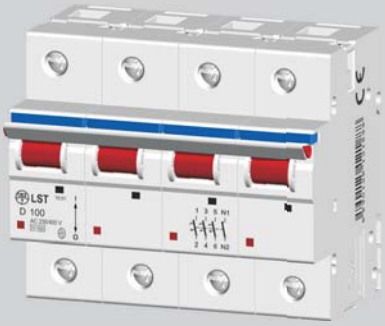
MINIATURE CIRCUIT BREAKERS LST UP TO 125 A (10 kA)



- For building, commercial and industrial installations up to 125 A 230/400 V a.c. and 440 V d.c.
- For cable and conductor overload and short-circuit protection
- Tripping characteristics B, C, D according to EN 60 898
- Optical position indicator - indicates ON/OFF position
- Colours of control levers in accordance with the colours of fuses with screw base
- Wide range of accessories – auxiliary switches, undervoltage releases and shunt trips, busbars
- Possibility of testing the tripping mechanism function by insertion of a pin in the hole designated TEST on the front panel of the device
- Rated short-circuit breaking capacity I_{cn} = 10 kA – to achieve higher I_{cn} (to 120 kA), it is recommended to use cylindrical fuse-links PV in fuse switch-disconnectors OPV mounted on DIN rail before the miniature circuit breaker
- Possible sealing in OFF or ON position

Miniature circuit breakers 1-pole

I_n	Characteristic B		Characteristic C		Characteristic D		Weight	Packing
[A]	Type	Product code	Type	Product code	Type	Product code	[kg]	[pcs]
40	**LST 40B/1**	12004	**LST 40C/1**	12024	**LST 40D/1**	12044	0.21	3
50	**LST 50B/1**	12005	**LST 50C/1**	12025	**LST 50D/1**	12045	0.21	3
63	**LST 63B/1**	12006	**LST 63C/1**	12026	**LST 63D/1**	12046	0.21	3
80	**LST 80B/1**	12007	**LST 80C/1**	12027	**LST 80D/1**	12047	0.21	3
100	**LST 100B/1**	12008	**LST 100C/1**	12028	**LST 100D/1**	12048	0.21	3
125	**LST 125B/1**	12009	**LST 125C/1**	12029	**LST 125D/1**	12049	0.21	3

Miniature circuit breakers 3-pole

I_n	Characteristic B		Characteristic C		Characteristic D		Weight	Packing
[A]	Type	Product code	Type	Product code	Type	Product code	[kg]	[pcs]
40	**LST 40B/3**	12114	**LST 40C/3**	12124	**LST 40D/3**	12134	0.63	1
50	**LST 50B/3**	12115	**LST 50C/3**	12125	**LST 50D/3**	12135	0.63	1
63	**LST 63B/3**	12116	**LST 63C/3**	12126	**LST 63D/3**	12136	0.63	1
80	**LST 80B/3**	12117	**LST 80C/3**	12127	**LST 80D/3**	12137	0.63	1
100	**LST 100B/3**	12118	**LST 100C/3**	12128	**LST 100D/3**	12138	0.63	1
125	**LST 125B/3**	12119	**LST 125C/3**	12129	**LST 125D/3**	12139	0.63	1

Miniature circuit breakers 3+N-pole

I_n	Characteristic B		Characteristic C		Characteristic D		Weight	Packing
[A]	Type	Product code	Type	Product code	Type	Product code	[kg]	[pcs]
40	**LST 40B/3N**	12144	**LST 40C/3N**	12154	**LST 40D/3N**	12164	0.84	1
50	**LST 50B/3N**	12145	**LST 50C/3N**	12155	**LST 50D/3N**	12165	0.84	1
63	**LST 63B/3N**	12146	**LST 63C/3N**	12156	**LST 63D/3N**	12166	0.84	1
80	**LST 80B/3N**	12147	**LST 80C/3N**	12157	**LST 80D/3N**	12167	0.84	1
100	**LST 100B/3N**	12148	**LST 100C/3N**	12158	**LST 100D/3N**	12168	0.84	1
125	**LST 125B/3N**	12149	**LST 125C/3N**	12159	**LST 125D/3N**	12169	0.84	1

DC miniature circuit breakers 2-pole

I_n	Characteristic C		Weight	Packing
[A]	Type	Product code	[kg]	[pcs]
80	**LST-DC 80C/2**	12107	0.42	1
100	**LST-DC 100C/2**	12108	0.42	1
125	**LST-DC 125C/2**	12109	0.42	1

LST accessories

Auxiliary switches	**S-LSN11, S-LSN21**	page 19
Shunt trips	**V...-LSN**	page 21
Undervoltage releases	**N...-LSN**	page 23
Interconnecting busbars	**S-3L**	page 93
Connecting adapters	**AS-AL/Cu-16-50, CS-FH000..., N3x10-FH000**	page 95

MINIATURE CIRCUIT BREAKERS LST UP TO 125 A (10 kA)

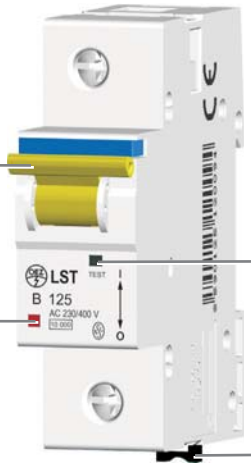
Description

- **Control lever colour** unambiguously indicates the rated current I_n of the device (the control lever colours are in accordance with the colours of fuses with screw base)

I_n [A]	Colour	
40	■	(black)
50	□	(white)
63	■	(copper)
80	□	(silver)
100	■	(red)
125	■	(yellow)

- **Position indicator** indicates optically the operating status of the device.

Indicator colour	Device status
■ (red)	ON
■ (green)	OFF



- **Test push-button** for check of the tripping mechanism function.
- **Lower latch** enables mounting on the rail DIN EN 50 022, width 35 mm. In the fixed withdrawn position it facilitates the side shift on the instrument board.

