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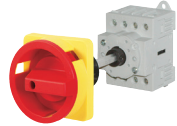
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| Ratings | | | | | | | | Panel mounting 4 hole mount. IP66 | Single hole mount. Ø22,5mm IP66 | | | | |
|---------|-------------------------------------|-----------|------------------------|---------------------|---------------------|----------------------|-----------------|---|---------------------------------------|------|--------------------------|------|-----|
| Type | Rated current | | | Motor | | | Plate Switch | EH4 | EHN4 | EHN1 | Z | ZHN1 | ZH1 |
| | Therm. I _{th open} A | AC21 A | at U _e V | AC3 3~400V kW | AC23 3~400V A | AC23 3~400V kW | | | | | | | |
| LTS20 | 20 | 20 | 690 | 5,5 | 16 | 7,5 | 48□ | LTS20 E ¹⁾ .. | | | LTS20 Z ¹⁾ .. | | |
| LTS25 | 25 | 25 | 690 | 7,5 | 20 | 10 | 48□ | LTS25 E ¹⁾ .. | | | LTS25 Z ¹⁾ .. | | |
| LTS32 | 32 | 32 | 690 | 11 | 25 | 12,5 | 48□ | LTS32 E ¹⁾ .. | | | LTS32 Z ¹⁾ .. | | |
| LTS40 | 40 | 40 | 690 | 15 | 32 | 16 | 48□ | LTS40 E ¹⁾ .. | | | LTS40 Z ¹⁾ .. | | |
| LTS63 | 63 | 63 | 690 | 18,5 | 45 | 22 | 48□ | LTS63 E ¹⁾ .. | | | - | | |
| LTS80 | 80 | 80 | 690 | 18,5 | 45 | 22 | 48□ | LTS80 E ¹⁾ .. | | | - | | |
| LTS85 | 85 | 85 | 690 | 22 | 60 | 30 | 64□ | LTS85 E ¹⁾ .. | | | - | | |
| LTS100 | 100 | 100 | 690 | 30 | 72 | 37 | 64□ | LTS100 E ¹⁾ .. | | | - | | |
| LTS125 | 125 | 125 | 690 | 37 | 85 | 45 | 64□ | LTS125 E ¹⁾ .. | | | - | | |
| LT160 | 160 | 160 | 690 | 45 | 110 | 55 | 88□ | LT160 E ¹⁾ .. | | | - | | |

Switch disconnecter LT.. 20 - 160A

Switch disconnectors are to be used as an ON-OFF-switch where a high breaking capacity with high contact pressure and in fact better short circuit behavior is necessary. These applications are:

Main switches according to IEC/EN 60204 respectively VDE0113 with interlocking device, terminal protection and restrictive contacts.

Switch disconnectors according to IEC/EN 60947-3 and VDE 0660 part 107 with break distance for 690V.

Motor switches 3-pole or 4-pole; according to IEC/EN 60947-3 respectively VDE 0660 part 107, motor switches series LT are dimensioned for switching high rated current AC3 and AC23A.

Switch program

| | | |
|----------------------------|--------|------------------|
| On-Off Switch 3-pole | | A3 |
| On-Off Switch 4-pole | | A4 |
| On-Off Switch 6-pole | | A6 |
| On-Off Switch 8-pole | | A8 |
| Changeover Switches 3-pole | | U3 |
| Changeover Switches 4-pole | | U4 |
| On-Off Switch 3-pole | | T300 (for LT160) |
| On-Off Switch 4-pole | | T400 (for LT160) |

Main switches and Main switches with Emergency-Stop function

According to standards IEC/EN60204 or VDE0113, all electrical equipment of industrial machines must be equipped with a main switch. This must permit disconnection of all the electrical equipment during cleaning, maintenance and repair work, and other extended periods when it is stationary. In case of two or more main switches, an interlock system must be used. It is recommended to use a multiple-pole main switch (cam switch).

Main switches have to correspond to:

- Switch disconnecter according to IEC/EN 60947-3 and VDE 0660 part 107 for utilization category AC23-B or DC-23B.
- Disconnectors are selected according to thermal rated current. They must possess a contact that ensures load switching via the contactors (see switching program A3-10). This contact must have a sufficient AC15 switching capacity.
- The interruption capacity of the switch must equal or exceed the locked rotor current of the largest motor plus the total current of all other electrical equipment in the circuit.

Requirements:

Interruption of the electrical equipment, with only on and off positions clearly marked with O and I.

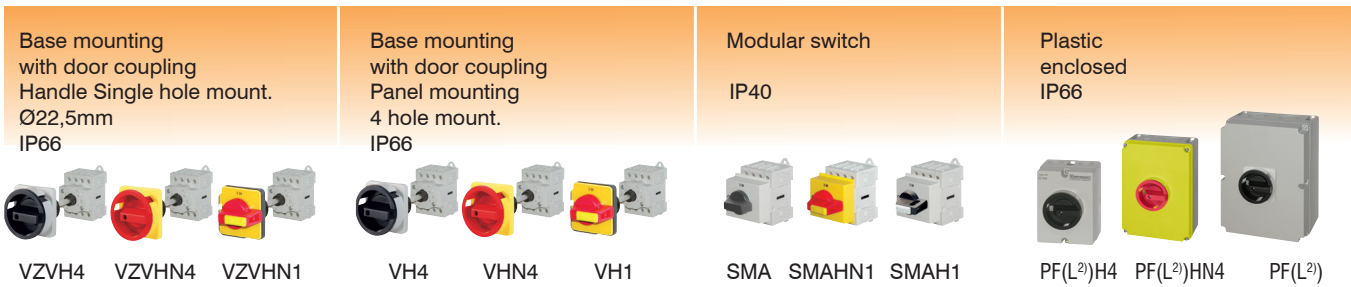
It must be lockable in the off setting.

The line terminals of the main switch must be protected according to utilization category IP2X.

Colour of handle black or grey.

Main switches with Emergency-Off function are additional supplied with red handles and contrasting yellow escutcheon plates.

1) Main Switches (H1/H4 Main Switches-Emergency-Stop (HN1/HN4))
Switch Disconnectors (without H(N)1/4)



| | | | |
|------------------------------|----------------------------|------------------------------|---|
| LTS20 VZV ⁽¹⁾ .. | LTS20 V ⁽¹⁾ .. | LTS20 SMA ⁽¹⁾ .. | LTS20 PF(L ²) ⁽¹⁾ .. |
| LTS25 VZV ⁽¹⁾ .. | LTS25 V ⁽¹⁾ .. | LTS25 SMA ⁽¹⁾ .. | LTS25 PF(L ²) ⁽¹⁾ .. |
| LTS32 VZV ⁽¹⁾ .. | LTS32 V ⁽¹⁾ .. | LTS32 SMA ⁽¹⁾ .. | LTS32 PF(L ²) ⁽¹⁾ .. |
| LTS40 VZV ⁽¹⁾ .. | LTS40 V ⁽¹⁾ .. | LTS40 SMA ⁽¹⁾ .. | LTS40 PF(L ²) ⁽¹⁾ .. |
| LTS63 VZV ⁽¹⁾ .. | LTS63 V ⁽¹⁾ .. | LTS63 SMA ⁽¹⁾ .. | LTS63 PFL ⁽¹⁾ .. |
| LTS80 VZV ⁽¹⁾ .. | LTS80 V ⁽¹⁾ .. | LTS80 SMA ⁽¹⁾ .. | LTS80 PFL ⁽¹⁾ .. |
| LTS85 VZV ⁽¹⁾ .. | LTS85 V ⁽¹⁾ .. | LTS85 SMA ⁽¹⁾ .. | LTS85 PFL ⁽¹⁾ .. |
| LTS100 VZV ⁽¹⁾ .. | LTS100 V ⁽¹⁾ .. | LTS100 SMA ⁽¹⁾ .. | LTS100 PFL ⁽¹⁾ .. |
| LTS125 VZV ⁽¹⁾ .. | LTS125 V ⁽¹⁾ .. | LTS125 SMA ⁽¹⁾ .. | LTS125 PFL ⁽¹⁾ .. |
| - | LT160 V ⁽¹⁾ .. | - | LT160 PF ⁽¹⁾ .. ³⁾ |

Approvals

| | | | | |
|------|------------------|--------|--------------|---------------------|
| Area | USA, Canada / UL | Europe | Russia / EAC | CB/CCA-Certificates |
| Type | | | | |

Switch disconnecter (UL-Listed as MANUAL MOTOR CONTROLLER and suitable as MOTOR DISCONNECT)

| | | | | |
|--------|---|---|---|---|
| LTS20 | o | / | o | o |
| LTS25 | o | / | o | o |
| LTS32 | o | / | o | o |
| LTS40 | o | / | o | o |
| LTS63 | o | / | o | o |
| LTS80 | o | / | o | o |
| LTS85 | o | / | - | - |
| LTS100 | o | / | - | - |
| LTS125 | o | / | - | - |
| LT160 | o | / | - | o |

o in standard version approved
/ No testing required CE
x in test
- Not provided for test till now








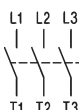
Terminal screws

| Devices | Kind of connection | | Tightening torque | | Protection class of terminals ⁴⁾ |
|-----------------------------|----------------------|-------------|-------------------|----------|---|
| | screw with clamp box | Screwdriver | Nm | lb. inch | |
| Switch Disconnectors | | | | | |
| LTS20, LTS25 | M3,5 | Pz2 | 1,7 - 2,3 | 15 - 20 | IP20 |
| LTS32, LTS40 | M5 | Pz2 | 2,8 - 4 | 25 - 35 | IP20 |
| LTS63, LTS80 | M6 | Pz3 | 1,7 - 4,5 | 15 - 40 | IP20 |
| LTS85, LTS100, LTS125 | | | | | |
| LT160 | M10 | | 14 | 124 | IP20 |

1) Main Switches (H1/H4 Main Switches-Emergency-Stop (HN1/HN4)) and Switch Disconnectors (without H(N)1/4)
 2) PFL... larger enclosure
 3) IP. Type..
 4) Protection degree of the terminals with connected insulated conductor. Additional protection with terminal cover (KLAD).

Contactors, Motor-Starter
 Circuit Breakers
 Manual Motor-Starters
 Switches
 AC-Main Switches
 DC-Switch Disconnecter
 Push Buttons
 Representatives, Suppliers

Main Switches for Panel Mounting, lockable IP66, Type 3R

| | | max. padlocks | AC21 690V | AC23 3x400V | Plate | Type | Pack pcs. | Weighth kg/pcs. |
|---------------------------------------|---|---|-----------------|----------------|--------------------|---------------|--------------|--------------------|
| 3-pole, padlock device SV1 |  |  | | | | | | |
| | | | 20A | 7,5kW | 48 □ ¹⁾ | LTS20 EH1 A3 | 1 | 0,15 |
| | | | 25A | 10kW | 48 □ ¹⁾ | LTS25 EH1 A3 | 1 | 0,15 |
| | | | 32A | 12,5kW | 48 □ ¹⁾ | LTS32 EH1 A3 | 1 | 0,15 |
| | | | 40A | 16kW | 48 □ ¹⁾ | LTS40 EH1 A3 | 1 | 0,15 |
| | | | 63A | 22kW | 48 □ ¹⁾ | LTS63 EH1 A3 | 1 | 0,17 |
| | | | 80A | 22kW | 48 □ ¹⁾ | LTS80 EH1 A3 | 1 | 0,17 |
| 4-pole, padlock device SV1 |  |  | | | | | | |
| | | | 20A | 7,5kW | 48 □ ¹⁾ | LTS20 EH1 A4 | 1 | 0,19 |
| | | | 25A | 10kW | 48 □ ¹⁾ | LTS25 EH1 A4 | 1 | 0,19 |
| | | | 32A | 12,5kW | 48 □ ¹⁾ | LTS32 EH1 A4 | 1 | 0,19 |
| | | | 40A | 16kW | 48 □ ¹⁾ | LTS40 EH1 A4 | 1 | 0,19 |
| | | | 63A | 22kW | 48 □ ¹⁾ | LTS63 EH1 A4 | 1 | 0,21 |
| | | | 80A | 22kW | 48 □ ¹⁾ | LTS80 EH1 A4 | 1 | 0,21 |
| 3-pole, padlock device SV4(34) |  |  | | | | | | |
| | | | 20A | 7,5kW | 64 □ ²⁾ | LTS20 EH4 A3 | 1 | 0,17 |
| | | | 25A | 10kW | 64 □ ²⁾ | LTS25 EH4 A3 | 1 | 0,17 |
| | | | 32A | 12,5kW | 64 □ ²⁾ | LTS32 EH4 A3 | 1 | 0,17 |
| | | | 40A | 16kW | 64 □ ²⁾ | LTS40 EH4 A3 | 1 | 0,17 |
| | | | 63A | 22kW | 64 □ ²⁾ | LTS63 EH4 A3 | 1 | 0,19 |
| | | | 80A | 22kW | 64 □ ²⁾ | LTS80 EH4 A3 | 1 | 0,19 |
| | | | 80A | 30kW | 64 □ ²⁾ | LTS85 EH4 A3 | 1 | 0,39 |
| | | | 100A | 37kW | 64 □ ²⁾ | LTS100 EH4 A3 | 1 | 0,39 |
| | | | 125A | 45kW | 64 □ ²⁾ | LTS125 EH4 A3 | 1 | 0,39 |
| 160A | 55kW | 88 □ | LT160 EH34 T300 | 1 | 1,16 | | | |
| 4-pole, padlock device SV4(34) |  |  | | | | | | |
| | | | 20A | 7,5kW | 64 □ ²⁾ | LTS20 EH4 A4 | 1 | 0,20 |
| | | | 25A | 10kW | 64 □ ²⁾ | LTS25 EH4 A4 | 1 | 0,20 |
| | | | 32A | 12,5kW | 64 □ ²⁾ | LTS32 EH4 A4 | 1 | 0,20 |
| | | | 40A | 16kW | 64 □ ²⁾ | LTS40 EH4 A4 | 1 | 0,20 |
| | | | 63A | 22kW | 64 □ ²⁾ | LTS63 EH4 A4 | 1 | 0,23 |
| | | | 80A | 22kW | 64 □ ²⁾ | LTS80 EH4 A4 | 1 | 0,23 |
| | | | 80A | 30kW | 64 □ ²⁾ | LTS85 EH4 A4 | 1 | 0,44 |
| | | | 100A | 37kW | 64 □ ²⁾ | LTS100 EH4 A4 | 1 | 0,44 |
| | | | 125A | 45kW | 64 □ ²⁾ | LTS125 EH4 A4 | 1 | 0,44 |
| 160A | 55kW | 88 □ | LT160 EH34 T400 | 1 | 1,55 | | | |

Add-on modules see page 297



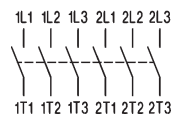


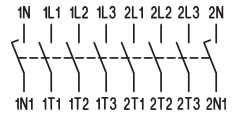
Extended Switch Shaft for switches for panel mounting type suffix **+VW"x"**

x = panel thickness



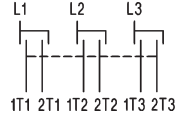


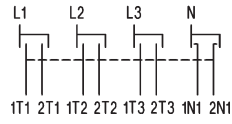
1) Types with padlock device 64 □ type suffix **64**, ordering example: LTS32 EH1**64** A3, on request

2) Types with padlock device 88 □ type suffix **88**, ordering example: LTS32 EH4**88** A3, on request



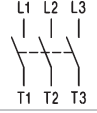


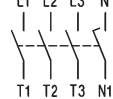
Main Switches for Panel Mounting, lockable IP66, Type 3R

| | max. padlocks | AC21 690V | AC23 3x400V | Plate | Type | Pack pcs. | Weight kg/pcs. |
|---|---|--------------|----------------|-------|--------------|-----------|-------------------|
| 6-pole, padlock device SV4  | | | | | | | |
|  |  | 20A | 7,5kW | 64 □ | LTS20 EH4 A6 | 1 | 0,30 |
| | | 25A | 10kW | 64 □ | LTS25 EH4 A6 | 1 | 0,30 |
| | | 32A | 12,5kW | 64 □ | LTS32 EH4 A6 | 1 | 0,30 |
| | | 40A | 16kW | 64 □ | LTS40 EH4 A6 | 1 | 0,30 |
| | | 63A | 22kW | 64 □ | LTS63 EH4 A6 | 1 | 0,34 |
| | | 80A | 22kW | 64 □ | LTS80 EH4 A6 | 1 | 0,34 |
| 8-pole, padlock device SV4  | | | | | | | |
|  |  | 20A | 7,5kW | 64 □ | LTS20 EH4 A8 | 1 | 0,38 |
| | | 25A | 10kW | 64 □ | LTS25 EH4 A8 | 1 | 0,38 |
| | | 32A | 12,5kW | 64 □ | LTS32 EH4 A8 | 1 | 0,38 |
| | | 40A | 16kW | 64 □ | LTS40 EH4 A8 | 1 | 0,38 |
| | | 63A | 22kW | 64 □ | LTS63 EH4 A8 | 1 | 0,42 |
| | | 80A | 22kW | 64 □ | LTS80 EH4 A8 | 1 | 0,42 |

Changeover Switches with padlockdevice for Panel Mounting, lockable IP66




| | | | | | | | |
|---|---|-----|---------------|------|--------------|---|------|
| 3-pole, padlock device SV4  | | | | | | | |
|  |  | 20A | 7,5kW | 64 □ | LTS20 EH4 U3 | 1 | 0,30 |
| | | 25A | 10kW | 64 □ | LTS25 EH4 U3 | 1 | 0,30 |
| | | 32A | 12,5kW | 64 □ | LTS32 EH4 U3 | 1 | 0,30 |
| | | 40A | 16kW | 64 □ | LTS40 EH4 U3 | 1 | 0,30 |
| | | 63A | 22kW | 64 □ | LTS63 EH4 U3 | 1 | 0,34 |
| 4-pole, padlock device SV4  | | | | | | | |
|  |  | 20A | 7,5kW | 64 □ | LTS20 EH4 U4 | 1 | 0,38 |
| | | 25A | 10kW | 64 □ | LTS25 EH4 U4 | 1 | 0,38 |
| | | 32A | 12,5kW | 64 □ | LTS32 EH4 U4 | 1 | 0,38 |
| | | 40A | 16kW | 64 □ | LTS40 EH4 U4 | 1 | 0,38 |
| | | 63A | 22kW | 64 □ | LTS63 EH4 U4 | 1 | 0,42 |

