

Type: **LS-11S**
 Article No.: **266105**
 Sales text **Plunger, snap-action contact**

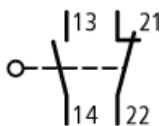


Basic unit

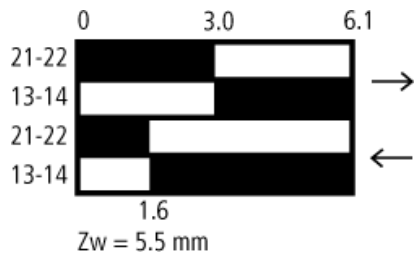
Ordering information

| | | | |
|--|--|--|---------------------------------|
| Description | | | Expandable with operating heads |
| Auxiliary contacts: = safety function, by positive opening to IEC/EN 60947-5-1 | | | |
| N/O = Normally open | | | 1 N/O |
| N/C = Normally closed | | | 1 N/C |
| Function | | | Snap-action contact |
| Housing | | | Insulated material |
| Terminal connection | | | Cage Clamp |

Contact sequence



Contact diagram



Colour of enclosure cover



Note concerning the product

EN 50047

Form B

Notes concerning the table header

Contact travel

- = contact closed
- = contact open
- ▒ = setting range

Notes concerning the product group

Cage Clamp is a registered trademark of Wago Kontakttechnik, 32432 Minden, Germany.

| General | | | |
|--|-----------|-----------------|--|
| Standards | | | IEC/EN 60947 |
| Climatic proofing | | | Damp heat, constant, to IEC 60068-2-78; damp heat, cyclical, to IEC 60068-2-30 |
| Ambient temperature | | °C | ... 25...+70 |
| Mounting position | | | As required |
| Protection type | | | IP66, IP67 |
| Terminal capacity of screw terminal and Cage Clamp | | | |
| Solid | | mm ² | 1 × (0.5 – 2.5) |
| Flexible with ferrules to DIN 46228 | | mm ² | 1 × (0.5 – 1.5) |
| Contacts/switching capacity | | | |
| Rated impulse withstand voltage | U_{imp} | V AC | 4000 |
| Rated insulation voltage | U_i | V | 400 |

| | | | |
|--|--------------|-------------------|---|
| Overvoltage category/pollution degree | | | III/3 |
| Rated operational current | | | |
| AC-15 | | | |
| 24 V | I_e | A | 6 |
| 230 V/240 V | I_e | A | 6 |
| 400 V/415 V | I_e | A | 4 |
| DC-13 | | | |
| 24 V | I_e | A | 3 |
| 110 V | I_e | A | 0,8 |
| 220 V | I_e | A | 0,3 |
| Control circuit reliability | | | |
| at 24 V DC/5 mA | H_F | Fault probability | $< 10^{-7}$, < 1 fault in 10 ⁷ operations |
| at 5 V DC/1 mA | H_F | Fault probability | $< 10^{-6}$, < 1 failure at 5 × 10 ⁶ operations |
| Supply frequency | | Hz | max. 400 |
| Short-circuit rating to IEC/EN 60947-5-1 | | | |
| max. fuse | | A gG/gL | 6 |
| Repetition accuracy | | mm | 0,02 |
| Mechanical variables | | | |
| Lifespan | | | |
| Standard-action contact | Operations | × 10 ⁶ | 8 |
| Snap-action contact | Operations | × 10 ⁶ | 8 |
| Contact temperature of roller head | | °C | 100 |
| Mechanical shock resistance (half-sinusoidal shock, 20 ms) | | | |
| Standard-action contact | | g | 25 |
| Operating frequency | Operations/h | | 6000 |
| Actuation | | | |
| Mechanical | | | |
| Actuating force at beginning/end of stroke | | | |
| Basic units | | N | 1.0/8.0 |
| LS(M)-XP | | N | 1.0/8.0 |
| LS(M)-XL | | N | 1.0/8.0 |
| LS(M)-XLA | | N | 1.0/8.0 |
| Actuating torque of rotary drives | | Nm | 0,2 |
| | | | |

| | | | |
|------------------------------------|-------------------|-----|-------|
| Max. operating speed with DIN cam | | | |
| Basic units for angle of actuation | = 0°/30° | m/s | 1/0.5 |
| LS(M)–XRL for angle of actuation | = 0° | m/s | 1,5 |
| LS(M)–XRLA for angle of actuation | = 30°, L = 125 mm | m/s | 1,5 |
| LS(M)–XRR for | L = 130 mm | m/s | 1,5 |
| LS(M)–XL for angle of actuation | = 30°/45° | m/s | 1 |
| LS(M)–XLA for angle of actuation | = 30°/45° | m/s | 1 |
| LS(M)–XP for angle of actuation | = 0°/30° | m/s | 1/1 |

Notes

Notes

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Accessories for the Cage Clamp terminals from Wago:

Jumper insert, grey, Wago article no. 264–402

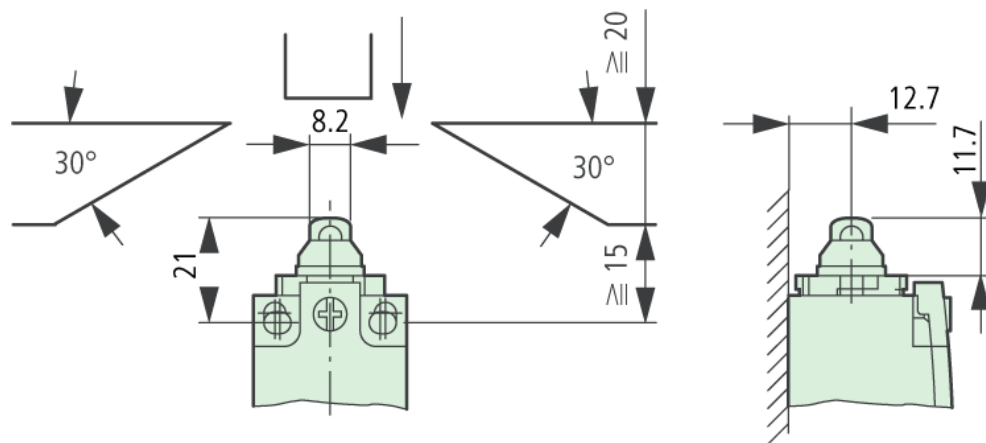
Tightening torque of cover screws: 0.8 Nm ±0.2 Nm

only with LS (insulated version)

Fixing screws 2 x M4 30

$M_A = 1.5 \text{ Nm}$

Dimensions



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