Specification

Type		LST	LST-DC
Standards		EN 60 898	EN 60 898
Approval marks			
Number of poles		1, 3, 3+N	2
Tripping characteristics		B, C, D	C
Rated current	I_n	40 ÷ 125 A	80, 100, 125 A
Rated operating voltage	U_e	230/400 V a.c. / 48 V d.c.	440 V d.c.
Max. operating voltage	U_{max}	253/440 V a.c. / 52 V d.c.	484 V d.c.
Min. operating voltage	U_{min}	12 V a.c. / d.c.	12 V d.c.
Rated frequency	f_n	40 ÷ 60 Hz	-
Rated short-circuit breaking capacity (EN 60 898)	I_{cn}	10 kA	-
Rated short-circuit service breaking capacity (EN 60 947-2)	I_{CS}=100% I_{CU}	-	10 kA (τ ≤ 5 ms)
Endurance		10 000 operating cycles	10 000 operating cycles
Rated impulse withstand voltage (1.2/50 µs)	U_{imp}	6 kV	6 kV
Overvoltage category (IEC 664-1)		IV	IV
Mounting on the rail DIN EN 50 022 - width		35 mm	35 mm
Degree of protection		IP20	IP20
Connection	Cu conductor - rigid (solid, stranded), flexible	1.5 ÷ 50 mm², 2x16 mm²	1.5 ÷ 50 mm², 2x16 mm²
	tightening torque	3.5 Nm	3.5 Nm
	opposite	yes	yes
Operating conditions	ambient temperature	-20 ÷ +55 °C	-20 ÷ +55 °C
	operating position	arbitrary	arbitrary
	seismic immunity (8÷50 Hz)	5 g	5 g

Internal impedance Z, power losses P, impedance Z_s

I_n [A]	Z [1] [mΩ/pól]	P [1] [VA/pól]	Max. impedance of fault loop Z_s [Ω] [2]		
			Characteristic B	Characteristic C	Characteristic D
40	2.31	3.69	1.16	0.64	0.36
50	1.73	4.32	0.93	0.51	0.28
63	1.42	5.63	0.73	0.40	0.23
80	0.91	5.79	0.57	0.32	0.18
100	0.80	8.03	0.46	0.26	0.14
125	0.61	9.46	0.36	0.20	0.11

[1] Mean values

[2] For TN network, U = 230 V, break time up to 0.4 s; if the measured value exceeds the table value, use residual current circuit breaker

MINIATURE CIRCUIT BREAKERS LST UP TO 125 A (10 kA)

Correction of rated currents of miniature circuit breakers LST

I_n [A]	Correction of rated currents for ambient temperature -20 °C to +60 °C [A] [1]								
	-20 °C	-10 °C	0 °C	10 °C	20 °C	30 °C	40 °C	50 °C	60 °C
40	50.0	48.0	48.0	46.0	44.0	**40**	37.2	35.2	33.6
50	62.5	60.0	60.0	57.5	55.0	**50**	46.5	44.0	42.0
63	78.8	75.6	75.6	72.5	69.3	**63**	58.6	55.4	52.9
80	104.0	100.0	96.0	92.0	88.0	**80**	74.4	70.4	67.2
100	130.0	125.0	120.0	115.0	110.0	**100**	93.0	88.0	84.0
125	162.5	156.3	150.0	143.8	137.5	**125**	116.3	110.0	105.0

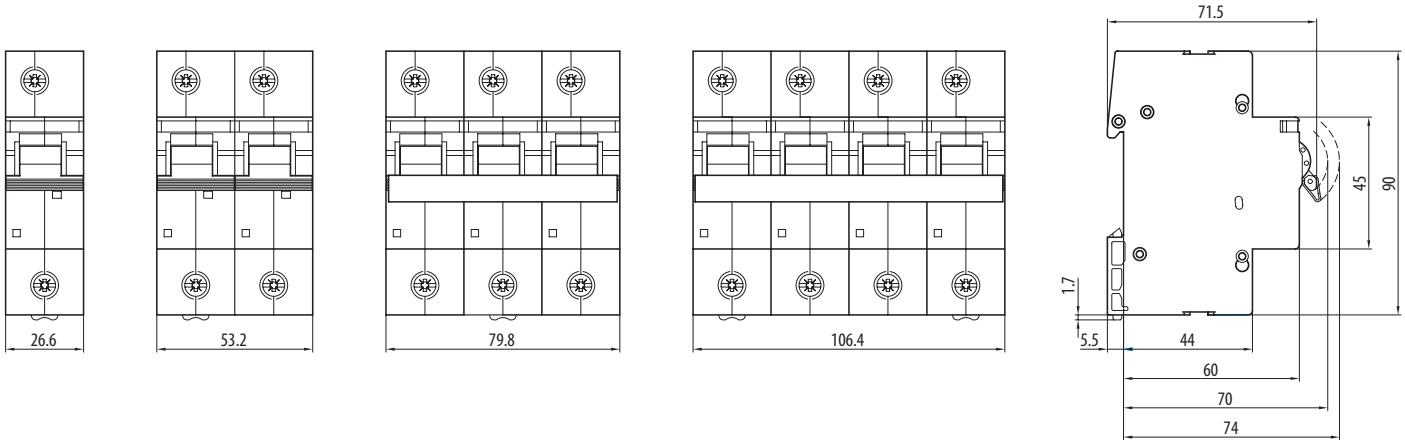
[1] Valid for 1 pole and any characteristic, reference temperature: 30 °C

Correction of rated currents of miniature circuit breakers installed side by side [A] [2]				
1	**2**	**3**	**4**	**5**
40	38.00	37.00	36.00	35.20
50	47.50	46.25	45.00	44.00
63	59.85	58.28	56.70	55.44
80	76.00	74.00	72.00	70.40
100	95.00	92.50	90.00	88.00
125	118.75	115.63	112.50	110.00

[2] Valid for reference temperature 30 °C

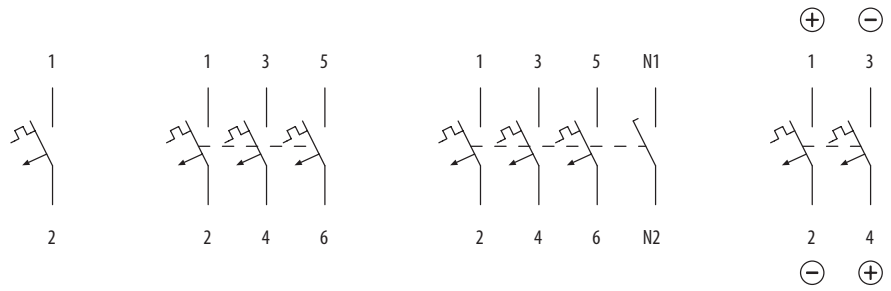
Dimensions

LST.../1 **LST-DC.../2** **LST.../3** **LST.../3N**



Diagram

LST.../1 **LST.../3** **LST.../3N** **LST-DC.../2**



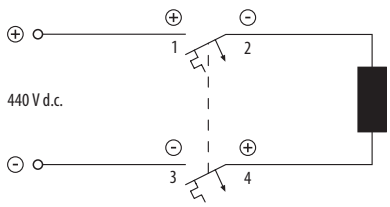
Protection of DC circuits

It is possible to use both LST and LST-DC miniature circuit breakers for protection of DC circuits depending on voltage.