Main Switches for Single Hole Mounting IP66, Type 4X

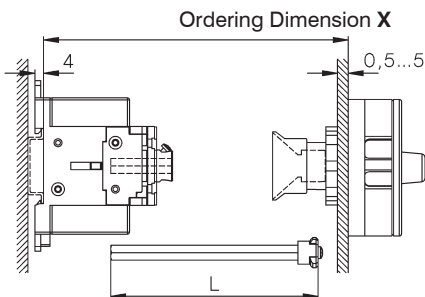
| | max. padlocks | AC21 690V | AC23 3x400V | Plate | Type | Pack pcs. | Weight kg/pcs. |
|---|---|--------------|----------------|-------|--------------|-----------|-------------------|
| 3-pole, padlock device SV1  | | | | | | | |
|  |  | 20A | 7,5kW | 48 □ | LTS20 ZH1 A3 | 1 | 0,16 |
| | | 25A | 10kW | 48 □ | LTS25 ZH1 A3 | 1 | 0,16 |
| | | 32A | 12,5kW | 48 □ | LTS32 ZH1 A3 | 1 | 0,16 |
| | | 40A | 16kW | 48 □ | LTS40 ZH1 A3 | 1 | 0,16 |
| 4-pole, padlock device SV1  | | | | | | | |
|  |  | 20A | 7,5kW | 48 □ | LTS20 ZH1 A4 | 1 | 0,20 |
| | | 25A | 10kW | 48 □ | LTS25 ZH1 A4 | 1 | 0,20 |
| | | 32A | 12,5kW | 48 □ | LTS32 ZH1 A4 | 1 | 0,20 |
| | | 40A | 16kW | 48 □ | LTS40 ZH1 A4 | 1 | 0,20 |

Add-on modules see page 297

Main Switches, Base Mounting with Door Clutch for Single-Hole Mounting
 Depth X is adjustable (delivered with X_{max} see below), IP66,  Type 4X

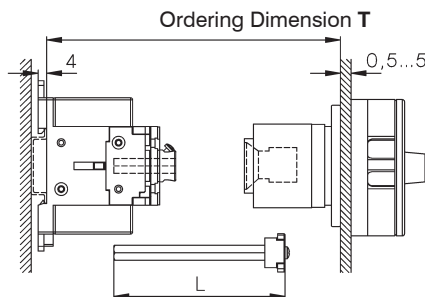
| | max. padlocks | AC21 690V | AC23 3x400V | Plate | Type | Pack pcs. | Weight kg/pcs. |
|---|---------------|-----------|---------------|-------|-----------------|-----------|----------------|
| 3-pole, padlock device SV4  | | | | | | | |
| | | | | | | | |
| | | 20A | 7,5kW | 64 □ | LTS20 VZVH4 A3 | 1 | 0,19 |
| | | 25A | 10kW | 64 □ | LTS25 VZVH4 A3 | 1 | 0,19 |
| | | 32A | 12,5kW | 64 □ | LTS32 VZVH4 A3 | 1 | 0,19 |
| | | 40A | 16kW | 64 □ | LTS40 VZVH4 A3 | 1 | 0,19 |
| | | 63A | 22kW | 64 □ | LTS63 VZVH4 A3 | 1 | 0,22 |
| | | 80A | 22kW | 64 □ | LTS80 VZVH4 A3 | 1 | 0,22 |
| | | 85A | 30kW | 64 □ | LTS85 VZVH4 A3 | 1 | 0,40 |
| | | 100A | 37kW | 64 □ | LTS100 VZVH4 A3 | 1 | 0,40 |
| | | 125A | 45kW | 64 □ | LTS125 VZVH4 A3 | 1 | 0,40 |
| 4-pole, padlock device SV4  | | | | | | | |
| | | 20A | 7,5kW | 64 □ | LTS20 VZVH4 A4 | 1 | 0,20 |
| | | 25A | 10kW | 64 □ | LTS25 VZVH4 A4 | 1 | 0,20 |
| | | 32A | 12,5kW | 64 □ | LTS32 VZVH4 A4 | 1 | 0,20 |
| | | 40A | 16kW | 64 □ | LTS40 VZVH4 A4 | 1 | 0,20 |
| | | 63A | 22kW | 64 □ | LTS63 VZVH4 A4 | 1 | 0,26 |
| | | 80A | 22kW | 64 □ | LTS80 VZVH4 A4 | 1 | 0,26 |
| | | 85A | 30kW | 64 □ | LTS85 VZVH4 A4 | 1 | 0,45 |
| | | 100A | 37kW | 64 □ | LTS100 VZVH4 A4 | 1 | 0,45 |
| | | 125A | 45kW | 64 □ | LTS125 VZVH4 A4 | 1 | 0,45 |
| 6-pole, padlock device SV4  | | | | | | | |
| | | 20A | 7,5kW | 64 □ | LTS20 VZVH4 A6 | 1 | 0,32 |
| | | 25A | 10kW | 64 □ | LTS25 VZVH4 A6 | 1 | 0,32 |
| | | 32A | 12,5kW | 64 □ | LTS32 VZVH4 A6 | 1 | 0,32 |
| | | 40A | 16kW | 64 □ | LTS40 VZVH4 A6 | 1 | 0,32 |
| | | 63A | 22kW | 64 □ | LTS63 VZVH4 A6 | 1 | 0,37 |
| | | 80A | 22kW | 64 □ | LTS80 VZVH4 A6 | 1 | 0,37 |
| 8-pole, padlock device SV4  | | | | | | | |
| | | 20A | 7,5kW | 64 □ | LTS20 VZVH4 A8 | 1 | 0,34 |
| | | 25A | 10kW | 64 □ | LTS25 VZVH4 A8 | 1 | 0,34 |
| | | 32A | 12,5kW | 64 □ | LTS32 VZVH4 A8 | 1 | 0,34 |
| | | 40A | 16kW | 64 □ | LTS40 VZVH4 A8 | 1 | 0,34 |
| | | 63A | 22kW | 64 □ | LTS63 VZVH4 A8 | 1 | 0,45 |
| | | 80A | 22kW | 64 □ | LTS80 VZVH4 A8 | 1 | 0,45 |

Depth
 Single Hole Mounting Ø22mm
 LTS.. VZV..



| Type | | X min | X max | L |
|-----------------|-----------|-------|-------|-----------------|
| LTS20-80 VZV.. | 3, 4-pole | 91 | 190 | X - 40±3 |
| LTS20-80 VZV.. | 6, 8-pole | 111 | 190 | X - 60±3 |
| LTS85-125 VZV.. | 3, 4-pole | 95 | 190 | X - 44±3 |



4-Hole Mounting
 LTS.. V(H).. (3, 4-pole)


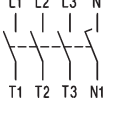


| Type | | T min | T max | L | Type | T min | T max |
|----------------|--|-------|-------|-----------------|------------|-------|-------|
| LTS20-80 VH.. | | 111 | 190 | T - 60±3 | LT160 VH.. | 120 | 450 |
| LTS85-125 VH.. | | 115 | 190 | T - 64±3 | | | |


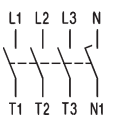
greater X- and T-Dimensions (max. 380mm for LTS..) on request

Main Switches, Base Mounting with Door Clutch, Padlock Device for 4-Hole Mounting
 Depth T is adjustable (delivered with T_{max} see page 271), IP66, cUL_{us} Type 4X

| | max. padlocks | AC21 690V | AC23 3x400V | Plate | Type | Pack pcs. | Weight kg/pcs. | |
|---|---------------|-----------|-------------|---------------|--------------------|---------------|----------------|------|
| 3-pole, padlock device SV4(34)   | | | | | | | | |
| | | | 20A | 7,5kW | 64 □ ¹⁾ | LTS20 VH4 A3 | 1 | 0,20 |
| | | | 25A | 10kW | 64 □ ¹⁾ | LTS25 VH4 A3 | 1 | 0,20 |
| | | | 32A | 12,5kW | 64 □ ¹⁾ | LTS32 VH4 A3 | 1 | 0,20 |
| | | | 40A | 16kW | 64 □ ¹⁾ | LTS40 VH4 A3 | 1 | 0,20 |
| | | | 63A | 22kW | 64 □ ¹⁾ | LTS63 VH4 A3 | 1 | 0,24 |
| | | | 80A | 22kW | 64 □ ¹⁾ | LTS80 VH4 A3 | 1 | 0,24 |
| | | | 85A | 30kW | 64 □ ¹⁾ | LTS85 VH4 A3 | 1 | 0,40 |
| | | | 100A | 37kW | 64 □ ¹⁾ | LTS100 VH4 A3 | 1 | 0,40 |
| | | | 125A | 45kW | 64 □ ¹⁾ | LTS125 VH4 A3 | 1 | 0,40 |
| | | 160A | 55kW | 88 □ | LT160 VH34 T300 | 1 | 1,38 | |

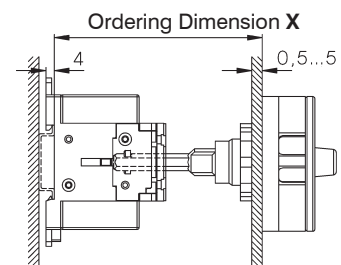
| | | | | | | | | |
|---|--|--|------|---------------|--------------------|-----------------|---|------|
| 4-pole, padlock device SV4(34)   | | | 20A | 7,5kW | 64 □ ¹⁾ | LTS20 VH4 A4 | 1 | 0,21 |
| | | | 25A | 10kW | 64 □ ¹⁾ | LTS25 VH4 A4 | 1 | 0,21 |
| | | | 32A | 12,5kW | 64 □ ¹⁾ | LTS32 VH4 A4 | 1 | 0,21 |
| | | | 40A | 16kW | 64 □ ¹⁾ | LTS40 VH4 A4 | 1 | 0,21 |
| | | | 63A | 22kW | 64 □ ¹⁾ | LTS63 VH4 A4 | 1 | 0,28 |
| | | | 80A | 22kW | 64 □ ¹⁾ | LTS80 VH4 A4 | 1 | 0,28 |
| | | | 85A | 30kW | 64 □ ¹⁾ | LTS85 VH4 A4 | 1 | 0,45 |
| | | | 100A | 37kW | 64 □ ¹⁾ | LTS100 VH4 A4 | 1 | 0,45 |
| | | | 125A | 45kW | 64 □ ¹⁾ | LTS125 VH4 A4 | 1 | 0,45 |
| | | | 160A | 55kW | 88 □ | LT160 VH34 T400 | 1 | 1,77 |

Emergency-Stop-Main Switches, Base Mounting with Door Clutch for Single-Hole Mounting
 Depth X is not adjustable, declare depth X when ordering, IP66, cUL_{us} Type 4X

| | | | | | | | | |
|---|--|--|-----|---------------|------|-------------------|---|------|
| 4-pole, padlock device SV4   | | | 20A | 7,5kW | 64 □ | LTS20 VZH4 A4 X.. | 1 | 0,18 |
| | | | 25A | 10kW | 64 □ | LTS25 VZH4 A4 X.. | 1 | 0,18 |
| | | | 32A | 12,5kW | 64 □ | LTS32 VZH4 A4 X.. | 1 | 0,18 |
| | | | 40A | 16kW | 64 □ | LTS40 VZH4 A4 X.. | 1 | 0,18 |
| | | | 63A | 22kW | 64 □ | LTS63 VZH4 A4 X.. | 1 | 0,25 |
| | | | 80A | 22kW | 64 □ | LTS80 VZH4 A4 X.. | 1 | 0,25 |

Declare depth X when ordering



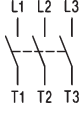
| Type | Preference values for X |
|------------|---------------------------------------|
| LT.. VZH.. | 80, 85, 104, 129 (tolerance -3, +1,5) |



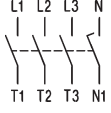




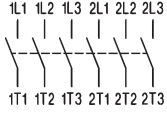
Add-on modules see page 297



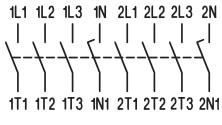
1) Types with padlock device 88 'type suffix **88**, ordering example: LTS32 VHN**488** A3, on request

Main Switches for Distribution Boards, lockable IP40, Open Type


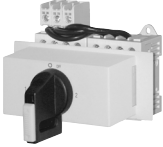
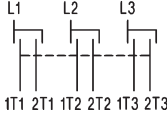
| | | max. padlocks | AC21 690V | AC23 3x400V | Plate | Type | Pack pcs. | Weight kg/pcs. |
|---|---|---------------|-----------|-----------------|-------|------------------------------|-----------|----------------|
| 3-pole, padlock device SV1  | | | | | | | | |
|  |  | | 20A | 7,5kW | 52x45 | LTS20 SMAH1 A3 ²⁾ | 1 | 0,15 |
| | | | 25A | 10kW | 52x45 | LTS25 SMAH1 A3 ²⁾ | 1 | 0,15 |
| | | | 32A | 12,5kW | 52x45 | LTS32 SMAH1 A3 ²⁾ | 1 | 0,15 |
| | | | 40A | 16kW | 52x45 | LTS40 SMAH1 A3 ²⁾ | 1 | 0,15 |
| | | | 63A | 22kW | 52x45 | LTS63 SMAH1 A3 ²⁾ | 1 | 0,18 |
| | | | 80A | 22kW | 52x45 | LTS80 SMAH1 A3 ²⁾ | 1 | 0,18 |
| | | | 85A | 30kW | 78x45 | LTS85 SMAH1 A3 | 1 | 0,37 |
| | | | 100A | 37kW | 78x45 | LTS100 SMAH1 A3 | 1 | 0,37 |
| | 125A | 45kW | 78x45 | LTS125 SMAH1 A3 | 1 | 0,37 | | |


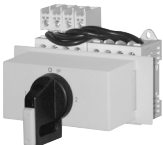
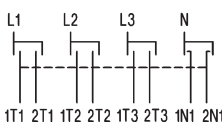
| | | | | | | | | |
|---|---|-------------|-------|-----------------|-------|------------------------------|---|------|
| 4-pole, padlock device SV1  | | | | | | | | |
|  |  | | 20A | 7,5kW | 52x45 | LTS20 SMAH1 A4 ²⁾ | 1 | 0,16 |
| | | | 25A | 10kW | 52x45 | LTS25 SMAH1 A4 ²⁾ | 1 | 0,16 |
| | | | 32A | 12,5kW | 52x45 | LTS32 SMAH1 A4 ²⁾ | 1 | 0,16 |
| | | | 40A | 16kW | 52x45 | LTS40 SMAH1 A4 ²⁾ | 1 | 0,16 |
| | | | 63A | 22kW | 52x45 | LTS63 SMAH1 A4 ²⁾ | 1 | 0,21 |
| | | | 80A | 22kW | 52x45 | LTS80 SMAH1 A4 ²⁾ | 1 | 0,21 |
| | | | 85A | 30kW | 78x45 | LTS85 SMAH1 A4 | 1 | 0,42 |
| | | | 100A | 37kW | 78x45 | LTS100 SMAH1 A4 | 1 | 0,42 |
| | 125A | 45kW | 78x45 | LTS125 SMAH1 A4 | 1 | 0,42 | | |

| | | | | | | | | |
|---|---|--|-----|---------------|-------|------------------------------|---|------|
| 6-pole, padlock device SV1 (64)  | | | | | | | | |
|  |  | | 20A | 7,5kW | 52x45 | LTS20 SMAH1 A6 | 1 | 0,29 |
| | | | 25A | 10kW | 52x45 | LTS25 SMAH1 A6 | 1 | 0,29 |
| | | | 32A | 12,5kW | 52x45 | LTS32 SMAH1 A6 | 1 | 0,29 |
| | | | 40A | 16kW | 52x45 | LTS40 SMAH1 A6 | 1 | 0,29 |
| | | | 63A | 22kW | 97x45 | LTS63 SMAH1 A6 ¹⁾ | 1 | 0,34 |
| | | | 80A | 22kW | 97x45 | LTS80 SMAH1 A6 ¹⁾ | 1 | 0,34 |

| | | | | | | | | |
|---|---|--|-----|---------------|--------|----------------|---|------|
| 8-pole, padlock device SV164  | | | | | | | | |
|  |  | | 20A | 7,5kW | 97x45 | LTS20 SMAH1 A8 | 1 | 0,31 |
| | | | 25A | 10kW | 97x45 | LTS25 SMAH1 A8 | 1 | 0,31 |
| | | | 32A | 12,5kW | 97x45 | LTS32 SMAH1 A8 | 1 | 0,31 |
| | | | 40A | 16kW | 97x45 | LTS40 SMAH1 A8 | 1 | 0,31 |
| | | | 63A | 22kW | 126x45 | LTS63 SMAH1 A8 | 1 | 0,42 |
| | | | 80A | 22kW | 126x45 | LTS80 SMAH1 A8 | 1 | 0,42 |

