilization category DC21B			
Rated making capacity		A	400
Rated breaking capacity		A	400
Lifespan, electrical	Operations		300
Electrical		Operations	300
Lifespan, mechanical	Operations		1700
Heat dissipation at I <sub>th</sub> AC, without NH-SE		W	11.5
Heat dissipation at I <sub>th</sub> DC, without NH-SE		W	7.7
Rated insulation voltage	U <sub>i</sub>	V AC	500
Rated impulse withstand voltage	U <sub>imp</sub>	kV	8
Rated insulation voltage	U <sub>i</sub>	V	750

### Max. fuse

Frame size			NH000
Max. rated current, gL/gG		A	100
Max. admissible heat dissipation NH-SE	P <sub>v</sub>	W	7.5

### Terminal capacity

Box terminal			
Stranded		mm <sup>2</sup>	1.5 - 50
Copper strip	Number of segments x width x thickness	mm	6 x 9 x 0.8
Tightening torque		Nm	2.6
Copper band	Number of segments x width x thickness	mm	6 x 9 x 0.8
Box terminal			
Tightening torque		Nm	2.6

### Notes

Fuse-link	
-----------	--

## Design verification as per IEC/EN 61439

Technical data for design verification			
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	55

## Technical data ETIM 6.0

Low-voltage industrial components (EG000017) / Fuse switch disconnecter (EC001040)			
Electric engineering, automation, process control engineering / Low-voltage switch technology / Off-load switch, circuit breaker, control switch / Fuse switch disconnecter (ecI@ss8.1-27-37-14-01 [AKF058010])			
Version as main switch			No
Version as safety switch			No
Max. rated operation voltage U <sub>e</sub> AC		V	500
Rated permanent current I <sub>u</sub>		A	100
Rated operation power at AC-23, 400 V		kW	40
Conditioned rated short-circuit current I <sub>q</sub>		kA	50
Rated short-time withstand current I <sub>cw</sub>		kA	50
Suitable for fuses			NH000
Number of poles			3
With error protection			No
Type of electrical connection of main circuit			Screw connection
Suitable for ground mounting			No
Suitable for front mounting 4-hole			No
Suitable for busbar mounting			Yes
Type of control element			Rocker lever
Position control element			Front side

Motor drive optional		No
Motor drive integrated		No
Version as emergency stop installation		No
Degree of protection (IP), front side		IP20

## Dimensions