For voltage U_n up to:

- 48 V d.c. use miniature circuit breakers LST.../1. Source poles (+) and (-) can be connected to the circuit breaker terminals arbitrarily.
- 440 V d.c. use miniature circuit breakers LST-DC.../2. As these miniature circuit breakers are equipped with permanent magnets, source poles (+) and (-) must be connected to identically marked terminals of the circuit breakers (see connection example).

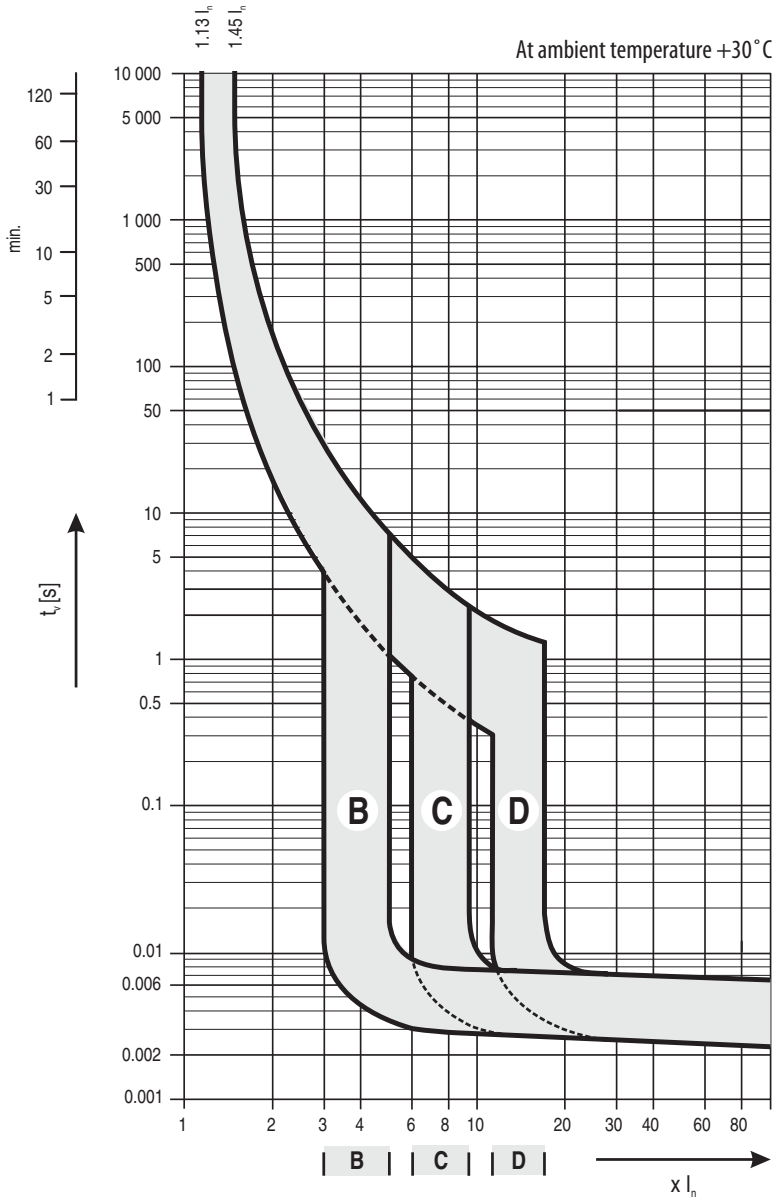
LST-DC.../2



MINIATURE CIRCUIT BREAKERS LST UP TO 125 A (10 kA)

Tripping characteristics

- **Characteristic B**: for protection of electric circuits with equipment that does not cause current surges (lighting or socket outlet circuits etc.); the short-circuit release is set to (3 ÷ 5) I_n
- **Characteristic C**: for protection of electric circuits with equipment that causes current surges (light bulb groups, motors etc.); the short-circuit release is set to (6 ÷ 9) I_n
- **Characteristic D**: for protection of electric circuits with equipment that causes high current surges (transformers, 2-pole motors etc.); the short-circuit release is set to (12 ÷ 16) I_n



Tripping characteristics miniature circuit breakers according to EN 60 898

Thermal release		Tripping characteristic type B, C, D
Conventional non-tripping current	I_{nt} for t ≥ 1 h (for I_n ≤ 63 A) I_{nt} for t ≥ 2 h (for I_n > 63 A)	$I_{nt} = 1.13\ I_n$
Conventional tripping current	I_t for t < 1 h (for I_n ≤ 63 A) I_t for t < 2 h (for I_n > 63 A)	$I_t = 1.45\ I_n$
Current I_3 for	1 s < t < 60 s (for I_n ≤ 32 A) 1 s < t < 120 s (for I_n > 32 A)	$I_3 = 2.55\ I_n$

t - break time of the circuit breaker

Electromagnetic release		Tripping characteristic type B	C	D
Current I_4 for	0.1 s < t < 45 s (for I_n ≤ 32 A) 0.1 s < t < 90 s (for I_n > 32 A)	$I_4 = 3\ I_n$		
	0.1 s < t < 15 s (for I_n ≤ 32 A) 0.1 s < t < 30 s (for I_n > 32 A)		$I_4 = 5\ I_n$	
	0.1 s < t < 4 s [1] (for I_n ≤ 32 A) 0.1 s < t < 8 s (for I_n > 32 A)			$I_4 = 10\ I_n$
Current I_5 for t < 0.1s		$I_5 = 5\ I_n$	$I_5 = 10\ I_n$	$I_5 = 20\ I_n$