Changeover Switch with Padlock Device for Distribution Boards, lockable



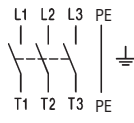


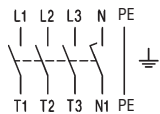


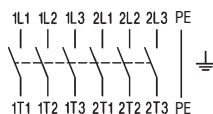


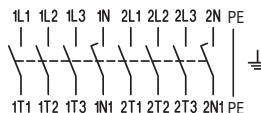


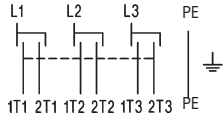


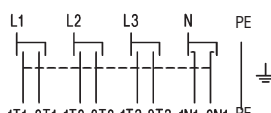
| | | | | | | | | |
|---|---|--|-----|---------------|-------|----------------|---|------|
| 3-pole, padlock device SV164  | | | | | | | | |
|  |  | | 20A | 7,5kW | 97x45 | LTS20 SMAH1 U3 | 1 | 0,29 |
| | | | 25A | 10kW | 97x45 | LTS25 SMAH1 U3 | 1 | 0,29 |
| | | | 32A | 12,5kW | 97x45 | LTS32 SMAH1 U3 | 1 | 0,29 |
| | | | 40A | 16kW | 97x45 | LTS40 SMAH1 U3 | 1 | 0,29 |
| | | | 63A | 22kW | 97x45 | LTS63 SMAH1 U3 | 1 | 0,34 |

| | | | | | | | | |
|---|---|--|-----|---------------|--------|----------------|---|------|
| 4-pole, padlock device SV164  | | | | | | | | |
|  |  | | 20A | 7,5kW | 97x45 | LTS20 SMAH1 U4 | 1 | 0,31 |
| | | | 25A | 10kW | 97x45 | LTS25 SMAH1 U4 | 1 | 0,31 |
| | | | 32A | 12,5kW | 97x45 | LTS32 SMAH1 U4 | 1 | 0,31 |
| | | | 40A | 16kW | 97x45 | LTS40 SMAH1 U4 | 1 | 0,31 |
| | | | 63A | 22kW | 126x45 | LTS63 SMAH1 U4 | 1 | 0,42 |

1) With padlock device SV164






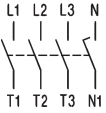





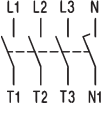
2) Emergency-Stop-Main Switches for Distribution Boards, lockable with low height handle, IP40
Type with Type-suffix „+SV1N“ e.g.: **LTS40 SMAHN1 A3 +SV1N**

Maintenance and Safety Switches, in Plastic Enclosure, lockable IP66, Type 4X

| | max. padlocks | AC21 690V | AC23 3x400V | Plate | Type | Pack pcs. | Weight kg/pcs. |
|---|---|---------------------------------|---------------|-------|--------------------------------|-----------|----------------|
| 3-pole, padlock device SV4(34)  | | | | | | | |
|  |  | 20A | 7,5kW | 64 □ | LTS20 PF(L ¹)H4 A3 | 1 | 0,32 |
| | | 25A | 10kW | 64 □ | LTS25 PF(L ¹)H4 A3 | 1 | 0,32 |
| | | 32A | 12,5kW | 64 □ | LTS32 PF(L ¹)H4 A3 | 1 | 0,32 |
| | | 40A | 16kW | 64 □ | LTS40 PF(L ¹)H4 A3 | 1 | 0,32 |
| | | 63A | 22kW | 64 □ | LTS63 PFLH4 A3 | 1 | 0,60 |
| | | 80A | 22kW | 64 □ | LTS80 PFLH4 A3 | 1 | 0,60 |
| | | 85A | 30kW | 64 □ | LTS85 PFLH4 A3 | 1 | 0,78 |
| | | 100A | 37kW | 64 □ | LTS100 PFLH4 A3 | 1 | 0,78 |
| | | 125A | 45kW | 64 □ | LTS125 PFLH4 A3 | 1 | 0,78 |
| | | 160A | 55kW | 88 □ | LT160 PFH34 T300 | 1 | 2,09 |
| Larger enclosure Type: ..PFL.. | on request | | | | | | |
| 4-pole, padlock device SV4(34)  | | | | | | | |
|  |  | 20A | 7,5kW | 64 □ | LTS20 PF(L ¹)H4 A4 | 1 | 0,33 |
| | | 25A | 10kW | 64 □ | LTS25 PF(L ¹)H4 A4 | 1 | 0,33 |
| | | 32A | 12,5kW | 64 □ | LTS32 PF(L ¹)H4 A4 | 1 | 0,33 |
| | | 40A | 16kW | 64 □ | LTS40 PF(L ¹)H4 A4 | 1 | 0,33 |
| | | 63A | 22kW | 64 □ | LTS63 PFLH4 A4 | 1 | 0,64 |
| | | 80A | 22kW | 64 □ | LTS80 PFLH4 A4 | 1 | 0,64 |
| | | 85A | 30kW | 64 □ | LTS85 PFLH4 A4 | 1 | 0,83 |
| | | 100A | 37kW | 64 □ | LTS100 PFLH4 A4 | 1 | 0,83 |
| | | 125A | 45kW | 64 □ | LTS125 PFLH4 A4 | 1 | 0,83 |
| | | 160A | 55kW | 88 □ | LT160 PFH34 T400 | 1 | 2,47 |
| Larger enclosure Type appendix +PF3 +PF3/M50 | on request on request | | | | | | |
| 6-pole, padlock device SV4  | | | | | | | |
|  |  | 20A | 7,5kW | 64 □ | LTS20 PFLH4 A6 | 1 | 1,39 |
| | | 25A | 10kW | 64 □ | LTS25 PFLH4 A6 | 1 | 1,39 |
| | | 32A | 12,5kW | 64 □ | LTS32 PFLH4 A6 | 1 | 1,39 |
| | | 40A | 16kW | 64 □ | LTS40 PFLH4 A6 | 1 | 1,39 |
| | | 63A | 22kW | 64 □ | LTS63 PFLH4 A6 | 1 | 1,42 |
| | | 80A | 22kW | 64 □ | LTS80 PFLH4 A6 | 1 | 1,42 |
| | | knockoutlets M50/40 +PF3/M50 | on request | | | | |
| 8-pole, padlock device SV4  | | | | | | | |
|  |  | 20A | 7,5kW | 64 □ | LTS20 PFLH4 A8 | 1 | 1,44 |
| | | 25A | 10kW | 64 □ | LTS25 PFLH4 A8 | 1 | 1,44 |
| | | 32A | 12,5kW | 64 □ | LTS32 PFLH4 A8 | 1 | 1,44 |
| | | 40A | 16kW | 64 □ | LTS40 PFLH4 A8 | 1 | 1,44 |
| | | 63A | 22kW | 64 □ | LTS63 PFLH4 A8 | 1 | 1,50 |
| | | 80A | 22kW | 64 □ | LTS80 PFLH4 A8 | 1 | 1,50 |
| | | knockoutlets M50/40 +PF3/M50 | on request | | | | |
| Changeover Switch with Padlock Device, lockable | | | | | | | |
| 3-pole, padlock device SV4  | | | | | | | |
|  |  | 20A | 7,5kW | 64 □ | LTS20 PFLH4 U3 | 1 | 1,39 |
| | | 25A | 10kW | 64 □ | LTS25 PFLH4 U3 | 1 | 1,39 |
| | | 32A | 12,5kW | 64 □ | LTS32 PFLH4 U3 | 1 | 1,39 |
| | | 40A | 16kW | 64 □ | LTS40 PFLH4 U3 | 1 | 1,39 |
| | | 63A | 22kW | 64 □ | LTS63 PFLH4 U3 | 1 | 1,42 |
| 4-pole, padlock device SV4  | | | | | | | |
|  |  | 20A | 7,5kW | 64 □ | LTS20 PFLH4 U4 | 1 | 1,44 |
| | | 25A | 10kW | 64 □ | LTS25 PFLH4 U4 | 1 | 1,44 |
| | | 32A | 12,5kW | 64 □ | LTS32 PFLH4 U4 | 1 | 1,44 |
| | | 40A | 16kW | 64 □ | LTS40 PFLH4 U4 | 1 | 1,44 |
| | | 63A | 22kW | 64 □ | LTS63 PFLH4 U4 | 1 | 1,50 |

1) PFL.... larger enclosure

Emergency-Stop-Main Switches for Panel Mounting, lockable IP66, Type 3R

| | max. padlocks | AC21 690V | AC23 3x400V | Plate | Type | Pack pcs. | Weighth kg/pcs. |
|---|---|-----------|---------------|--------------------|---|-----------|-----------------|
| 3-pole, padlock device SV1  | | | | | | | |
| |  | 20A | 7,5kW | 48 □ ¹⁾ | LTS20 EHN1 A3 | 1 | 0,15 |
| | | 25A | 10kW | 48 □ ¹⁾ | LTS25 EHN1 A3 | 1 | 0,15 |
| | | 32A | 12,5kW | 48 □ ¹⁾ | LTS32 EHN1 A3 | 1 | 0,15 |
| | | 40A | 16kW | 48 □ ¹⁾ | LTS40 EHN1 A3 | 1 | 0,15 |
| | | 63A | 22kW | 48 □ ¹⁾ | LTS63 EHN1 A3 | 1 | 0,17 |
| | | 80A | 22kW | 48 □ ¹⁾ | LTS80 EHN1 A3 | 1 | 0,17 |
| | | | | |  | | |
| 4-pole, padlock device SV1  | | | | | | | |
| |  | 20A | 7,5kW | 48 □ ¹⁾ | LTS20 EHN1 A4 | 1 | 0,19 |
| | | 25A | 10kW | 48 □ ¹⁾ | LTS25 EHN1 A4 | 1 | 0,19 |
| | | 32A | 12,5kW | 48 □ ¹⁾ | LTS32 EHN1 A4 | 1 | 0,19 |
| | | 40A | 16kW | 48 □ ¹⁾ | LTS40 EHN1 A4 | 1 | 0,19 |
| | | 63A | 22kW | 48 □ ¹⁾ | LTS63 EHN1 A4 | 1 | 0,21 |
| | | 80A | 22kW | 48 □ ¹⁾ | LTS80 EHN1 A4 | 1 | 0,21 |
| | | | | |  | | |
| 3-pole, padlock device SV4(34)  | | | | | | | |
| |  | 20A | 7,5kW | 64 □ ²⁾ | LTS20 EHN4 A3 | 1 | 0,17 |
| | | 25A | 10kW | 64 □ ²⁾ | LTS25 EHN4 A3 | 1 | 0,17 |
| | | 32A | 12,5kW | 64 □ ²⁾ | LTS32 EHN4 A3 | 1 | 0,17 |
| | | 40A | 16kW | 64 □ ²⁾ | LTS40 EHN4 A3 | 1 | 0,17 |
| | | 63A | 22kW | 64 □ ²⁾ | LTS63 EHN4 A3 | 1 | 0,19 |
| | | 80A | 22kW | 64 □ ²⁾ | LTS80 EHN4 A3 | 1 | 0,19 |
| | | 85A | 30kW | 64 □ ²⁾ | LTS85 EHN4 A3 | 1 | 0,39 |
| | | 100A | 37kW | 64 □ ²⁾ | LTS100 EHN4 A3 | 1 | 0,39 |
| | | 125A | 45kW | 64 □ ²⁾ | LTS125 EHN4 A3 | 1 | 0,39 |
| | | 160A | 55kW | 88 □ | LT160 EHN34 T300 | 1 | 1,16 |
| | | | | |  | | |
| 4-pole, padlock device SV4(34)  | | | | | | | |
| |  | 20A | 7,5kW | 64 □ ²⁾ | LTS20 EHN4 A4 | 1 | 0,20 |
| | | 25A | 10kW | 64 □ ²⁾ | LTS25 EHN4 A4 | 1 | 0,20 |
| | | 32A | 12,5kW | 64 □ ²⁾ | LTS32 EHN4 A4 | 1 | 0,20 |
| | | 40A | 16kW | 64 □ ²⁾ | LTS40 EHN4 A4 | 1 | 0,20 |
| | | 63A | 22kW | 64 □ ²⁾ | LTS63 EHN4 A4 | 1 | 0,23 |
| | | 80A | 22kW | 64 □ ²⁾ | LTS80 EHN4 A4 | 1 | 0,23 |
| | | 85A | 30kW | 64 □ ²⁾ | LTS85 EHN4 A4 | 1 | 0,44 |
| | | 100A | 37kW | 64 □ ²⁾ | LTS100 EHN4 A4 | 1 | 0,44 |
| | | 125A | 45kW | 64 □ ²⁾ | LTS125 EHN4 A4 | 1 | 0,44 |
| | | 160A | 55kW | 88 □ | LT160 EHN34 T400 | 1 | 1,55 |
| | | | | |  | | |

Add-on modules see page 297

Extended Switch Shaft for switches for panel mounting


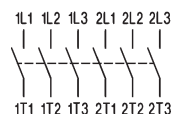

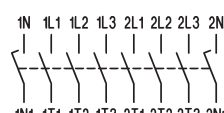
type suffix +VW"x"

x = panel thickness

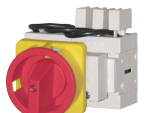
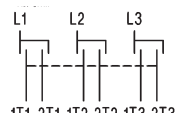

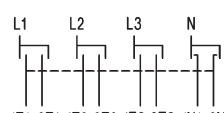
1) Types with padlock device 64 type suffix **64**, ordering example: LTS32 EHN1**64** A3, on request

2) Types with padlock device 88 type suffix **88**, ordering example: LTS32 EHN4**88** A3, on request


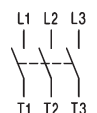

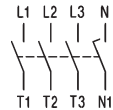
Emergency-Stop-Main Switches for Panel Mounting, lockable IP66, Type 3R

| | max. padlocks | AC21 690V | AC23 3x400V | Plate | Type | Pack pcs. | Weight kg/pcs. |
|---|---|--------------|----------------|-------|---------------|-----------|----------------|
| 6-pole, padlock device SV4  | | | | | | | |
| |  | 20A | 7,5kW | 64 □ | LTS20 EHN4 A6 | 1 | 0,30 |
| | | 25A | 10kW | 64 □ | LTS25 EHN4 A6 | 1 | 0,30 |
| | | 32A | 12,5kW | 64 □ | LTS32 EHN4 A6 | 1 | 0,30 |
| | | 40A | 16kW | 64 □ | LTS40 EHN4 A6 | 1 | 0,30 |
| | | 63A | 22kW | 64 □ | LTS63 EHN4 A6 | 1 | 0,34 |
| | | 80A | 22kW | 64 □ | LTS80 EHN4 A6 | 1 | 0,34 |
| 8-pole, padlock device SV4  | | | | | | | |
| |  | 20A | 7,5kW | 64 □ | LTS20 EHN4 A8 | 1 | 0,38 |
| | | 25A | 10kW | 64 □ | LTS25 EHN4 A8 | 1 | 0,38 |
| | | 32A | 12,5kW | 64 □ | LTS32 EHN4 A8 | 1 | 0,38 |
| | | 40A | 16kW | 64 □ | LTS40 EHN4 A8 | 1 | 0,38 |
| | | 63A | 22kW | 64 □ | LTS63 EHN4 A8 | 1 | 0,42 |
| | | 80A | 22kW | 64 □ | LTS80 EHN4 A8 | 1 | 0,42 |

Changeover Switch with Padlock Device for Panel Mounting, lockable IP66

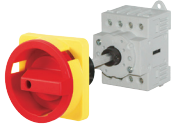
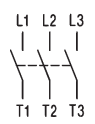
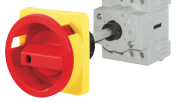
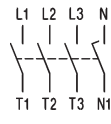

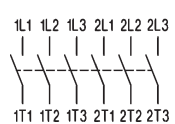
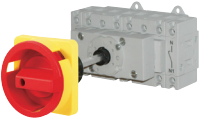
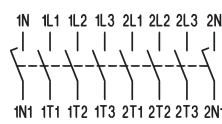
| | | | | | | | |
|---|---|-----|---------------|------|---------------|---|------|
| 3-pole, padlock device SV4  | | | | | | | |
| |  | 20A | 7,5kW | 64 □ | LTS20 EHN4 U3 | 1 | 0,30 |
| | | 25A | 10kW | 64 □ | LTS25 EHN4 U3 | 1 | 0,30 |
| | | 32A | 12,5kW | 64 □ | LTS32 EHN4 U3 | 1 | 0,30 |
| | | 40A | 16kW | 64 □ | LTS40 EHN4 U3 | 1 | 0,30 |
| | | 63A | 22kW | 64 □ | LTS63 EHN4 U3 | 1 | 0,34 |
| 4-pole, padlock device SV4  | | | | | | | |
| |  | 20A | 7,5kW | 64 □ | LTS20 EHN4 U4 | 1 | 0,38 |
| | | 25A | 10kW | 64 □ | LTS25 EHN4 U4 | 1 | 0,38 |
| | | 32A | 12,5kW | 64 □ | LTS32 EHN4 U4 | 1 | 0,38 |
| | | 40A | 16kW | 64 □ | LTS40 EHN4 U4 | 1 | 0,38 |
| | | 63A | 22kW | 64 □ | LTS63 EHN4 U4 | 1 | 0,42 |

Main Switches Emergency-Stop for Single Hole Mounting, lockable IP66 Type 4X

| | max. padlocks | AC21 690V | AC23 3x400V | Plate | Type | Pack pcs. | Weight kg/pcs. |
|---|---|--------------|----------------|-------|---------------|-----------|----------------|
| 3-pole, padlock device SV1  | | | | | | | |
| |  | 20A | 7,5kW | 48 □ | LTS20 ZHN1 A3 | 1 | 0,16 |
| | | 25A | 10kW | 48 □ | LTS25 ZHN1 A3 | 1 | 0,16 |
| | | 32A | 12,5kW | 48 □ | LTS32 ZHN1 A3 | 1 | 0,16 |
| | | 40A | 16kW | 48 □ | LTS40 ZHN1 A3 | 1 | 0,16 |
| 4-pole, padlock device SV1  | | | | | | | |
| |  | 20A | 7,5kW | 48 □ | LTS20 ZHN1 A4 | 1 | 0,20 |
| | | 25A | 10kW | 48 □ | LTS25 ZHN1 A4 | 1 | 0,20 |
| | | 32A | 12,5kW | 48 □ | LTS32 ZHN1 A4 | 1 | 0,20 |
| | | 40A | 16kW | 48 □ | LTS40 ZHN1 A4 | 1 | 0,20 |

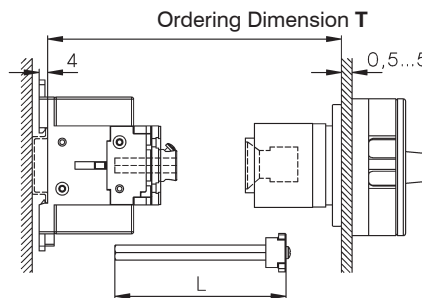
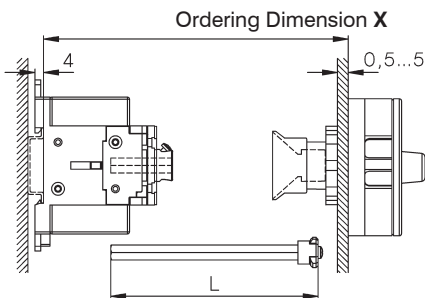
Add-on modules see page 295

Emergency-Stop-Main Switches, Base Mounting with Door Clutch for Single-Hole Mounting
 Depth X is adjustable (delivered with X_{max} see below), IP66, cUL_{us} Type 4X

| | max. padlocks | AC21 690V | AC23 3x400V | Plate | Type | Pack pcs. | Weight kg/pcs. |
|---|---------------|-------------|---------------|------------------|-----------------|-----------|----------------|
| 3-pole, padlock device SV4 | | | | | | | |
|   | 3 | 20A | 7,5kW | 64 □ | LTS20 VZVHN4 A3 | 1 | 0,19 |
| | | 25A | 10kW | 64 □ | LTS25 VZVHN4 A3 | 1 | 0,19 |
| | | 32A | 12,5kW | 64 □ | LTS32 VZVHN4 A3 | 1 | 0,19 |
| | | 40A | 16kW | 64 □ | LTS40 VZVHN4 A3 | 1 | 0,19 |
| | | 63A | 22kW | 64 □ | LTS63 VZVHN4 A3 | 1 | 0,22 |
| | | 80A | 22kW | 64 □ | LTS80 VZVHN4 A3 | 1 | 0,22 |
| | | 85A | 30kW | 64 □ | LTS85 VZVHN4 A3 | 1 | 0,40 |
| | 100A | 37kW | 64 □ | LTS100 VZVHN4 A3 | 1 | 0,40 | |
| | 125A | 45kW | 64 □ | LTS125 VZVHN4 A3 | 1 | 0,40 | |
| 4-pole, padlock device SV4 | | | | | | | |
|   | 3 | 20A | 7,5kW | 64 □ | LTS20 VZVHN4 A4 | 1 | 0,20 |
| | | 25A | 10kW | 64 □ | LTS25 VZVHN4 A4 | 1 | 0,20 |
| | | 32A | 12,5kW | 64 □ | LTS32 VZVHN4 A4 | 1 | 0,20 |
| | | 40A | 16kW | 64 □ | LTS40 VZVHN4 A4 | 1 | 0,20 |
| | | 63A | 22kW | 64 □ | LTS63 VZVHN4 A4 | 1 | 0,26 |
| | | 80A | 22kW | 64 □ | LTS80 VZVHN4 A4 | 1 | 0,26 |
| | | 85A | 30kW | 64 □ | LTS85 VZVHN4 A4 | 1 | 0,45 |
| | 100A | 37kW | 64 □ | LTS100 VZVHN4 A4 | 1 | 0,45 | |
| | 125A | 45kW | 64 □ | LTS125 VZVHN4 A4 | 1 | 0,45 | |
| 6-pole, padlock device SV4 | | | | | | | |
|   | 3 | 20A | 7,5kW | 64 □ | LTS20 VZVHN4 A6 | 1 | 0,32 |
| | | 25A | 10kW | 64 □ | LTS25 VZVHN4 A6 | 1 | 0,32 |
| | | 32A | 12,5kW | 64 □ | LTS32 VZVHN4 A6 | 1 | 0,32 |
| | | 40A | 16kW | 64 □ | LTS40 VZVHN4 A6 | 1 | 0,32 |
| | | 63A | 22kW | 64 □ | LTS63 VZVHN4 A6 | 1 | 0,37 |
| | | 80A | 22kW | 64 □ | LTS80 VZVHN4 A6 | 1 | 0,37 |
| 8-pole, padlock device SV4 | | | | | | | |
|   | 3 | 20A | 7,5kW | 64 □ | LTS20 VZVHN4 A8 | 1 | 0,34 |
| | | 25A | 10kW | 64 □ | LTS25 VZVHN4 A8 | 1 | 0,34 |
| | | 32A | 12,5kW | 64 □ | LTS32 VZVHN4 A8 | 1 | 0,34 |
| | | 40A | 16kW | 64 □ | LTS40 VZVHN4 A8 | 1 | 0,34 |
| | | 63A | 22kW | 64 □ | LTS63 VZVHN4 A8 | 1 | 0,45 |
| | 80A | 22kW | 64 □ | LTS80 VZVHN4 A8 | 1 | 0,45 | |

Depth
 Single Hole Mounting Ø22mm
 LTS.. VZV..

4-Hole Mounting
 LTS.. V(HN).. (3, 4-pole)

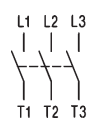
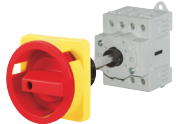


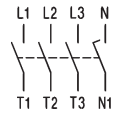

| Type | | X min | X max | L |
|-----------------|------------|-------|-------|-----------------|
| LTS20-80 VZV.. | 3, 4-polig | 91 - | 190 | X - 40±3 |
| LTS20-80 VZV.. | 6, 8-polig | 111 - | 190 | X - 60±3 |
| LTS85-125 VZV.. | 3, 4-polig | 95- | 190 | X - 44±3 |


| Type | T min | T max | L | Type | T min | T max |
|----------------|-------|-------|-----------------|------------|-------|-------|
| LTS20-80 VH.. | 111 - | 190 | T - 60±3 | LT160 VH.. | 120 - | 450 |
| LTS85-125 VH.. | 115 - | 190 | T - 64±3 | | | |

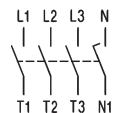
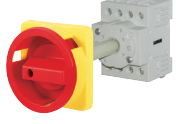
Greater X- and T-Dimensions (max. 380mm for LTS..) on request

Emergency-Stop-Main Switches, Base Mounting with Door Clutch, Padlock Device for 4-Hole Mounting, Depth T is adjustable (delivered with T_{max} see page 282), IP66,  Type 4X

| | max. padlocks | AC21 690V | AC23 3x400V | Schild | Type | Pack pcs. | Weight kg/pcs. |
|---|---|-----------|---------------|--------------------|------------------|-----------|----------------|
| 3-pole, padlock device SV4(34)  |  | 20A | 7,5kW | 64 □ ¹⁾ | LTS20 VHN4 A3 | 1 | 0,20 |
| | | 25A | 10kW | 64 □ ¹⁾ | LTS25 VHN4 A3 | 1 | 0,20 |
| | | 32A | 12,5kW | 64 □ ¹⁾ | LTS32 VHN4 A3 | 1 | 0,20 |
| | | 40A | 16kW | 64 □ ¹⁾ | LTS40 VHN4 A3 | 1 | 0,20 |
| | | 63A | 22kW | 64 □ ¹⁾ | LTS63 VHN4 A3 | 1 | 0,24 |
| | | 80A | 22kW | 64 □ ¹⁾ | LTS80 VHN4 A3 | 1 | 0,24 |
| | | 85A | 30kW | 64 □ ¹⁾ | LTS85 VHN4 A3 | 1 | 0,40 |
| | | 100A | 37kW | 64 □ ¹⁾ | LTS100 VHN4 A3 | 1 | 0,40 |
| | | 125A | 45kW | 64 □ ¹⁾ | LTS125 VHN4 A3 | 1 | 0,40 |
| | | 160A | 55kW | 88 □ | LT160 VHN34 T300 | 1 | 1,38 |

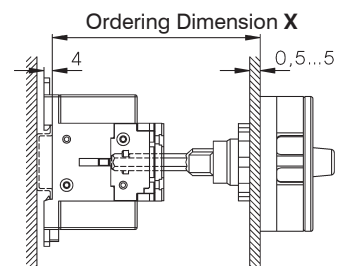
| | | | | | | | |
|---|---|------|---------------|--------------------|------------------|---|------|
| 4-pole, padlock device SV4(34)  |  | 20A | 7,5kW | 64 □ ¹⁾ | LTS20 VHN4 A4 | 1 | 0,21 |
| | | 25A | 10kW | 64 □ ¹⁾ | LTS25 VHN4 A4 | 1 | 0,21 |
| | | 32A | 12,5kW | 64 □ ¹⁾ | LTS32 VHN4 A4 | 1 | 0,21 |
| | | 40A | 16kW | 64 □ ¹⁾ | LTS40 VHN4 A4 | 1 | 0,21 |
| | | 63A | 22kW | 64 □ ¹⁾ | LTS63 VHN4 A4 | 1 | 0,28 |
| | | 80A | 22kW | 64 □ ¹⁾ | LTS80 VHN4 A4 | 1 | 0,28 |
| | | 85A | 30kW | 64 □ ¹⁾ | LTS85 VHN4 A4 | 1 | 0,45 |
| | | 100A | 37kW | 64 □ ¹⁾ | LTS100 VHN4 A4 | 1 | 0,45 |
| | | 125A | 45kW | 64 □ ¹⁾ | LTS125 VHN4 A4 | 1 | 0,45 |
| | | 160A | 55kW | 88 □ | LT160 VHN34 T400 | 1 | 1,77 |

Emergency-Stop-Main Switches, Base Mounting with Door Clutch for Single-Hole Mounting Depth X is not adjustable, declare depth X when ordering, IP66,  Type 4x

| | | | | | | | |
|---|---|-----|---------------|------|--------------------|---|------|
| 4-pole, padlock device SV4  |  | 20A | 7,5kW | 64 □ | LTS20 VZHN4 A4 X.. | 1 | 0,18 |
| | | 25A | 10kW | 64 □ | LTS25 VZHN4 A4 X.. | 1 | 0,18 |
| | | 32A | 12,5kW | 64 □ | LTS32 VZHN4 A4 X.. | 1 | 0,18 |
| | | 40A | 16kW | 64 □ | LTS40 VZHN4 A4 X.. | 1 | 0,18 |
| | | 63A | 22kW | 64 □ | LTS63 VZHN4 A4 X.. | 1 | 0,25 |
| | | 80A | 22kW | 64 □ | LTS80 VZHN4 A4 X.. | 1 | 0,25 |

Declare depth X when ordering



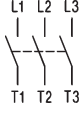
| Type | Preference values for X |
|-------------|---------------------------------------|
| LTS.. VZH.. | 80, 85, 104, 129 (tolerance -3, +1,5) |



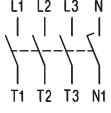




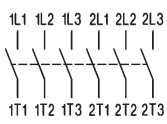
Add-on modules see page 297


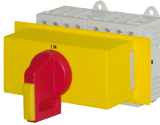
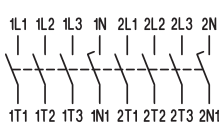
1) Types with padlock device 88 'type suffix **88**, ordering example: LTS32 VHN**488** A3, on request

Emergency-Stop-Main Switches for Distribution Boards, lockable IP40, Open Type


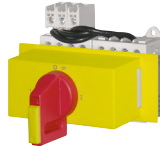
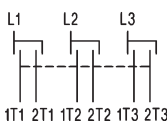
| | | max. padlocks | AC21 690V | AC23 3x400V | Plate | Type | Pack pcs. | Weight kg/pcs. |
|---|---|---------------|-----------|------------------|-------|-------------------------------|-----------|----------------|
| 3-pole, padlock device SV1  | | | | | | | | |
|  |  | | 20A | 7,5kW | 52x45 | LTS20 SMAHN1 A3 ²⁾ | 1 | 0,15 |
| | | | 25A | 10kW | 52x45 | LTS25 SMAHN1 A3 ²⁾ | 1 | 0,15 |
| | | | 32A | 12,5kW | 52x45 | LTS32 SMAHN1 A3 ²⁾ | 1 | 0,15 |
| | | | 40A | 16kW | 52x45 | LTS40 SMAHN1 A3 ²⁾ | 1 | 0,15 |
| | | | 63A | 22kW | 52x45 | LTS63 SMAHN1 A3 ²⁾ | 1 | 0,18 |
| | | | 80A | 22kW | 52x45 | LTS80 SMAHN1 A3 ²⁾ | 1 | 0,18 |
| | | | 85A | 30kW | 78x45 | LTS85 SMAHN1 A3 | 1 | 0,37 |
| | | | 100A | 37kW | 78x45 | LTS100 SMAHN1 A3 | 1 | 0,37 |
| | 125A | 45kW | 78x45 | LTS125 SMAHN1 A3 | 1 | 0,37 | | |


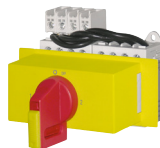
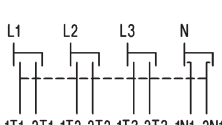
| | | | | | | | | |
|---|---|-------------|-------|------------------|-------|-------------------------------|---|------|
| 4-pole, padlock device SV1  | | | | | | | | |
|  |  | | 20A | 7,5kW | 52x45 | LTS20 SMAHN1 A4 ²⁾ | 1 | 0,16 |
| | | | 25A | 10kW | 52x45 | LTS25 SMAHN1 A4 ²⁾ | 1 | 0,16 |
| | | | 32A | 12,5kW | 52x45 | LTS32 SMAHN1 A4 ²⁾ | 1 | 0,16 |
| | | | 40A | 16kW | 52x45 | LTS40 SMAHN1 A4 ²⁾ | 1 | 0,16 |
| | | | 63A | 22kW | 52x45 | LTS63 SMAHN1 A4 ²⁾ | 1 | 0,21 |
| | | | 80A | 22kW | 52x45 | LTS80 SMAHN1 A4 ²⁾ | 1 | 0,21 |
| | | | 85A | 30kW | 78x45 | LTS85 SMAHN1 A4 | 1 | 0,42 |
| | | | 100A | 37kW | 78x45 | LTS100 SMAHN1 A4 | 1 | 0,42 |
| | 125A | 45kW | 78x45 | LTS125 SMAHN1 A4 | 1 | 0,42 | | |

| | | | | | | | | |
|---|---|--|-----|---------------|-------|-------------------------------|---|------|
| 6-pole, padlock device SV1 (64)  | | | | | | | | |
|  |  | | 20A | 7,5kW | 52x45 | LTS20 SMAHN1 A6 | 1 | 0,29 |
| | | | 25A | 10kW | 52x45 | LTS25 SMAHN1 A6 | 1 | 0,29 |
| | | | 32A | 12,5kW | 52x45 | LTS32 SMAHN1 A6 | 1 | 0,29 |
| | | | 40A | 16kW | 52x45 | LTS40 SMAHN1 A6 | 1 | 0,29 |
| | | | 63A | 22kW | 97x45 | LTS63 SMAHN1 A6 ¹⁾ | 1 | 0,34 |
| | | | 80A | 22kW | 97x45 | LTS80 SMAHN1 A6 ¹⁾ | 1 | 0,34 |

| | | | | | | | | |
|---|---|--|-----|---------------|--------|-----------------|---|------|
| 8-pole, padlock device SV164  | | | | | | | | |
|  |  | | 20A | 7,5kW | 97x45 | LTS20 SMAHN1 A8 | 1 | 0,31 |
| | | | 25A | 10kW | 97x45 | LTS25 SMAHN1 A8 | 1 | 0,31 |
| | | | 32A | 12,5kW | 97x45 | LTS32 SMAHN1 A8 | 1 | 0,31 |
| | | | 40A | 16kW | 97x45 | LTS40 SMAHN1 A8 | 1 | 0,31 |
| | | | 63A | 22kW | 126x45 | LTS63 SMAHN1 A8 | 1 | 0,42 |
| | | | 80A | 22kW | 126x45 | LTS80 SMAHN1 A8 | 1 | 0,42 |

Changeover Switch with Padlock Device for Distribution Boards, lockable



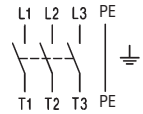


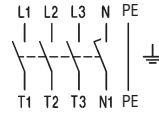


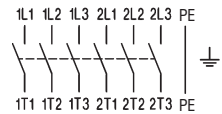


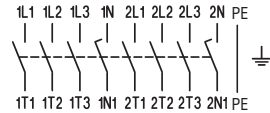


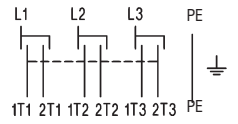


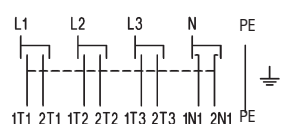
| | | | | | | | | |
|---|---|--|-----|---------------|-------|-----------------|---|------|
| 3-pole, padlock device SV164  | | | | | | | | |
|  |  | | 20A | 7,5kW | 97x45 | LTS20 SMAHN1 U3 | 1 | 0,29 |
| | | | 25A | 10kW | 97x45 | LTS25 SMAHN1 U3 | 1 | 0,29 |
| | | | 32A | 12,5kW | 97x45 | LTS32 SMAHN1 U3 | 1 | 0,29 |
| | | | 40A | 16kW | 97x45 | LTS40 SMAHN1 U3 | 1 | 0,29 |
| | | | 63A | 22kW | 97x45 | LTS63 SMAHN1 U3 | 1 | 0,34 |

| | | | | | | | | |
|---|---|--|-----|---------------|--------|-----------------|---|------|
| 4-pole, padlock device SV164  | | | | | | | | |
|  |  | | 20A | 7,5kW | 97x45 | LTS20 SMAHN1 U4 | 1 | 0,31 |
| | | | 25A | 10kW | 97x45 | LTS25 SMAHN1 U4 | 1 | 0,31 |
| | | | 32A | 12,5kW | 97x45 | LTS32 SMAHN1 U4 | 1 | 0,31 |
| | | | 40A | 16kW | 97x45 | LTS40 SMAHN1 U4 | 1 | 0,31 |
| | | | 63A | 22kW | 126x45 | LTS63 SMAHN1 U4 | 1 | 0,42 |