[1] for I_n ≤ 10 A, it is permissible that t < 8 s

t - break time of the circuit breake

AUXILIARY AND RELATIVE SWITCHES

Auxiliary switches S-LSN11, S-LSN21

- Accessories to: LSN, LSE, LST, ASN, AST
- The auxiliary switches are designed for signalling the position of the main contacts of miniature circuit breakers and tumbler power switches in tripping by releases or manually – i.e. in tripping by overload, short-circuit, shunt trip, overvoltage release or control lever
- At correct connection of S-LSN11 or S-LSN21 with a miniature circuit breaker or tumbler power switch electric isolation is provided like between the input and output circuits of a protective transformer
- The auxiliary switch function can be tested by the test push-button on the front panel of the device

Auxiliary and relative switch S-LSN2001

- Accessories to: LSN, LSE, ASN
- The auxiliary and relative switch is designed for signalling the position of the main contacts of miniature circuit breakers and tumbler power switches in tripping:
  - by releases or manually – i.e. in tripping by overload, short-circuit, shunt trip, overvoltage release or control lever. This is signalled by auxiliary switches – terminals 33-34, 23-24
  - only by releases – i.e. only in tripping by overload, short-circuit, shunt trip or overvoltage release. This is signalled by so called relative switch – terminals 95-96
- The auxiliary switch function can be tested by the test push-button on the front panel of the device

Auxiliary and relative switches

Contact sequence [1]	Type	Product code	Weight [kg]	Packing [pcs]
11	**S-LSN11**	01494	0.05	1
21	**S-LSN21**	01495	0.05	1
2001	**S-LSN2001**	01498	0.05	1

[1] Each digit indicates successively the number of make, break, break-make and relative contacts

Specification

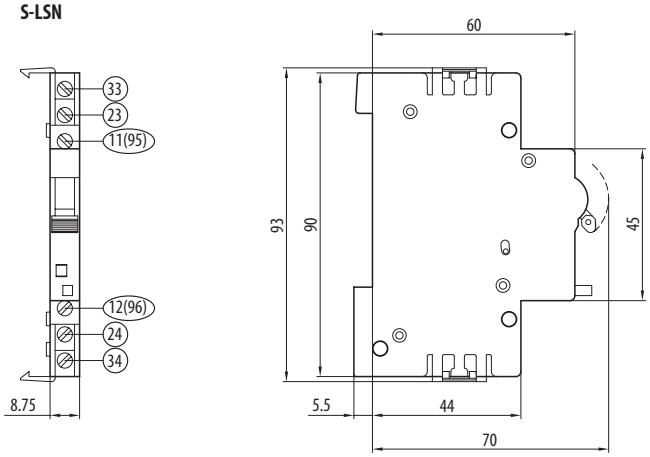
Type			S-LSN11, S-LSN21	S-LSN2001
Standards			EN 60 947-5-1	EN 60 947-5-1
Approval marks				
Contact sequence [1] [2]			11, 21	2001
Rated operating voltage / current	AC-1	U_e/I_e	230 V/6 A	230 V/6 A
	AC-15	U_e/I_e	230 V/4 A or 400 V/2 A	-
	DC-1	U_e/I_e	-	220 V/1 A
	DC-13	U_e/I_e	220 V/1 A	-
Rated impulse withstand voltage		U_{imp}	4 kV	2.5 kV
Endurance			10 000 operating cycles	10 000 operating cycles
Degree of protection			IP20	IP20
Mounting			on right side	on right side
Connection - conductor	rigid		0.75 ÷ 4 mm²	0.75 ÷ 4 mm²
	flexible		0.75 ÷ 2.5 mm²	0.75 ÷ 2.5 mm²
Seismic immunity (8÷50 Hz)			3 g	3 g

[1] Each digit indicates successively the number of make, break, break-make and relative contacts

[2] Another possibility to achieve a higher number or a different sequence of contacts: install V101-LSN… shunt trip on the left side of the device and use only the auxiliary switch function

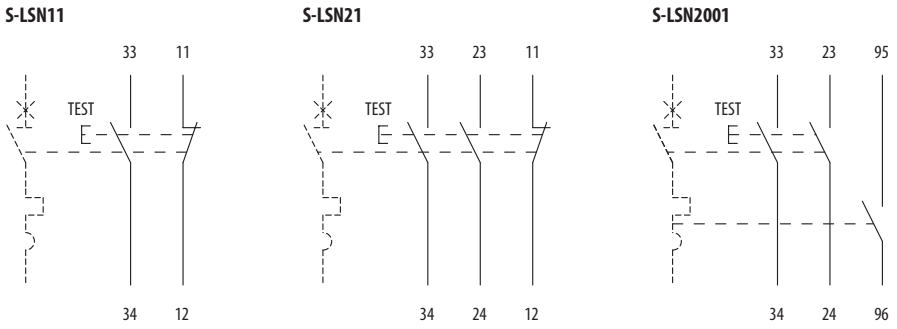
Dimensions

S-LSN



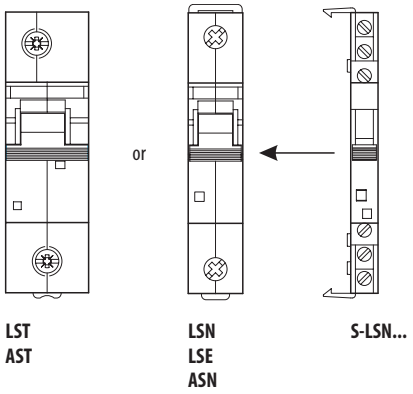
AUXILIARY AND RELATIVE SWITCHES

Diagram



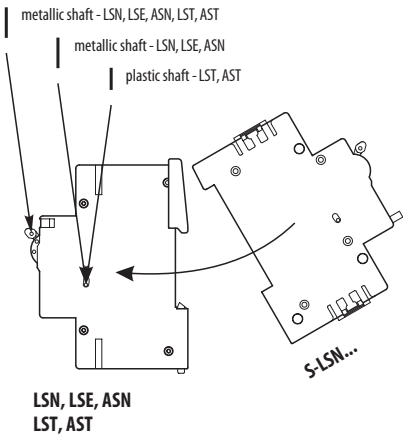
Assembly and installation of auxiliary switches

Assembly



Installation of an auxiliary switch on a miniature circuit breaker or tumbler power switch (hereinafter only the device):

1. Switch on both the auxiliary switch and the device.
2. Insert one shaft into the control lever of the device and the second shaft (for LST, AST the shaft is plastic) into the hole in the switching system of the device.
3. Slide the auxiliary switch from the right onto the device in such a way that one shaft interconnects control levers and the other interconnects the switching systems.
4. Press the auxiliary switch to the device and click the side fixing latches of the auxiliary switch into the device recess.
5. Check correct function by switching.