1) With padlock device SV164


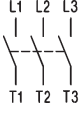

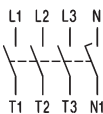

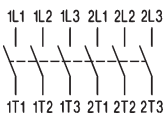

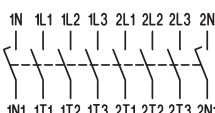

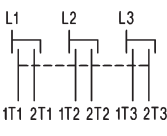

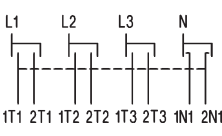
2) Emergency-Stop-Main Switches for Distribution Boards, lockable with low height handle, IP40
Type with Type-suffix „+SV1N“ e.g.: **LTS40 SMAHN1 A3 +SV1N**

Maintenance and Safety Emergency-Stop-Main Switches, in Plastic Enclosure, lockable IP66,  us Type 4X


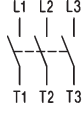

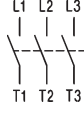
| | max. padlocks | AC21 690V | AC23 3x400V | Plate | Type | Pack pcs. | Weight kg/pcs. |
|---|--------------------------|--------------|----------------|-------|---------------------------------|--------------|-------------------|
| 3-pole, padlock device SV4(34)  | | | | | | | |
|   | | 20A | 7,5kW | 64 □ | LTS20 PF(L ¹)HN4 A3 | 1 | 0,32 |
| | | 25A | 10kW | 64 □ | LTS25 PF(L ¹)HN4 A3 | 1 | 0,32 |
| | | 32A | 12,5kW | 64 □ | LTS32 PF(L ¹)HN4 A3 | 1 | 0,32 |
| | | 40A | 16kW | 64 □ | LTS40 PF(L ¹)HN4 A3 | 1 | 0,32 |
| | | 63A | 22kW | 64 □ | LTS63 PFLHN4 A3 | 1 | 0,60 |
| | | 80A | 22kW | 64 □ | LTS80 PFLHN4 A3 | 1 | 0,60 |
| | | 85A | 30kW | 64 □ | LTS85 PFLHN4 A3 | 1 | 0,78 |
| | | 100A | 37kW | 64 □ | LTS100 PFLHN4 A3 | 1 | 0,78 |
| | | 125A | 45kW | 64 □ | LTS125 PFLHN4 A3 | 1 | 0,78 |
| | | 160A | 55kW | 88 □ | LT160 PFHN34 T300 | 1 | 2,09 |
| Larger enclosure Type: ..PFL.. | on request | | | | | | |
| 4-pole, padlock device SV4(34)  | | | | | | | |
|   | | 20A | 7,5kW | 64 □ | LTS20 PF(L ¹)HN4 A4 | 1 | 0,33 |
| | | 25A | 10kW | 64 □ | LTS25 PF(L ¹)HN4 A4 | 1 | 0,33 |
| | | 32A | 12,5kW | 64 □ | LTS32 PF(L ¹)HN4 A4 | 1 | 0,33 |
| | | 40A | 16kW | 64 □ | LTS40 PF(L ¹)HN4 A4 | 1 | 0,33 |
| | | 63A | 22kW | 64 □ | LTS63 PFLHN4 A4 | 1 | 0,64 |
| | | 80A | 22kW | 64 □ | LTS80 PFLHN4 A4 | 1 | 0,64 |
| | | 85A | 30kW | 64 □ | LTS85 PFLHN4 A4 | 1 | 0,83 |
| | | 100A | 37kW | 64 □ | LTS100 PFLHN4 A4 | 1 | 0,83 |
| | | 125A | 45kW | 64 □ | LTS125 PFLHN4 A4 | 1 | 0,83 |
| | | 160A | 55kW | 88 □ | LT160 PFHN34 T400 | 1 | 2,47 |
| Larger enclosure Type appendix +PF3 +PF3/M50 | on request on request | | | | | | |
| 6-pole, padlock device SV4  | | | | | | | |
|   | | 20A | 7,5kW | 64 □ | LTS20 PFLHN4 A6 | 1 | 1,39 |
| | | 25A | 10kW | 64 □ | LTS25 PFLHN4 A6 | 1 | 1,39 |
| | | 32A | 12,5kW | 64 □ | LTS32 PFLHN4 A6 | 1 | 1,39 |
| | | 40A | 16kW | 64 □ | LTS40 PFLHN4 A6 | 1 | 1,39 |
| | | 63A | 22kW | 64 □ | LTS63 PFLHN4 A6 | 1 | 1,42 |
| | | 80A | 22kW | 64 □ | LTS80 PFLHN4 A6 | 1 | 1,42 |
| | | | | | | | |
| knockoutlets M50/40 +PF3/M50 | on request | | | | | | |
| 8-pole, padlock device SV4  | | | | | | | |
|   | | 20A | 7,5kW | 64 □ | LTS20 PFLHN4 A8 | 1 | 1,44 |
| | | 25A | 10kW | 64 □ | LTS25 PFLHN4 A8 | 1 | 1,44 |
| | | 32A | 12,5kW | 64 □ | LTS32 PFLHN4 A8 | 1 | 1,44 |
| | | 40A | 16kW | 64 □ | LTS40 PFLHN4 A8 | 1 | 1,44 |
| | | 63A | 22kW | 64 □ | LTS63 PFLHN4 A8 | 1 | 1,50 |
| | | 80A | 22kW | 64 □ | LTS80 PFLHN4 A8 | 1 | 1,50 |
| | | | | | | | |
| knockoutlets M50/40 +PF3/M50 | on request | | | | | | |
| Changeover Switch with Padlock Device, lockable | | | | | | | |
| 3-pole, padlock device SV4  | | | | | | | |
|   | | 20A | 7,5kW | 64 □ | LTS20 PFLHN4 U3 | 1 | 1,39 |
| | | 25A | 10kW | 64 □ | LTS25 PFLHN4 U3 | 1 | 1,39 |
| | | 32A | 12,5kW | 64 □ | LTS32 PFLHN4 U3 | 1 | 1,39 |
| | | 40A | 16kW | 64 □ | LTS40 PFLHN4 U3 | 1 | 1,39 |
| | | 63A | 22kW | 64 □ | LTS63 PFLHN4 U3 | 1 | 1,42 |
| 4-pole, padlock device SV4  | | | | | | | |
|   | | 20A | 7,5kW | 64 □ | LTS20 PFLHN4 U4 | 1 | 1,44 |
| | | 25A | 10kW | 64 □ | LTS25 PFLHN4 U4 | 1 | 1,44 |
| | | 32A | 12,5kW | 64 □ | LTS32 PFLHN4 U4 | 1 | 1,44 |
| | | 40A | 16kW | 64 □ | LTS40 PFLHN4 U4 | 1 | 1,44 |
| | | 63A | 22kW | 64 □ | LTS63 PFLHN4 U4 | 1 | 1,50 |

1) PFL.... larger enclosure




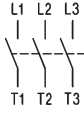

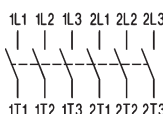

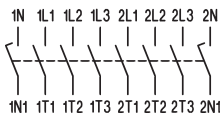
Switch Disconnectors for Panel Mounting, IP66,  Type 3R

| | | AC21 690V | AC23 3x400V | Plate | Type | Pack pcs. | Weight kg/pcs. |
|---|---|--------------|----------------|-------|--------------|--------------|-------------------|
| On-Off Switches 3-pole | | | | | | | |
|  |  | 20A | 7,5kW | 48 □ | LTS20 E A3 | 1 | 0,15 |
| | | 25A | 10kW | 48 □ | LTS25 E A3 | 1 | 0,15 |
| | | 32A | 12,5kW | 48 □ | LTS32 E A3 | 1 | 0,15 |
| | | 40A | 16kW | 48 □ | LTS40 E A3 | 1 | 0,15 |
| | | 63A | 22kW | 48 □ | LTS63 E A3 | 1 | 0,17 |
| | | 80A | 22kW | 48 □ | LTS80 E A3 | 1 | 0,17 |
| | | 85A | 30kW | 64 □ | LTS85 E A3 | 1 | 0,39 |
| | | 100A | 37kW | 64 □ | LTS100 E A3 | 1 | 0,39 |
| | | 125A | 45kW | 64 □ | LTS125 E A3 | 1 | 0,39 |
| | | 160A | 55kW | 88 □ | LT160 E T300 | 1 | 1,10 |
| On-Off Switches 4-pole | | | | | | | |
|  |  | 20A | 7,5kW | 48 □ | LTS20 E A4 | 1 | 0,18 |
| | | 25A | 10kW | 48 □ | LTS25 E A4 | 1 | 0,18 |
| | | 32A | 12,5kW | 48 □ | LTS32 E A4 | 1 | 0,18 |
| | | 40A | 16kW | 48 □ | LTS40 E A4 | 1 | 0,18 |
| | | 63A | 22kW | 48 □ | LTS63 E A4 | 1 | 0,21 |
| | | 80A | 22kW | 48 □ | LTS80 E A4 | 1 | 0,21 |
| | | 85A | 30kW | 64 □ | LTS85 E A4 | 1 | 0,44 |
| | | 100A | 37kW | 64 □ | LTS100 E A4 | 1 | 0,44 |
| | | 125A | 45kW | 64 □ | LTS125 E A4 | 1 | 0,44 |
| | | 160A | 55kW | 88 □ | LT160 E T400 | 1 | 1,50 |
| On-Off Switches 6-pole | | | | | | | |
|  |  | 20A | 7,5kW | 64 □ | LTS20 E A6 | 1 | 0,30 |
| | | 25A | 10kW | 64 □ | LTS25 E A6 | 1 | 0,30 |
| | | 32A | 12,5kW | 64 □ | LTS32 E A6 | 1 | 0,30 |
| | | 40A | 16kW | 64 □ | LTS40 E A6 | 1 | 0,30 |
| | | 63A | 22kW | 64 □ | LTS63 E A6 | 1 | 0,36 |
| | | 80A | 22kW | 64 □ | LTS80 E A6 | 1 | 0,36 |
| On-Off Switches 8-pole | | | | | | | |
|  |  | 20A | 7,5kW | 64 □ | LTS20 E A8 | 1 | 0,32 |
| | | 25A | 10kW | 64 □ | LTS25 E A8 | 1 | 0,32 |
| | | 32A | 12,5kW | 64 □ | LTS32 E A8 | 1 | 0,32 |
| | | 40A | 16kW | 64 □ | LTS40 E A8 | 1 | 0,32 |
| | | 63A | 22kW | 64 □ | LTS63 E A8 | 1 | 0,43 |
| | | 80A | 22kW | 64 □ | LTS80 E A8 | 1 | 0,43 |
| Changeover Switches 3-pole | | | | | | | |
|  |  | 20A | 7,5kW | 64 □ | LTS20 E U3 | 1 | 0,31 |
| | | 25A | 10kW | 64 □ | LTS25 E U3 | 1 | 0,31 |
| | | 32A | 12,5kW | 64 □ | LTS32 E U3 | 1 | 0,31 |
| | | 40A | 16kW | 64 □ | LTS40 E U3 | 1 | 0,31 |
| | | 63A | 22kW | 64 □ | LTS63 E U3 | 1 | 0,37 |
| Changeover Switches 4-pole | | | | | | | |
|  |  | 20A | 7,5kW | 64 □ | LTS20 E U4 | 1 | 0,33 |
| | | 25A | 10kW | 64 □ | LTS25 E U4 | 1 | 0,33 |
| | | 32A | 12,5kW | 64 □ | LTS32 E U4 | 1 | 0,33 |
| | | 40A | 16kW | 64 □ | LTS40 E U4 | 1 | 0,33 |
| | | 63A | 22kW | 64 □ | LTS63 E U4 | 1 | 0,44 |

Switch Disconnectors for Single Hole Mounting, lockable IP66, c(UL)us Type 4X

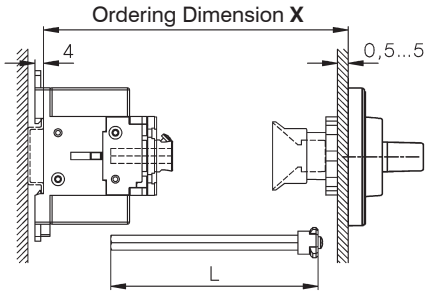
| | AC21 690V | AC23 3x400V | Plate | Type | Pack pcs. | Weight kg/pcs. |
|---|--------------|----------------|-------|------------|--------------|-------------------|
| On-Off Switches 3-pole | | | | | | |
|   | 20A | 7,5kW | 48 □ | LTS20 Z A3 | 1 | 0,16 |
| | 25A | 10kW | 48 □ | LTS25 Z A3 | 1 | 0,16 |
| | 32A | 12,5kW | 48 □ | LTS32 Z A3 | 1 | 0,16 |
| | 40A | 16kW | 48 □ | LTS40 Z A3 | 1 | 0,16 |
| On-Off Switches 4-pole | | | | | | |
|   | 20A | 7,5kW | 48 □ | LTS20 Z A4 | 1 | 0,20 |
| | 25A | 10kW | 48 □ | LTS25 Z A4 | 1 | 0,20 |
| | 32A | 12,5kW | 48 □ | LTS32 Z A4 | 1 | 0,20 |
| | 40A | 16kW | 48 □ | LTS40 Z A4 | 1 | 0,20 |

Switch Disconnectors, Base Mounting with Door Clutch for Single-Hole Mounting
Depth X is adjustable (delivered with X_{max} see page 294), IP66, c(UL)us Type 4X

| | AC21 690V | AC23 3x400V | Plate | Type | Pack pcs. | Weight kg/pcs. |
|---|--------------|----------------|---------------|---------------|--------------|-------------------|
| On-Off Switches 3-pole | | | | | | |
|   | 20A | 7,5kW | 64 □ | LTS20 VZV A3 | 1 | 0,19 |
| | 25A | 10kW | 64 □ | LTS25 VZV A3 | 1 | 0,19 |
| | 32A | 12,5kW | 64 □ | LTS32 VZV A3 | 1 | 0,19 |
| | 40A | 16kW | 64 □ | LTS40 VZV A3 | 1 | 0,19 |
| | 63A | 22kW | 64 □ | LTS63 VZV A3 | 1 | 0,22 |
| | 80A | 22kW | 64 □ | LTS80 VZV A3 | 1 | 0,22 |
| | 85A | 30kW | 64 □ | LTS85 VZV A3 | 1 | 0,40 |
| | 100A | 37kW | 64 □ | LTS100 VZV A3 | 1 | 0,40 |
| 125A | 45kW | 64 □ | LTS125 VZV A3 | 1 | 0,40 | |
| On-Off Switches 4-pole | | | | | | |
|   | 20A | 7,5kW | 64 □ | LTS20 VZV A4 | 1 | 0,20 |
| | 25A | 10kW | 64 □ | LTS25 VZV A4 | 1 | 0,20 |
| | 32A | 12,5kW | 64 □ | LTS32 VZV A4 | 1 | 0,20 |
| | 40A | 16kW | 64 □ | LTS40 VZV A4 | 1 | 0,20 |
| | 63A | 22kW | 64 □ | LTS63 VZV A4 | 1 | 0,26 |
| | 80A | 22kW | 64 □ | LTS80 VZV A4 | 1 | 0,26 |
| | 85A | 30kW | 64 □ | LTS85 VZV A4 | 1 | 0,45 |
| | 100A | 37kW | 64 □ | LTS100 VZV A4 | 1 | 0,45 |
| 125A | 45kW | 64 □ | LTS125 VZV A4 | 1 | 0,45 | |
| On-Off Switches 6-pole | | | | | | |
|   | 20A | 7,5kW | 64 □ | LTS20 VZV A6 | 1 | 0,32 |
| | 25A | 10kW | 64 □ | LTS25 VZV A6 | 1 | 0,32 |
| | 32A | 12,5kW | 64 □ | LTS32 VZV A6 | 1 | 0,32 |
| | 40A | 16kW | 64 □ | LTS40 VZV A6 | 1 | 0,32 |
| | 63A | 22kW | 64 □ | LTS63 VZV A6 | 1 | 0,37 |
| | 80A | 22kW | 64 □ | LTS80 VZV A6 | 1 | 0,37 |
| On-Off Switches 8-pole | | | | | | |
|   | 20A | 7,5kW | 64 □ | LTS20 VZV A8 | 1 | 0,34 |
| | 25A | 10kW | 64 □ | LTS25 VZV A8 | 1 | 0,34 |
| | 32A | 12,5kW | 64 □ | LTS32 VZV A8 | 1 | 0,34 |
| | 40A | 16kW | 64 □ | LTS40 VZV A8 | 1 | 0,34 |
| | 63A | 22kW | 64 □ | LTS63 VZV A8 | 1 | 0,45 |
| | 80A | 22kW | 64 □ | LTS80 VZV A8 | 1 | 0,45 |

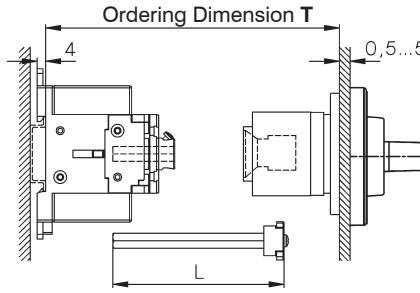
Switch Disconnecter, Base Mounting with Door Clutch for Single-Hole Mounting
 Depth X is adjustable (delivered with X_{max} see below), IP66, cUL_{us} Type 4X

Depth
Single Hole Mounting Ø22mm
LTS.. VZV..



| Type | X min | X max | L |
|-----------------|------------|-----------|----------|
| LTS20-80 VZV.. | 3, 4-polig | 91 - 190 | X - 40±3 |
| LTS20-80 VZV.. | 6, 8-polig | 111 - 190 | X - 60±3 |
| LTS85-125 VZV.. | 3, 4-polig | 95- 190 | X - 44±3 |

4-Hole Mounting
LTS.. V(HN).. (3, 4-pole)



| Type | T min | T max | L | Type | T min | T max |
|---------------|-----------|-------|----------|-----------|-----------|-------|
| LTS20-80 V.. | 111 - 190 | | T - 60±3 | LT160 V.. | 120 - 450 | |
| LTS85-125 V.. | 115 - 190 | | T - 64±3 | | | |

greater X- and T-Dimensions (max. 380mm for LTS..) on request

Switch Disconnecter, Base Mounting with Door Clutch for Hole Mounting
 Depth X is adjustable (delivered with T_{max} see above), IP66, cUL_{us} Type 4X

| | max. padlocks | AC21 690V | AC23 3x400V | Plate | Type | Pack pcs. | Weight kg/pcs. |
|--|---------------|-----------|-------------|-------|------|-----------|----------------|
|--|---------------|-----------|-------------|-------|------|-----------|----------------|

On-Off Switches 3-pole



| | | | | | |
|------|--------|--------------------|--------------|---|------|
| 20A | 7,5kW | 64 □ ¹⁾ | LTS20 V A3 | 1 | 0,20 |
| 25A | 10kW | 64 □ ¹⁾ | LTS25 V A3 | 1 | 0,20 |
| 32A | 12,5kW | 64 □ ¹⁾ | LTS32 V A3 | 1 | 0,20 |
| 40A | 16kW | 64 □ ¹⁾ | LTS40 V A3 | 1 | 0,20 |
| 63A | 22kW | 64 □ ¹⁾ | LTS63 V A3 | 1 | 0,24 |
| 80A | 22kW | 64 □ ¹⁾ | LTS80 V A3 | 1 | 0,24 |
| 85A | 30kW | 64 □ ¹⁾ | LTS85 V A3 | 1 | 0,40 |
| 100A | 37kW | 64 □ ¹⁾ | LTS100 V A3 | 1 | 0,40 |
| 125A | 45kW | 64 □ ¹⁾ | LTS125 V A3 | 1 | 0,40 |
| 160A | 55kW | 88 □ | LT160 V T300 | 1 | 1,38 |

On-Off Switches 4-pole




| | | | | | |
|------|--------|--------------------|--------------|---|------|
| 20A | 7,5kW | 64 □ ¹⁾ | LTS20 V A4 | 1 | 0,21 |
| 25A | 10kW | 64 □ ¹⁾ | LTS25 V A4 | 1 | 0,21 |
| 32A | 12,5kW | 64 □ ¹⁾ | LTS32 V A4 | 1 | 0,21 |
| 40A | 16kW | 64 □ ¹⁾ | LTS40 V A4 | 1 | 0,21 |
| 63A | 22kW | 64 □ ¹⁾ | LTS63 V A4 | 1 | 0,28 |
| 80A | 22kW | 64 □ ¹⁾ | LTS80 V A4 | 1 | 0,28 |
| 85A | 30kW | 64 □ ¹⁾ | LTS85 V A4 | 1 | 0,45 |
| 100A | 37kW | 64 □ ¹⁾ | LTS100 V A4 | 1 | 0,45 |
| 125A | 45kW | 64 □ ¹⁾ | LTS125 V A4 | 1 | 0,45 |
| 160A | 55kW | 88 □ | LT160 V T400 | 1 | 1,77 |

Add-on modules see page 297

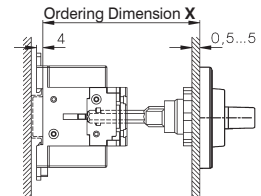
1) Types with padlock device 88¹⁾ type suffix **88**, ordering example: LTS32 VHN**488** A3, on request

Switch Disconnecter, Base Mounting with Door Clutch for Single-Hole Mounting
 Depth X is not adjustable, declare depth X when ordering, IP66, cULus Type 4X

| | max. padlocks | AC21 690V | AC23 3x400V | Plate | Type | Pack pcs. | Weight kg/pcs. |
|---|---------------|-----------|---------------|-------|-----------------|-----------|----------------|
| On-Off Switches 4-pole | | | | | | | |
|  | | 20A | 7,5kW | 64 □ | LTS20 VZ A4 X.. | 1 | 0,18 |
| | | 25A | 10kW | 64 □ | LTS25 VZ A4 X.. | 1 | 0,18 |
| | | 32A | 12,5kW | 64 □ | LTS32 VZ A4 X.. | 1 | 0,18 |
| | | 40A | 16kW | 64 □ | LTS40 VZ A4 X.. | 1 | 0,18 |
| | | 63A | 22kW | 64 □ | LTS63 VZ A4 X.. | 1 | 0,25 |
| | | 80A | 22kW | 64 □ | LTS80 VZ A4 X.. | 1 | 0,25 |


Declare depth X when ordering


| Type | Preference values for X |
|------------|---------------------------------------|
| LTS.. VZ.. | 80, 85, 104, 129 (tolerance -3, +1,5) |

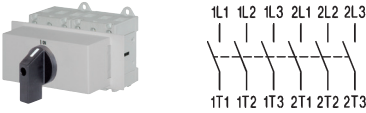


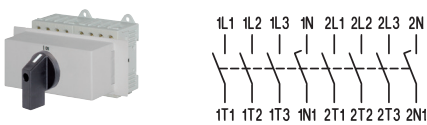
Add-on modules see page 297

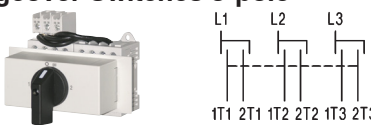
Switch Disconnectors for Distribution Boards, IP40, cULus Open Type

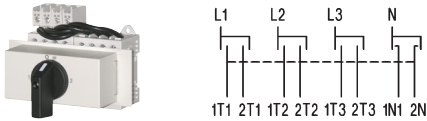
| | max. padlocks | AC21 690V | AC23 3x400V | Plate | Type | Pack pcs. | Weight kg/pcs. |
|---|---------------|-------------|---------------|---------------|--------------|-----------|----------------|
| On-Off Switches 3-pole | | | | | | | |
|  | | 20A | 7,5kW | 52x45 | LTS20 SMA A3 | 1 | 0,15 |
| | | 25A | 10kW | 52x45 | LTS25 SMA A3 | 1 | 0,15 |
| | | 32A | 12,5kW | 52x45 | LTS32 SMA A3 | 1 | 0,15 |
| | | 40A | 16kW | 52x45 | LTS40 SMA A3 | 1 | 0,15 |
| | | 63A | 22kW | 52x45 | LTS63 SMA A3 | 1 | 0,17 |
| | | 80A | 22kW | 52x45 | LTS80 SMA A3 | 1 | 0,17 |
| | 85A | 30kW | 78x45 | LTS85 SMA A3 | 1 | 0,37 | |
| | 100A | 37kW | 78x45 | LTS100 SMA A3 | 1 | 0,37 | |
| | 125A | 45kW | 78x45 | LTS125 SMA A3 | 1 | 0,37 | |

| | max. padlocks | AC21 690V | AC23 3x400V | Plate | Type | Pack pcs. | Weight kg/pcs. |
|---|---------------|-------------|---------------|---------------|--------------|-----------|----------------|
| On-Off Switches 4-pole | | | | | | | |
|  | | 20A | 7,5kW | 52x45 | LTS20 SMA A4 | 1 | 0,16 |
| | | 25A | 10kW | 52x45 | LTS25 SMA A4 | 1 | 0,16 |
| | | 32A | 12,5kW | 52x45 | LTS32 SMA A4 | 1 | 0,16 |
| | | 40A | 16kW | 52x45 | LTS40 SMA A4 | 1 | 0,16 |
| | | 63A | 22kW | 52x45 | LTS63 SMA A4 | 1 | 0,21 |
| | | 80A | 22kW | 52x45 | LTS80 SMA A4 | 1 | 0,21 |
| | 85A | 30kW | 78x45 | LTS85 SMA A4 | 1 | 0,42 | |
| | 100A | 37kW | 78x45 | LTS100 SMA A4 | 1 | 0,42 | |
| | 125A | 45kW | 78x45 | LTS125 SMA A4 | 1 | 0,42 | |


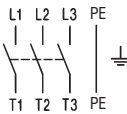

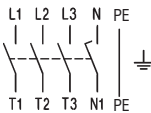

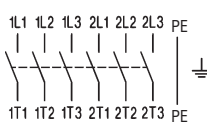

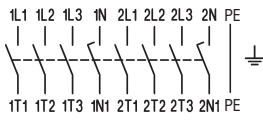

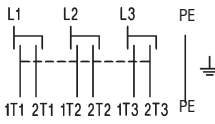

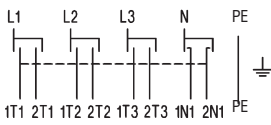
| | max. padlocks | AC21 690V | AC23 3x400V | Plate | Type | Pack pcs. | Weight kg/pcs. |
|---|---------------|-----------|---------------|-------|--------------|-----------|----------------|
| On-Off Switches 6-pole | | | | | | | |
|  | | 20A | 7,5kW | 52x45 | LTS20 SMA A6 | 1 | 0,29 |
| | | 25A | 10kW | 52x45 | LTS25 SMA A6 | 1 | 0,29 |
| | | 32A | 12,5kW | 52x45 | LTS32 SMA A6 | 1 | 0,29 |
| | | 40A | 16kW | 52x45 | LTS40 SMA A6 | 1 | 0,29 |
| | | 63A | 22kW | 97x45 | LTS63 SMA A6 | 1 | 0,34 |
| | | 80A | 22kW | 97x45 | LTS80 SMA A6 | 1 | 0,34 |

| | max. padlocks | AC21 690V | AC23 3x400V | Plate | Type | Pack pcs. | Weight kg/pcs. |
|---|---------------|-----------|---------------|--------|--------------|-----------|----------------|
| On-Off Switches 8-pole | | | | | | | |
|  | | 20A | 7,5kW | 97x45 | LTS20 SMA A8 | 1 | 0,31 |
| | | 25A | 10kW | 97x45 | LTS25 SMA A8 | 1 | 0,31 |
| | | 32A | 12,5kW | 97x45 | LTS32 SMA A8 | 1 | 0,31 |
| | | 40A | 16kW | 97x45 | LTS40 SMA A8 | 1 | 0,31 |
| | | 63A | 22kW | 126x45 | LTS63 SMA A8 | 1 | 0,42 |
| | | 80A | 22kW | 126x45 | LTS80 SMA A8 | 1 | 0,42 |

| | max. padlocks | AC21 690V | AC23 3x400V | Plate | Type | Pack pcs. | Weight kg/pcs. |
|---|---------------|-----------|---------------|-------|--------------|-----------|----------------|
| Changeover Switches 3-pole | | | | | | | |
|  | | 20A | 7,5kW | 97x45 | LTS20 SMA U3 | 1 | 0,30 |
| | | 25A | 10kW | 97x45 | LTS25 SMA U3 | 1 | 0,30 |
| | | 32A | 12,5kW | 97x45 | LTS32 SMA U3 | 1 | 0,30 |
| | | 40A | 16kW | 97x45 | LTS40 SMA U3 | 1 | 0,30 |
| | | 63A | 22kW | 97x45 | LTS63 SMA U3 | 1 | 0,35 |




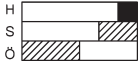


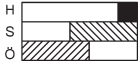


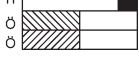







| | max. padlocks | AC21 690V | AC23 3x400V | Plate | Type | Pack pcs. | Weight kg/pcs. |
|---|---------------|-----------|---------------|--------|--------------|-----------|----------------|
| Changeover Switches 4-pole | | | | | | | |
|  | | 20A | 7,5kW | 97x45 | LTS20 SMA U4 | 1 | 0,32 |
| | | 25A | 10kW | 97x45 | LTS25 SMA U4 | 1 | 0,32 |
| | | 32A | 12,5kW | 97x45 | LTS32 SMA U4 | 1 | 0,32 |
| | | 40A | 16kW | 97x45 | LTS40 SMA U4 | 1 | 0,32 |
| | | 63A | 22kW | 126x45 | LTS63 SMA U4 | 1 | 0,43 |

Switch Disconnectors in Plastic Enclosure IP66, Type 4X




| | AC21 690V | AC23 3x400V | Plate | Type | Pack pcs. | Weighth kg/pcs. |
|---|-----------------------------------|----------------|-------|-------------------------------|--------------|--------------------|
| On-Off Switches 3-pole | | | | | | |
|   | 20A | 7,5kW | 64 □ | LTS20 PF(L ¹⁾) A3 | 1 | 0,30 |
| | 25A | 10kW | 64 □ | LTS25 PF(L ¹⁾) A3 | 1 | 0,30 |
| | 32A | 12,5kW | 64 □ | LTS32 PF(L ¹⁾) A3 | 1 | 0,30 |
| | 40A | 16kW | 64 □ | LTS40 PF(L ¹⁾) A3 | 1 | 0,30 |
| | 63A | 22kW | 64 □ | LTS63 PFL A3 | 1 | 0,58 |
| | 80A | 22kW | 64 □ | LTS80 PFL A3 | 1 | 0,58 |
| On-Off Switches 4-pole | | | | | | |
|   | 20A | 7,5kW | 64 □ | LTS20 PF(L ¹⁾) A4 | 1 | 0,31 |
| | 25A | 10kW | 64 □ | LTS25 PF(L ¹⁾) A4 | 1 | 0,31 |
| | 32A | 12,5kW | 64 □ | LTS32 PF(L ¹⁾) A4 | 1 | 0,31 |
| | 40A | 16kW | 64 □ | LTS40 PF(L ¹⁾) A4 | 1 | 0,31 |
| | 63A | 22kW | 64 □ | LTS63 PFL A4 | 1 | 0,62 |
| | 80A | 22kW | 64 □ | LTS80 PFL A4 | 1 | 0,62 |
| On-Off Switches 6-pole | | | | | | |
|   | 20A | 7,5kW | 64 □ | LTS20 PFL A6 | 1 | 1,39 |
| | 25A | 10kW | 64 □ | LTS25 PFL A6 | 1 | 1,39 |
| | 32A | 12,5kW | 64 □ | LTS32 PFL A6 | 1 | 1,39 |
| | 40A | 16kW | 64 □ | LTS40 PFL A6 | 1 | 1,39 |
| | 63A | 22kW | 64 □ | LTS63 PFL A6 | 1 | 1,42 |
| | 80A | 22kW | 64 □ | LTS80 PFL A6 | 1 | 1,42 |
| knockoutlets M50/40 +PF3/M50 on request | | | | | | |
| On-Off Switches 8-pole | | | | | | |
|   | 20A | 7,5kW | 64 □ | LTS20 PFL A8 | 1 | 1,44 |
| | 25A | 10kW | 64 □ | LTS25 PFL A8 | 1 | 1,44 |
| | 32A | 12,5kW | 64 □ | LTS32 PFL A8 | 1 | 1,44 |
| | 40A | 16kW | 64 □ | LTS40 PFL A8 | 1 | 1,44 |
| | 63A | 22kW | 64 □ | LTS63 PFL A8 | 1 | 1,50 |
| | 80A | 22kW | 64 □ | LTS80 PFL A8 | 1 | 1,50 |
| knockoutlets M50/40 +PF3/M50 on request | | | | | | |
| Changeover Switches 3-pole | | | | | | |
|   | 20A | 7,5kW | 64 □ | LTS20 PFL U3 | 1 | 1,39 |
| | 25A | 10kW | 64 □ | LTS25 PFL U3 | 1 | 1,39 |
| | 32A | 12,5kW | 64 □ | LTS32 PFL U3 | 1 | 1,39 |
| | 40A | 16kW | 64 □ | LTS40 PFL U3 | 1 | 1,39 |
| | 63A | 22kW | 64 □ | LTS63 PFL U3 | 1 | 1,42 |
| | Changeover Switches 4-pole | | | | | |
|   | 20A | 7,5kW | 64 □ | LTS20 PFL U4 | 1 | 1,44 |
| | 25A | 10kW | 64 □ | LTS25 PFL U4 | 1 | 1,44 |
| | 32A | 12,5kW | 64 □ | LTS32 PFL U4 | 1 | 1,44 |
| | 40A | 16kW | 64 □ | LTS40 PFL U4 | 1 | 1,44 |
| | 63A | 22kW | 64 □ | LTS63 PFL U4 | 1 | 1,50 |