SHUNT TRIPS

- Accessories to: LSN, LST, LSE, ASN, AST
- For tripping the miniature circuit breakers or tumbler power switch by applied voltage between 70 % and 110 % U_e
- For signalling the position of the main contacts of the miniature circuit breaker or tumbler power switch by make or break-make contact
- The shunt trip coil is connected to terminals A1 and A2 to ensure its disconnection from the control voltage in the device trip. So the coil is powered for a required time. The disconnection is provided by the contact in the circuit between the terminals A1 and A2.
- Shunt trips V101-LSN contains additionally an auxiliary switch with break-make contact

Shunt trips

U_n	Contact sequence - 10 [1]		Contact sequence - 101 [1]		Weight	Packing
AC/DC [V]	Type	Product code	Type	Product code	[kg]	[pcs]
24 / 24	**V10-LSN-X024**	08487	**V101-LSN-X024**	08497	0.12	1
48 / 48	**V10-LSN-X048**	08488	**V101-LSN-X048**	08755	0.12	1
110 / 110	**V10-LSN-X110**	08489	**V101-LSN-X110**	08926	0.12	1
230 / 220	**V10-LSN-X230**	08490	**V101-LSN-X230**	08498	0.12	1
400 / 440	**V10-LSN-X400**	08491	**V101-LSN-X400**	08499	0.12	1

[1] Each digit indicates successively the number of make, break and break-make contacts

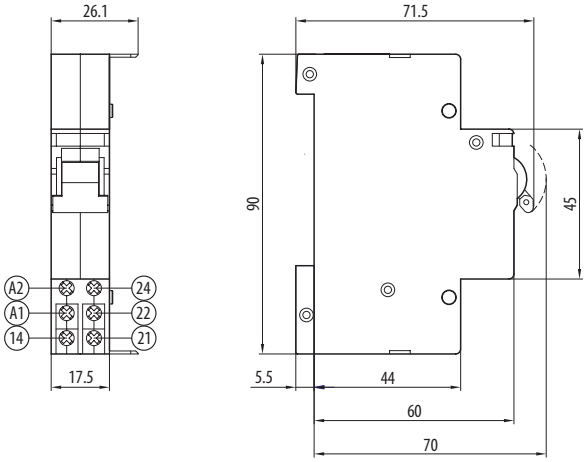
Specification

Type			**V...-LSN**
Standards			EN 60 947-1
Coil			
Rated operating voltage		U_e	24, 48, 110, 230, 400 V a.c. 24, 48, 110, 220, 440 V d.c.
Rated frequency		f_n	40 ÷ 60 Hz
Max. starting input power			90 VA
Break time			10 ms
Contact			
Sequence [1]			10, 101
Rated operating voltage / current	AC-1	U_e/I_e	230 V / 4 A or 400 V / 2 A
	DC-1	U_e/I_e	220 V / 0.5 A
	AC-15	U_e/I_e	230 V / 2 A
Endurance			10 000 operating cycles
Other data			
Mounting			on the left side
Connection - conductor rigid and flexible			0.75 ÷ 2.5 mm^2
Degree of protection			IP20
Seismic immunity (8÷50 Hz)			1.5 g

[1] Each digit indicates successively the number of make, break and break-make contacts

Dimensions

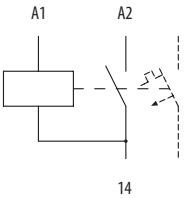
V...-LSN



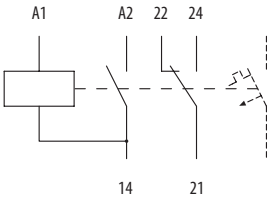
SHUNT TRIPS

Diagram

V10-LSN

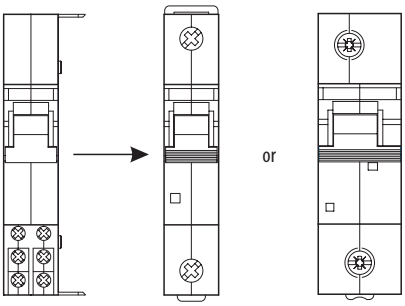


V101-LSN



Assembly and installation of shunt trips

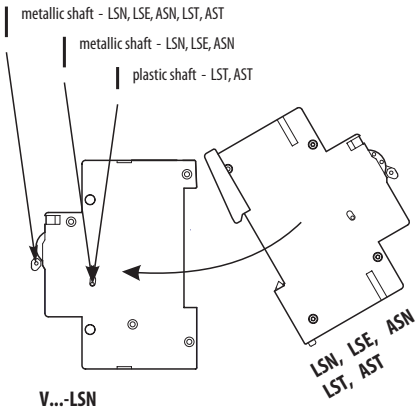
Assembly



V...-LSN **LSN LSE ASN** **LST AST**

Installation of a shunt trip on a miniature circuit breaker or tumbler power switch (hereinafter only the device):

1. Switch off both the shunt trip and the device.
2. Insert one shaft into the control lever of the shunt trip and the second shaft (for LST, AST the shaft is plastic) into the hole in the switching system of the shunt trip.
3. Slide the device from the right onto the shunt trip in such a way that one shaft interconnects control levers and the other interconnects the switching systems.
4. Press the device to the shunt trip and click the side fixing latches of the shunt trip into the device recess.
5. Check correct function by switching



UNDERVOLTAGE RELEASES

- Accessories to: LSN, LST, LSE, ASN, AST
- For tripping the miniature circuit breaker or tumbler power switch at voltage drop between 70 % and 35 % U_e
- For tripping the miniature circuit breaker or tumbler power switch on pressing the switch-off push-button
- For elimination of miniature circuit breakers or tumbler power switch closing at voltage lower than 35 % on the under-voltage release (the closing is possible at $U \geq 85$ % U_e)
- It is frequently used for protection against motor restart after the mains failure
- Undervoltage releases N101-LSN contain in addition an auxiliary switch with make and break-make contact for signalling the position of main contacts of the miniature circuit breaker or tumbler power switch