1) PFL.... larger enclosure



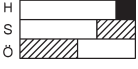

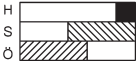










Add-on Modules for Main Switches, Panel Mounting and Single Hole Mounting

| | | for switch | Type | Pack pcs. | Weight kg/pcs. | |
|---|---|---|--|---|----------------|-----------------------|
|  | 4th Add-on Neutral Switching Pole | | | | | |
| | |  | LTS20 ... to LTS40 ... LTS63 ... , LTS80 ... | N40E N80E | 1 1 | 0,035 0,042 |
|  | Aux. Contact Block 1NO + 1NC | | | | | |
|  | |  | LTS20 ... to LTS125 ... | LH11 | 1 | 0,02 |
|  | Aux. Contact Block 1NO + 1NC Overlapping | | | | | |
|  | |  | LTS20 ... to LTS125 ... | LH11X | 1 | 0,02 |
|  | Aux. Contact Block 2NC | | | | | |
|  | |  | LTS20 ... to LTS125 ... | LH20V/02E | 1 | 0,02 |
|  | PE-Terminal | | | | | |
| | |  | LTS20 ... to LTS80 ... LT125 E.. to LT160 E.. | PE80E LTXX-E/E | 1 1 | 0,04 0,2 |
|  | N-Terminal | | | | | |
| | |  | LTS20 ... to LTS80 ... LT125 E.. to LT160 E.. | PEN80E LTXX-N/E | 1 1 | 0,04 0,2 |
|  | Terminal Cover 3-pole | | | | | |
| | | | LTS20 ... to LTS80 ... LTS85.. to LTS125. LT125.. to LT160.. | KLAD70 KLAD125 XX-KLAD3 | 1 1 1 | 0,005 0,01 0,02 |
|  | Terminal Cover for 4th pole | | | | | |
| | | | Mains Load circuit | LTS20 ... to LTS80.. LTS20 ... to LTS80.. KLAD70N KLAD70NI | 1 1 | 0,002 0,002 |
| | Terminal Cover 4-pole | | | | | |
| | | | LTS85.. to LTS125. LT125.. to LT160.. | KLAD125 XX-KLAD4 | 1 1 | 0,01 0,02 |

Accessories for Main Switches, Panel Mounting, Single Hole and Base Mounting

| | | for switch | Type | Pack pcs. | Weight kg/pcs. | |
|---|---|--|------------------------------|------------------|----------------|----------------|
|  | Additional Escutcheon Plate Yellow, Marked with: HAUPTSCHALTER | | | | | |
| | | for plate 48 ^r for plate 64 ^r | LTS.. .HN1.. LTS.. .HN4.. | A91501 E91501 | 1 1 | 0,003 0,005 |
|  | Additional Escutcheon Plate Yellow, Marked with: MAIN SWITCH | | | | | |
| | | for plate 48 ^r for plate 64 ^r | LTS.. .HN1.. LTS.. .HN4.. | A91524 E91524 | 1 1 | 0,003 0,005 |
|  | Tab Terminal 6,3 x 0,8mm | | | | | |
| | | LTS20 ... bis LTS40 ... | LG11073 | 10 | 0,001 | |

Add-on Modules for Main Switches, Base and Rail Mounting

| | | for switch | Type | Pack pcs. | Weight kg/pcs. | |
|---|---|--|---------------------|-----------|----------------|-------|
|  | 4th Add-on Neutral Switching Pole | | | | | |
| | | LTS20 ... , LTS40 ... LTS63 ... , LTS80 ... | N40V N80V | 1 1 | 0,035 0,042 | |
|  | Aux. Contact Block 1NO + 1NC | | | | | |
| |  | LTS20 ... to LTS125 ... | LH11 | 1 | 0,02 | |
|  | Aux. Contact Block 1NO + 1NC Overlapping | | | | | |
| |  | LTS20 ... to LTS125 ... | LH11X | 1 | 0,02 | |
|  | Aux. Contact Block 2NO | | | | | |
| |  | LTS20 ... to LTS80 ... | LH20V/02E | 1 | 0,02 | |
|  | PE-Terminal | | | | | |
| |  | LTS20 ... to LTS80 ... LT125 .. to LT160 .. | PE80V LTXX-E/V | 1 1 | 0,04 0,2 | |
|  | N-Terminal | | | | | |
| |  | LTS20 ... to LTS80 ... LT125 .. to LT160 .. | PEN80V LTXX-N/V | 1 1 | 0,04 0,2 | |
|  | Terminal Cover 3-pole | | | | | |
| | | LTS20 ... to LTS40 ... | KLAD40 | 1 | 0,005 | |
| | | LTS63 ... to LTS80 ... | KLAD70 | 1 | 0,005 | |
| | | LTS85.. to LTS125. | KLAD125 | 1 | 0,01 | |
| | | LT125.. to LT160.. | XX-KLAD3 | 1 | 0,02 | |
|  | Terminal Cover for 4th pole | | | | | |
| | Mains Load circuit | LTS63.., LTS80.. LTS63.., LTS80.. | KLAD70N KLAD70NI | 1 1 | 0,002 0,002 | |
|  | Terminal Cover 4-pole | | | | | |
| | | LTS20 ... to LTS40 ... | KLAD40 | 1 | 0,005 | |
| | | LTS85.. to LTS125. | KLAD125 | 1 | 0,01 | |
| | | LT125.. to LT160.. | XX-KLAD4 | 1 | 0,02 | |
|  | Additional Cover SMA for | | | | | |
| | 4. Pole | N40V, N80V | grey | LG8628-2 | 1 | 0,047 |
| | Aux. Contacts PE and N-Terminal | LH.. PE80V, PEN80V | yellow | LG8628-7 | 1 | 0,047 |

Technical Data

Data according to IEC 947-3, IEC 947-5-1, VDE 0660, EN 60947-3, EN 60947-5-1

| Type | LTS20 | LTS25 | LTS32 | LTS40 | LTS63 | LTS80 | LTS85 | LTS100 | LTS125 | LT160 | |
|--|-------------------------------------|------------------|---------|---------|-------------------------|---------|-------|--------------------|--------------------|--------------------|--------------------|
| Main contacts | | | | | | | | | | | |
| Rated thermal current I_{th} open | A | 20 | 25 | 32 | 40 | 63 | 80 | 85 | 100 | 125 | 160 |
| Rated thermal current I_{the} enclosed | A | 20 | 25 | 32 | 40 | 63 | 80 | 85 | 100 | 110 | 160 |
| Rated insulation voltage U_i ¹⁾ | V | 690 | 690 | 690 | 690 | 690 | 690 | 1000 ³⁾ | 1000 ³⁾ | 1000 ³⁾ | 1000 ³⁾ |
| Rated operational current I_e AC21A | A | 20 | 25 | 32 | 40 | 63 | 80 | 85 | 100 | 125 | 160 |
| Rated operational voltage U_e max. AC21A | V | 690 | 690 | 690 | 690 | 690 | 690 | 1000 | 1000 | 1000 | 690 |
| Making capacity I_{eff} 3x380-440V | A | 160 | 190 | 220 | 300 | 370 | 440 | 600 | 725 | 850 | 1050 |
| Breaking capacity 3x220-240V | A | 160 | 180 | 200 | 250 | 330 | 380 | 480 | 580 | 680 | 900 |
| 3x380-440V | A | 160 | 180 | 200 | 250 | 330 | 380 | 480 | 580 | 680 | 850 |
| 3x660-690V | A | 80 | 110 | 140 | 170 | 190 | 220 | 250 | 330 | 420 | 340 |
| Disconnection property performed up to | V | 690 | 690 | 690 | 690 | 690 | 690 | 1000 | 1000 | 1000 | 1000 |
| Motor Switch AC3 3x400V | A | 12 | 16 | 23 | 30 | 37 | 37 | 45 | 60 | 72 | 85 |
| Motor Switch AC3 3x220-240V | kW | 3 | 4 | 5,5 | 7,5 | 11 | 11 | 15 | 18,5 | 22 | 30 |
| Direct switching of single motors 3x380-440V | kW | 5,5 | 7,5 | 11 | 15 | 18,5 | 18,5 | 22 | 30 | 37 | 45 |
| 3x660-690V | kW | 5,5 | 7,5 | 11 | 15 | 18,5 | 18,5 | 22 | 30 | 37 | 37 |
| Main Switch AC23 3x400V | A | 16 | 20 | 25 | 32 | 45 | 45 | 60 | 72 | 85 | 110 |
| Motor Switch, AC23A, 3x220-240V | kW | 4 | 5,5 | 7,5 | 9 | 15 | 15 | 18,5 | 22 | 30 | 30 |
| Main Switch, AC23B 3x380-440V | kW | 7,5 | 10 | 12,5 | 16 | 22 | 22 | 30 | 37 | 45 | 55 |
| Safety Switch 3x660-690V | kW | 5,5 | 7,5 | 11 | 15 | 18,5 | 18,5 | 22 | 30 | 37 | 37 |
| Rated conditional short-circuit current 400V | kA _{eff} | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 5 | 30 |
| Max. fuse size gL (gG) 400V | A | 25 | 35 | 40 | 40 | 63 | 80 | 100 | 100 | 125 | 160 |
| Rated conditional short-circuit current 690V | kA _{eff} | 10 | 5 | 3 | 1 | 5 | 1,5 | 10 | 10 | 5 | - |
| Max. fuse size gL (gG) 690V | A | 20 | 25 | 32 | 40 | 63 | 80 | 85 | 100 | 125 | - |
| Mechanical life | x10 ³ | 200 | 200 | 200 | 200 | 100 | 100 | 100 | 100 | 100 | 100 |
| Rated short-time withstand current (1sec. current) | A | 250 | 300 | 400 | 500 | 600 | 850 | 1000 | 1200 | 1500 | 3000 |
| Power loss per P/pole [W] | E, Z | 0,322 | 0,503 | 0,824 | 1,288 | 2,739 | 4,416 | 3,851 | 5,330 | 8,328 | - |
| pole AC21 = I_{th} | V, SMA, PF | 0,364 | 0,569 | 0,933 | 1,458 | 2,739 | 4,416 | 3,851 | 5,330 | 8,328 | - |
| | R/pole [mOhm] | 0,805 | 0,805 | 0,805 | 0,805 | 0,690 | 0,690 | 0,533 | 0,533 | 0,533 | - |
| | V, SMA, PF | 0,911 | 0,911 | 0,911 | 0,911 | 0,690 | 0,690 | 0,533 | 0,533 | 0,533 | - |
| Maximum ambient temperature Operation open | -40°C to +60°C (90°C) ⁵⁾ | | | | | | | | | | |
| enclosed | -40°C to +40°C | | | | | | | | | | |
| Storage | -50°C to +90°C | | | | | | | | | | |
| Cable cross sections | mm ² | 0,5 - 10 | | | 1 - 25 ⁴⁾ | | | 4 - 50 | | | max.95 |
| solid or stranded | AWG | 20 - 8 (10) | | | 16 - 3 (10) | | | 10 - 00 (10) | | | max.3/0 |
| flexible | mm ² | 0,5 - 6 | | | 4 - 16 ⁴⁾ | | | 10 - 35 | | | max.70 |
| | AWG | 20 - 10 | | | 16 - 6 | | | 8 - 2 | | | max.2/0 |
| flexible (+ multicore cable end) | mm ² | 0,5 - 6 | | | 0,75 - 16 ⁴⁾ | | | 6 - 35 | | | max.50 |
| | AWG | 20 - 10 | | | 16 - 6 | | | 8 - 2 | | | max.1/0 |
| Size of terminal screw | | M3,5 | | | M5 | | | M6 | | | M10 |
| Tightening torque | Nm | 1,7 - 2,3 | | | 2,8 - 4 | | | 1,7 - 4,5 | | | 14 |
| Auxiliary contacts | | | | | | | | | | | |
| Rated insulation voltage U_i ¹⁾ | V | 690 | | | | 690 | | | 690 | | 690 |
| Rated thermal current I_{th} , I_{the} | A | 10 | | | | 10 | | | 10 | | 16 |
| Switching capacity AC15 380-450V | A | 2,5/1,5 | | | | 2,5/1,5 | | | 2,5/1,5 | | 6/4 |
| DC13 60-110V | A | 2/0,4 | | | | 2/0,4 | | | 2/0,4 | | - |
| Rated conditional short-circuit current | kA _{eff} | 3 | | | | 3 | | | 3 | | 3 |
| Max. short circuit protection gL (gG) | A | 10 | | | | 10 | | | 10 | | 16 |
| Cable cross sections | mm ² | 0,75 - 2,5 | | | 0,75 - 2,5 | | | 0,75 - 2,5 | | | max.4 |
| solid or stranded | AWG | 14 - 12 | | | 14 - 12 | | | 14 - 12 | | | max.12 |
| flexible (+ multicore cable end) | mm ² | 0,75 - 2,5 (1,5) | | | 0,75 - 2,5 (1,5) | | | 0,75 - 2,5 (1,5) | | | max.2,5 |
| | AWG | 18 - 14 | | | 18 - 14 | | | 18 - 14 | | | max.14 |
| Data according to UL and cUL | | | | | | | | | | | |
| Type | LTS20 | LTS25 | LTS32 | LTS40 | LTS63 | LTS80 | LTS85 | LTS100 | LTS125 | LT160 | |
| Rated voltage | V | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | |
| Ampere-Rating "General use" | A | 20 | 25 | 32 | 40 | 63 | 80 | 85 | 100 | 125 | |
| DOL-Rating 3-phase 110-120V | HP | 1 | 1,5 | 2 | 2 | 3 | 5 | 7,5 | 10 | 15 | |
| 220-240V | HP | 3 | 5 | 5 | 5 | 10 | 10 | 20 | 25 | 30 | |
| 440-480V | HP | 7,5 | 10 | 10 | 10 | 20 | 20 | 40 | 50 | 60 | |
| 550-600V | HP | 10 | 10 | 15 | 15 | 25 | 25 | 50 | 60 | 60 | |
| DOL-Rating 1-phase 110-120V | HP | 1 | 1 | 1 | 1 | 2 | 2 | 3 | 5 | 7,5 | |
| 200-208V | HP | 1 | 2 | 2 | 2 | 3 | 3 | 7,5 | 10 | 10 | |
| 220-240V | HP | 2 | 2 | 3 | 3 | 5 | 5 | 10 | 15 | 15 | |
| Fuse size (RK5) Manual Motor Controller | A | 40 | 50 | 50 | 70 | 90 | 110 | 125 | 125 | 125 | |
| 5kA / 600V Motor Disconnect | A | 40 | 50 | 50 | 50 | 70 | 70 | 125 | 125 | 125 | |
| Tightening torque | Nm | 1,7-2,3 | 1,7-2,3 | 1,7-2,3 | 1,7-2,3 | 2,8-4 | 2,8-4 | 1,7-4,5 | 1,7-4,5 | 1,7-4,5 | |
| | lb.inch | 11-20 | 11-20 | 11-20 | 11-20 | 24-35 | 24-35 | 15-40 | 15-40 | 15-40 | |

1) suitable for: earthed-neutral systems, overvoltage category I to III, pollution degree 3 (standard-industry): $U_{imp} = 6kV$.

2) Fuse RK1 / 10kA / 600V

3) $U_{imp} = 8kV$

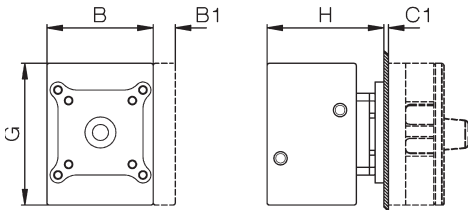
4) LTS63..U. stranded 16mm², flexible 10mm²

5) Derating acc. to cable cross sections

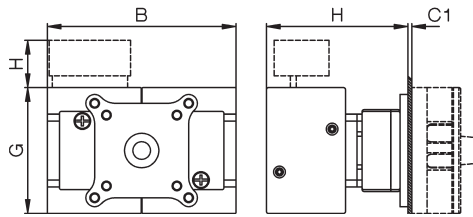
Dimensions (mm)

Main Switches, Switch Disconnectors LT(S)..