Undervoltage releases

U_n	Without contacts		Contact sequence - 101 [1]		Weight	Packing
AC [V]	Type	Product code	Type	Product code	[kg]	[pcs]
24	**N-LSN-A024**	08475	**N101-LSN-A024**	08485	0.12	1
48	**N-LSN-A048**	08476	**N101-LSN-A048**	09053	0.12	1
110	**N-LSN-A110**	08477	**N101-LSN-A110**	09055	0.12	1
230	**N-LSN-A230**	08478	**N101-LSN-A230**	08486	0.12	1
400	**N-LSN-A400**	08479	**N101-LSN-A400**	08927	0.12	1

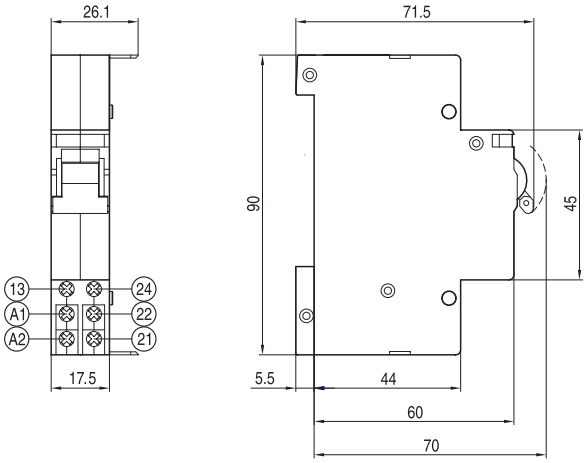
Specification

Type			**N...-LSN**
Standards			EN 60 947-1
Coil			
Rated operating voltage		U_e	24, 48, 110, 230, 400 V a.c.
Rated frequency		f_n	40 ÷ 60 Hz
Consumption			2.5 W
Max. starting input power			90 VA
Break time			25 ms
Contact			
Sequence [1]			0, 101
Rated operating voltage/current	AC-1	U_e/I_e	230 V / 4 A or 400 V / 2 A
	DC-1	U_e/I_e	220 V / 0.5 A
	AC-15	U_e/I_e	230 V / 2 A
Endurance			10 000 operating cycles
Other data			
Mounting			on the left side
Connection			0.75 ÷ 2.5 mm²
Degree of protection			IP20
Operating position			vertical
Seismic immunity (8÷50 Hz)			3 g

[1] Each digit indicates successively the number of make, break and break-make contacts

Dimensions

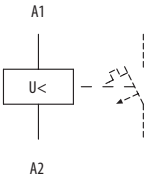
N...-LSN



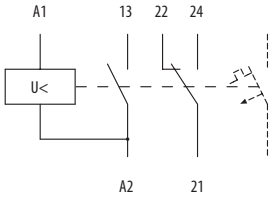
UNDERVOLTAGE RELEASES

Diagram

N-LSN

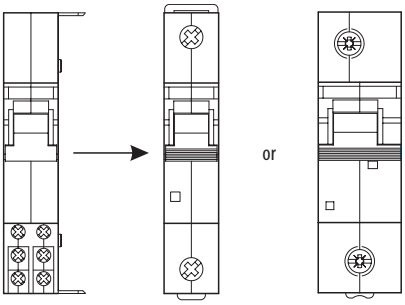


N101-LSN



Assembly and installation of undervoltage releases

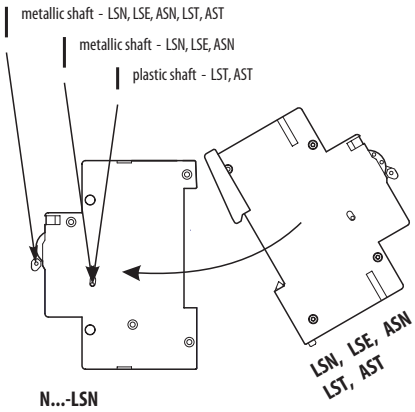
Assembly



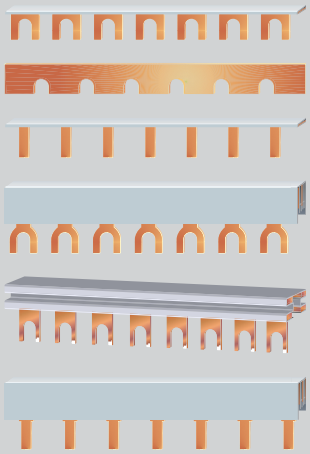
N...-LSN **LSN LSE ASN** **LST AST**

Installation of an undervoltage release on a miniature circuit breaker or tumbler power switch (hereinafter only the device):

1. Switch off both the undervoltage release and the device.
2. Insert one shaft into the control lever of the undervoltage release and the second shaft (for LST, AST the shaft is plastic) into the hole in the switching system of the undervoltage release.
3. Slide the device from the right onto the undervoltage release in such a way that one shaft interconnects control levers and the other interconnects the switching systems.
4. Press the device to the undervoltage release and click the side fixing latches of the undervoltage release into the device recess.
5. Check correct function by switching



INTERCONNECTING BUSBARS AND END CAPS



Interconnecting busbars

- For interconnection of 1 to 4-pole circuit breakers, tumbler power switches, residual current circuit breakers, lightning current arresters and surge voltage arresters
- For interconnection of a series of single-phase or three-phase circuit breakers and tumbler power switches, on which an auxiliary switch is mounted
- Busbars G-... with forks into the head part of the device
  Busbars S-... with pins into the clip part of the device

End cap EK-C-3:

- To cover end of busbar G-3L-1000/10C

End cap EK-C-2+3:

- To cover end of busbar G-2L-1000/16, G-3L-1000/16C, S-3L-27-1000/16

End cap EK-C-3/36:

- To cover end of busbar S-3L-27-1000/25

End cap EK-C-4/16:

- To cover end of busbar G-4L-1000/16

Interconnecting busbars

Phase	Cross - section [mm²]	Max. current at power supply of [A/phase] end	middle	Length [mm]	Type	Product code	Accessories to	Weight [kg]	Packing [pcs]
1	12	65	110	1000	**G-1L-1000/12**	00171	LSN, LSE, ASN	0. 22	50
					G-1L-1000/12g [1]	00170	LSN, LSE, ASN	0.1	50
	16	80	130	210	**S-1L-210/16iso**	13012	LSN, LSE, SVL, SJL, ASN	0.045	50
	20	90	150	1000	**G-1L-1000/20**	00172	LSN, LSE, SJB, SVM, ASN	0.36	50
	24	100	180	1000	**G-1L-27-1000/24** [2]	11001	LSN, LSE, ASN	0.3	50
2	16	80	130	1000	**G-2L-1000/16**	11179	LSN, LSE, LFI, LFE, OFI, OFE, ASN	0.46	20
3	10	63	100	1000	**G-3L-1000/10C**	00173	LSN, LSE, ASN	0.44	20
	16	80	130	1000	**G-3L-1000/16C**	00174	LSN, LSE, OFI, OFE, SJB, SVM, ASN	0.72	20
					G-3L+9-1000/16 [2]	11002	LSN, LSE, ASN	0.66	10
					S-3L-27-1000/16 [3]	11864	LSN, LST, LSE, ASN, AST	0.52	20
	25	100	180	1000	**S-3L-27-1000/25** [3]	11865	LSN, LST, LSE, ASN, AST	0.96	10
4	16	80	130	1000	**G-4L-1000/16**	11180	LSN, LSE, OFI, OFE, ASN	0.96	15

[1] The busbar is uninsulated
[2] For 1-pole or 3-pole devices with an auxiliary switch
[3] For 3-pole LST; for 1-pole LSN, LSE, ASN with an auxiliary switch

End caps

Type	Product code	Accessories to	Weight [kg]	Packing [pcs]
EK-C-3	00178	G-3L-100/10C	0.001	10
EK-C-2+3	00181	G-2L-1000/16, G-3L-1000/16C, S-3L-27-1000/16	0.001	10
EK-C-3/36	11176	S-3L-1000/25	0.002	10
EK-C-4/16	11181	G-4L-1000/16	0.002	10

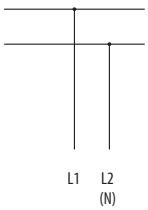
Specification

Type		**G-1L, G-2L, G-3L, G-4L, S-1L, S-3L**
Rated operating voltage	U_e	230/400 V a.c., 220/440 V d.c.
Load current		63 ÷ 180 A
Length		210, 1000 mm
Cross-section		10 ÷ 25 mm²