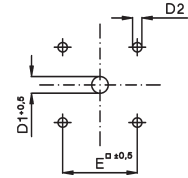
Panel mounting LT(S).. E(HN)..
ON-OFF Switches 3-pole, 4-pole



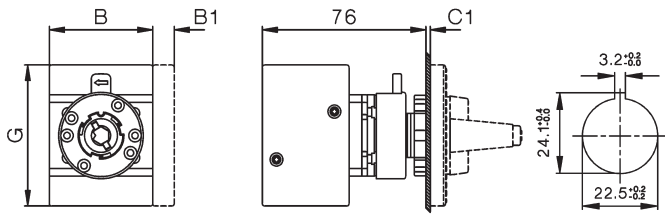
ON-OFF Switches 6-pole, 8-pole
Changeover Switches 3-pole, 4-pole



Mounting holes
Mounting screw: J3631N M=1,2-1,4 Nm

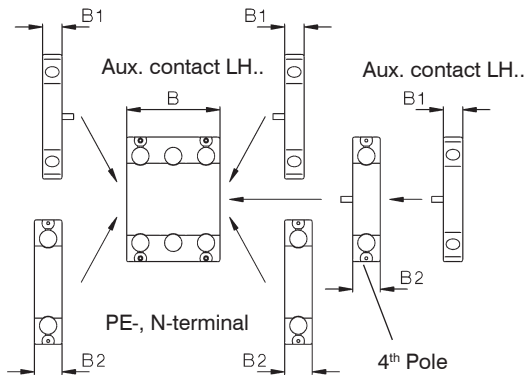


Single hole mounting LTS.. Z(HN)..
ON-OFF Switches 3-pole, 4-pole



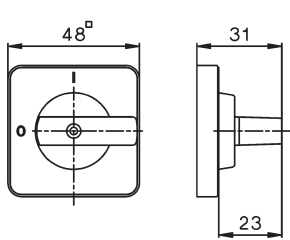
Mounting holes

Mounting of add-on modules LTS20 - LTS80
Panel mounting, Single hole mounting

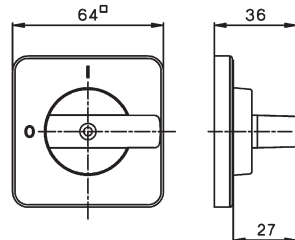


| Type | Changeover ON-OFF Escutch. plate or padlock device | 3-pole | | 4-pole | | aux. contact B1 | 4 Pole | | | | 3,4-pole | | | | | | |
|-------------|---|--------|-----|--------|-----|-----------------------|--------|----------|-----|-------|----------|----|------|-----|-----------------------|-----------------------|----|
| | | A | B | B | B | | B | PE B2 | C1 | D1 | D2 | E | F | G | 3-pole 4-pole X | 6-pole 8-pole X | H |
| LTS20-80.. | 48 □, SV1 | 48 | 48 | 62,5 | - | - | 10 | 14,5 | 1-5 | 9 | 5 | 36 | - | 64 | 54 | - | 24 |
| LTS20-80.. | 64 □, SV4, SV164 | 64 | 48 | 62,5 | 97 | 126 | 10 | 14,5 | 1-5 | 9 | 5 | 48 | - | 64 | 54 | 74 | 24 |
| LTS85-125.. | 64 □, SV4 | 64 | 78 | 78 | - | - | 10 | - | 1-5 | 9 | 5 | 48 | - | 85 | 60 | - | - |
| LTS85-125.. | 88 □, SV488 | 88 | 78 | 78 | - | - | 10 | - | 1-5 | 9 | 6 | 68 | - | 85 | 60 | - | - |
| LT160 | 88 □, SV34 | 88 | 112 | 150 | 224 | - | - | - | 1-4 | 13-17 | 6 | 68 | 49,3 | 108 | 96 | 98 | - |

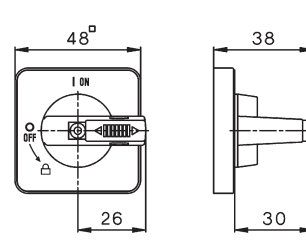
Escutcheon plate
48 □



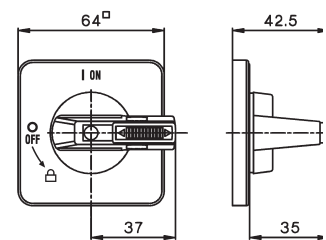
64 □



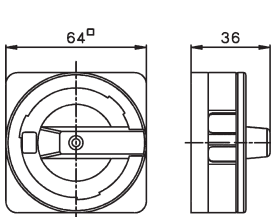
Padlock devices
SV1



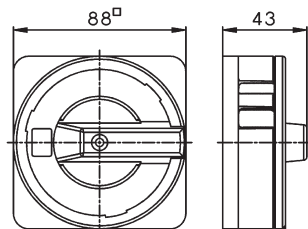
SV164



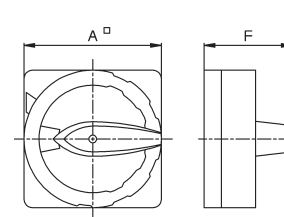
Padlock devices
SV4



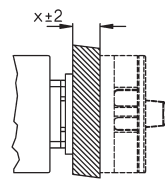
SV488



SV34



Extended Switch Shaft
+ VW"x"

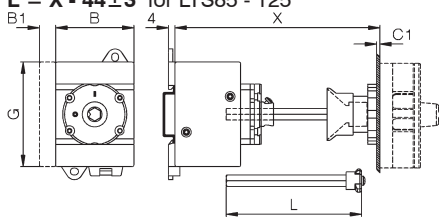


Dimensions (mm)

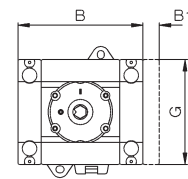
Main Switches, Switch Disconnectors LT(S)..

Base mounting LTS.. VZV(HN)..
ON-OFF Switches 3-pole, 4-pole

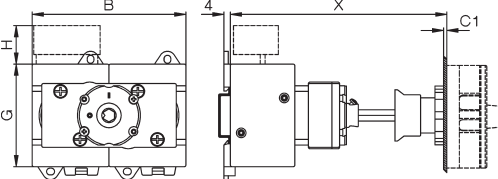
L = X - 40 ± 3 for LTS20 - 80
L = X - 44 ± 3 for LTS85 - 125



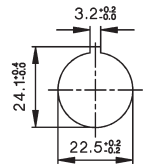
6-pole
for LTS20 - 40 only
L = X - 40 ± 3



ON-OFF Switches 6-pole, 8-pole
Changeover Switches 3-pole, 4-pole
L = X - 60 ± 3

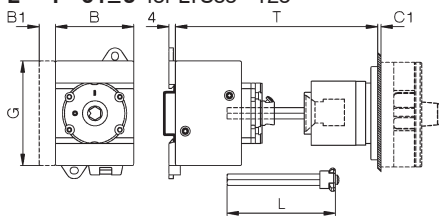


Mounting holes

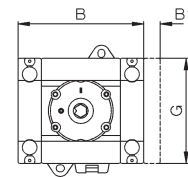


Base mounting LT(S).. V(HN)..
ON-OFF Switches 3-pole, 4-pole

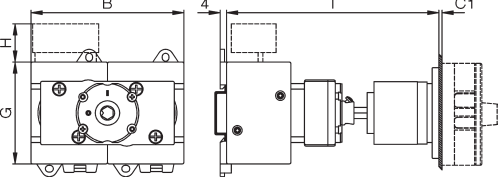
L = T - 60 ± 3 for LTS20 - 80
L = T - 64 ± 3 for LTS85 - 125



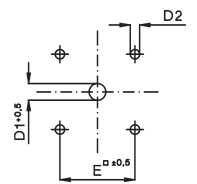
6-pole
for LTS20 - 40 only
L = T - 60 ± 3



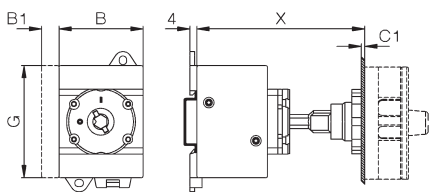
ON-OFF Switches 6-pole, 8-pole
Changeover Switches 3-pole, 4-pole
L = T - 80 ± 3 for LTS20 - 80 only



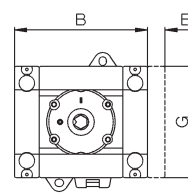
Mounting holes



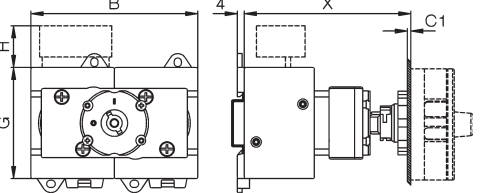
Base mounting LTS.. VZ(HN)..
ON-OFF Switches 3-pole, 4-pole
Preference values for X: 80, 85, 104, 129



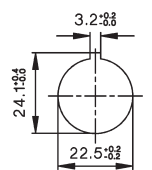
6-pole
for LTS20 - 40 only



ON-OFF Switches 6-pole, 8-pole
Changeover Switches 3-pole, 4-pole

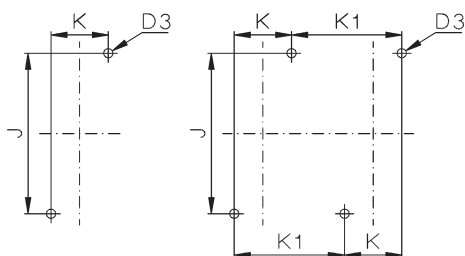


Mounting holes

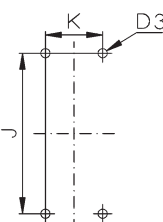


| Type | Changeover ON-OFF Escutch. plate or padlock device | 3-pole | | | | 3,4-pole | | 4 Pole | | | | Mounting holes | | | | | | |
|-------------|--|--------|-----|------|-----|----------|----|-----------------|-------|-----|---------------------|----------------|----|----|-----|----|----|-----|
| | | A | B | B | B | B | B | aux. contact B1 | PE B2 | H | C1 | D1 | D2 | D3 | E | G | K | K1 |
| LTS20 - 40 | 64 □, SV4, SV164 | 64 | 48 | 48 | 77 | 97 | 10 | 14,5 | 24 | 1-5 | 9 | 5 | M4 | 48 | 64 | 25 | 48 | 70 |
| LTS63, 80 | 64 □, SV4, SV164 | 64 | 48 | 62,5 | 97 | 126 | 10 | 14,5 | 24 | 1-5 | 9 | 5 | M4 | 48 | 64 | 25 | 48 | 70 |
| LTS85-125.. | 64 □, SV4 | 64 | 78 | 78 | - | - | 10 | - | - | 1-5 | 9 | 5 | M4 | 48 | 85 | 38 | - | 90 |
| LT125/160 | 88 □, SV34 | 88 | 112 | 150 | 224 | - | - | - | - | 1-4 | 13/27 ²⁾ | 6 | M6 | 68 | 108 | 36 | - | 120 |

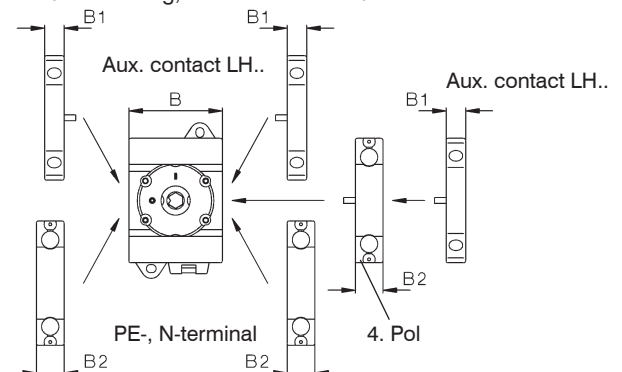
Base mounting
ON-OFF Switches LTS20 - LTS80
3-pole, 4-pole
6-pole LTS20 - 40



LTS85-125, LT160
3-pole, 4-pole



Mounting of Accessories LTS20 - LTS80
Base mounting, for distribution boards



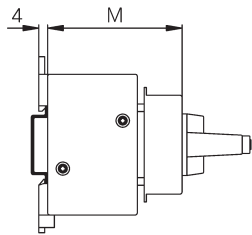
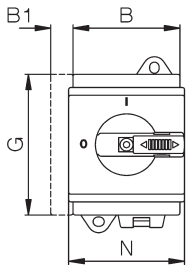
1) Ø 22-25 for LT80(100) VH(N)34 .. only
2) Ø 26-30 for LT125(160) VH(N)34 .. only

Dimensions (mm)

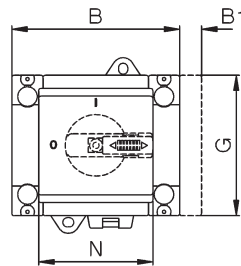
Main Switches, Switch Disconnectors LT(S)..

Installation cover LT(S).. SMA(HN)..

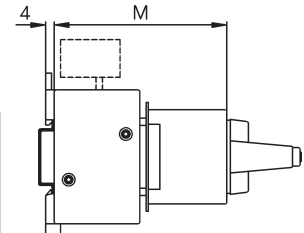
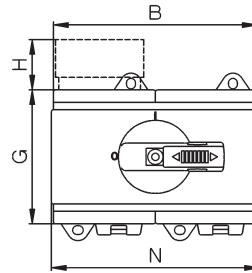
ON-OFF Switches 3-pole, 4-pole



ON-OFF Switches 6-pole
for LTS20 - 40 only



ON-OFF Switches 6-pole, 8-pole
Changeover Switches 3-pole, 4-pole



| Type | padlock device | Changeover ON-OFF | | | | | | G | 3,4-pole | | | 3,4-pole | | | H |
|-------------|----------------|-------------------|--------|--------|--------|--------------|-----------|----|---------------|--------|--------|---------------|------------------|-------------------|----|
| | | 3-pole | 4-pole | 6-pole | 8-pole | aux. contact | 4.pole PE | | 3-pole 4-pole | 6-pole | 8-pole | 3-pole 4-pole | 6-pole | 8-pole | |
| | | B | B | B | B | B1 | B2 | M | | M | M | N | N | N | |
| LTS20 - 40 | SV1, SV164 | 48 | 48 | 77 | 96 | 10 | 14,5 | 64 | 60 | 60 | 74 | 52 | 52 | 97 ²⁾ | 24 |
| LTS63, 80 | SV1, SV164 | 48 | 62,5 | 96 | 125 | 10 | 14,5 | 64 | 60 | 79 | 79 | 52 | 97 ²⁾ | 126 ¹⁾ | - |
| LTS85-125.. | SV164 | 78 | 78 | - | - | 10 | - | 85 | 60 | - | - | 78 | - | - | - |

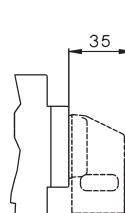
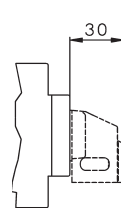
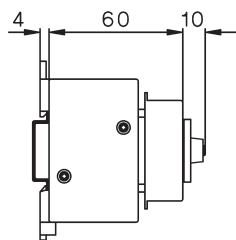
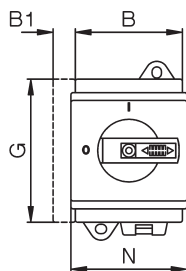
Installation cover with low height handle LTS SMAHN1.. +SV1N

Main switch 3-pole, 4-pole

LTS20 - LTS80

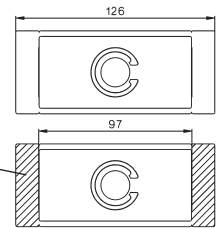
Padlock device SV1

Padlock device SV164



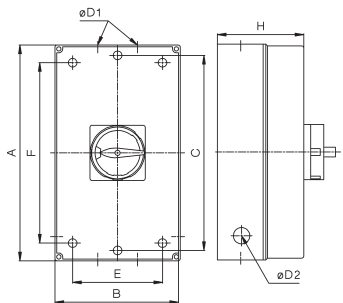
1) Original cover

2) Remove cover parts



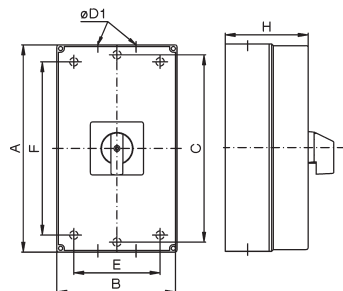
Maintenance and Safety Switches LT(S)..PF..

| Type | pole | size | A | B | C | D1 | D2 | E | F | H |
|--|------|------|-----|-----|-------|--------------------------|------|-----|-----|-----|
| LTS20 PFH.. A. - LTS40 PFH.. A. ³⁾ | 3, 4 | PF1 | 130 | 98 | 120 | 2x25,5/20,5 | - | 75 | 100 | 76 |
| LTS20 PFLH.. A., LTS40 PFLH A. ³⁾ | 3, 4 | PFL | 180 | 98 | 170 | 2x25,5/20,5 / 16,5/12,5- | - | 75 | 150 | 76 |
| LTS20 PFLH.. A. - LTS40 PFLH.. A. ⁴⁾ | 6 | PFL2 | 200 | 140 | 188,5 | 40,5/32,5+16,5+12,5 - | - | 100 | 160 | 86 |
| LTS63 PFLH.. A. - LTS80 PFLH.. A. ⁴⁾ | 3, 4 | PFL2 | 200 | 140 | 188,5 | 40,5/32,5+16,5+12,5 - | - | 100 | 160 | 86 |
| LTS85 PFLH.. A. - LTS125 PFLH.. A. ⁵⁾ | 3, 4 | PFL2 | 200 | 140 | 188,5 | 40,5/32,5+16,5+12,5 - | - | 100 | 160 | 86 |
| suffix + PF3 | 3, 4 | PFL3 | 240 | 176 | 228,5 | 2x40,5/32,5 | - | 120 | 200 | 120 |
| suffix + PF3/M50 | 3, 4 | PFL3 | 240 | 176 | 228,5 | 50,5/40,5 | - | 120 | 200 | 120 |
| LTS20 PFLH.. A. - LTS40 PFLH.. A. ⁵⁾ | 8 | PFL3 | 240 | 176 | 228,5 | 2x40,5/32,5 | - | 120 | 200 | 120 |
| LTS63 PFLH.. A. - LTS80 PFLH.. A. ⁵⁾ | 6, 8 | PFL3 | 240 | 176 | 228,5 | 2x40,5/32,5 | - | 120 | 200 | 120 |
| suffix + M50 | 6, 8 | PFL3 | 240 | 176 | 228,5 | 50,5/40,5 | - | 120 | 200 | 120 |
| LT160 PF.. | 3 | PF4 | 300 | 200 | - | 2x50,5 | 25,5 | 172 | 272 | 172 |
| LT160 PF.. | 4 | PF5 | 300 | 280 | - | 2x50,5 | - | 254 | 254 | 180 |



Switch Disconnectors in Plastic Enclosure LTS..PF..

| Type | pole | size | A | B | C | D1 | E | F | H |
|--|------|------|-----|-----|-------|-------------------------|-----|-----|-----|
| LTS20 PF A., LTS40 PF A. ³⁾ | 3, 4 | PF1 | 130 | 98 | 121 | 2x25,5/20,5 | 75 | 100 | 76 |
| LTS20 PFL A., LTS40 PFL A. ³⁾ | 3, 4 | PFL | 180 | 98 | 170 | 2x25,5/20,5 / 16,5/12,5 | 75 | 150 | 76 |
| LTS63 PFL A., LTS80 PFL A. ⁴⁾ | 3, 4 | PFL2 | 200 | 140 | 188,5 | 40,5/32,5+16,5+12,5 | 100 | 160 | 86 |
| suffix + PF3 | 3, 4 | PFL3 | 240 | 176 | 228,5 | 2x40,5/32,5 | 120 | 200 | 120 |
| suffix + PF3/M50 | 3, 4 | PFL3 | 240 | 176 | 228,5 | 50,5/40,5 | 120 | 200 | 120 |



Max. quantity of poles + aux. contacts in enclosure:

3) LTS40 PF. A5 + LH11

4) LTS40 PFL.. A6, LTS80 PFL.. A5 + LH11, LTS125 PFL.. A4 + LH11

5) LTS40 PFL.. A10, LTS40 PFL.. U4 + LH11, LTS80 PFL.. A8, LTS80 PFL.. A6 + LH11, LTS40 PFL.. U3 + LH11, LTS125 PFL.. A4+LH11