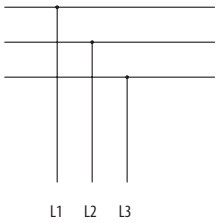
Diagram

G-1L, S-1L

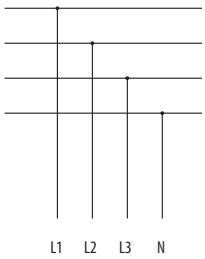
G-2L



G-3L, S-3L



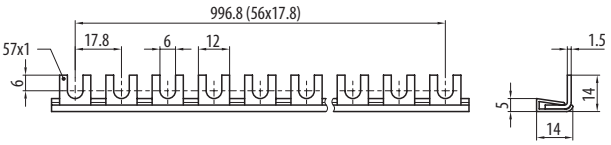
G-4L



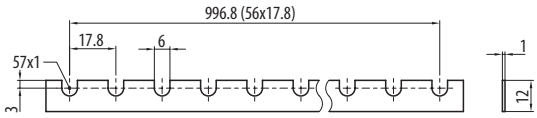
INTERCONNECTING BUSBARS AND END CAPS

Dimensions

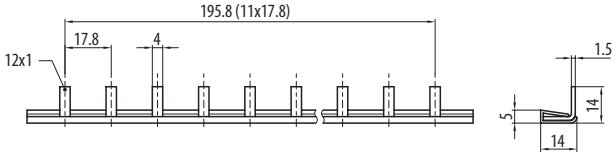
G-1L-1000/12



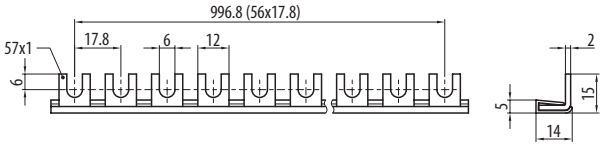
G-1L-1000/12g



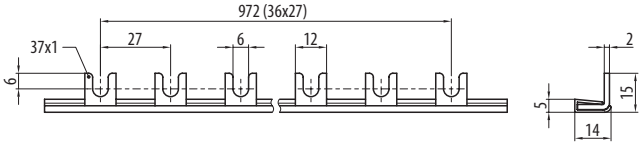
S-1L-210/16iso



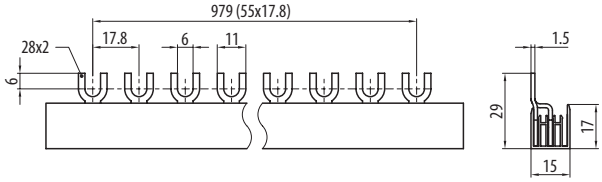
G-1L-1000/20



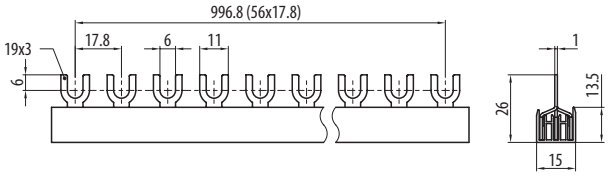
G-1L-27-1000/24



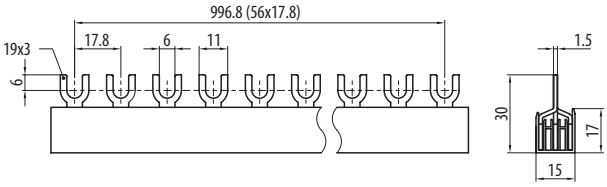
G-2L-1000/16



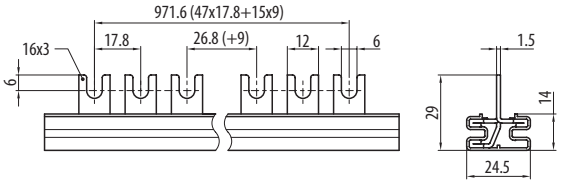
G-3L-1000/10C



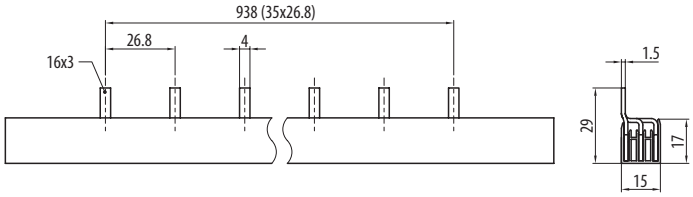
G-3L-1000/16C



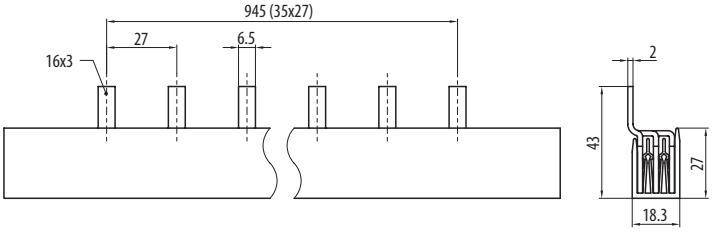
G-3L+9-1000/16C



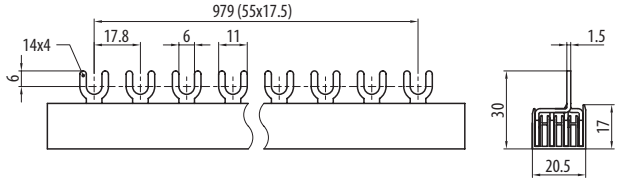
S-3L-27-1000/16



S-3L-27-1000/25



G-4L-1000/16



CONNECTING ADAPTERS AND BLOCKS

Connecting adapter AS/25-GN
- Accessories to: LSN, LSE, LFI, LFE, OFI, OFE, SJB, SVM, ASN
- For connection of another conductor to the head part of the terminal of a circuit breaker or tumbler power switch
- For example, it the best solution is to connect a conductor for power supply of an electric meter in the clip part of the circuit breaker terminal, and another conductor through the connecting adapter AS/25-GN in the head part of the circuit breaker terminal
- Conductor cross-section: 6 ÷ 25 mm²

Connecting adapter AS/25-SN
- Accessories to: OFI20, OFE20, SVL, SJL, RP1
- For connection of conductor to the clip part of the terminal of a circuit breaker or tumbler power switch
- Conductor cross-section: 6 ÷ 25 mm²

Connecting adapter AS-AL/Cu-16-50
- Accessories to: LSN, LST, LSE, LFI, LFE, SJB*plus*, ASN, AST
- For connection of Al or Cu conductors
- Cross-section of Cu conductors: 2.5 ÷ 50 mm²
- Cross-section of Al conductors: 16 ÷ 50 mm²

Connecting adapter CS-FH000-...NP95
- Accessories to: LST, SJB*plus*, SJB100/NPE/1,5, AST
- For connection of Cu/Al conductors of cross-section 35 ÷ 95 mm²
- Connecting adapter with straight terminal

Connecting adapter CS-FH000-3NV95
- Accessories to: LST, SJB*plus*, SJB100/NPE/1,5, AST
- For connection of Cu/Al conductors of cross-section 35 ÷ 95 mm²
- Connecting adapter with outbowed terminal

Connecting adapter N3x10-FH000
- Accessories to: LST, SJB, SVM, AST
- For connection of 3 conductors/pole of the device of cross-section 10 mm²

Connection block ES/35S/G
- Accessories to: G-1L, G-2L, G-3L, G4-L, S-1L, S-3L
- It enables power supply of interconnecting busbars of conductors of section up to 35 mm²
- The blocks can be installed in series to create a multiple-pole connection block
- Degree of protection IP20

Connecting adapters

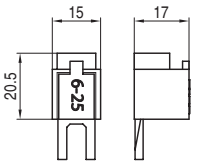
Type	Product code	Weight [kg]	Accessories to	Set [pcs]	Packing [pcs]
AS/25-GN	00177	0.012	LSN, LSE, LFI, LFE, OFI, OFE, SJB, SVM, ASN	1	10
AS/25-SN	00176	0.013	OFI20, OFE20, SVL, SJL, RP1	1	10
AS-AL/Cu-16-50	18351	0.016	LSN, LST, LSE, LFI, LFE, SJB*plus*, ASN, AST	1	15
CS-FH000-3NP95	13740	0.1	LST, SJB*plus*, SJB100/NPE/1,5, AST	3	1
CS-FH000-1NP95	14378	0.1	LST, SJB*plus*, SJB100/NPE/1,5, AST	1	1
CS-FH000-3NV95	13742	0.1	LST, SJB*plus*, SJB100/NPE/1,5, AST	3	1
N3x10-FH000	14127	0.02	LST, SJB, SVM, AST	3	1

Connection block

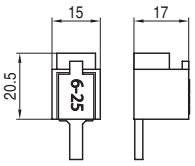
Type	Product code	Weight [kg]	Packing [pcs]
ES/35 S/G	00175	0.03	10

Dimensions

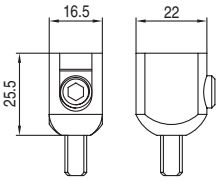
AS/25-GN



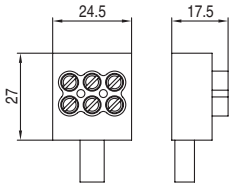
AS/25-SN



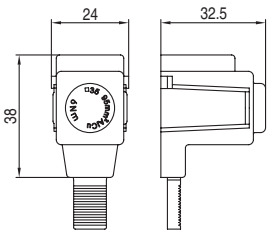
AS-Al/Cu-16-50



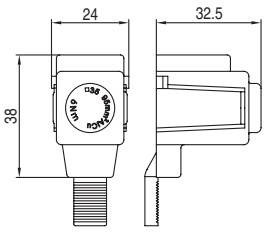
N3x10-FH000



CS-FH000-...NP95



CS-FH000-3NV95



ES/35 S/G