

Type: **LS-11**  
 Article No.: **266109**  
 Sales text **Plunger**

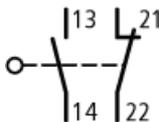


Basic unit

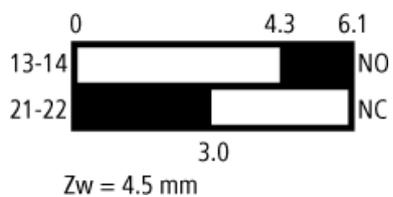
### Ordering information

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
Housing			Insulated material
Terminal connection			Cage Clamp

### Contact sequence



### Contact diagram



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## Colour of enclosure cover



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## Note concerning the product

EN 50047

Form B

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## 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.

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### 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 <sup>2</sup>	1 × (0.5 – 2.5)
Flexible with ferrules to DIN 46228		mm <sup>2</sup>	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 <sup>7</sup> operations
at 5 V DC/1 mA	$H_F$	Fault probability	$< 10^{-6}$ , < 1 failure at 5 × 10 <sup>6</sup> 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
<b>Mechanical variables</b>			
Lifespan			
Standard-action contact	Operations	× 10 <sup>6</sup>	8
Snap-action contact	Operations	× 10 <sup>6</sup>	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
<b>Actuation</b>			
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

Cage Clamp is a registered trademark of Wago Kontakttechnik, 32423 Minden, Germany.

Accessories for the Cage Clamp terminals from Wago:

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

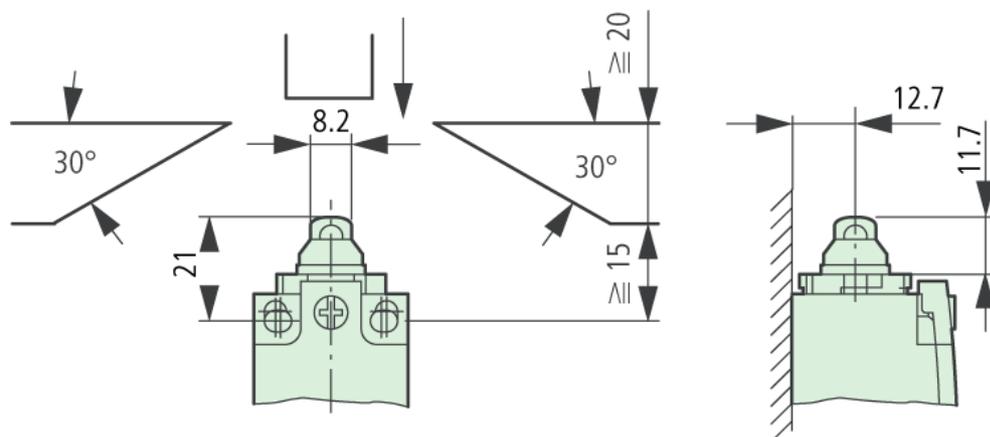
Tightening torque of cover screws: 0.8 Nm ±0.2 Nm

only with LS (insulated version)

Fixing screws 2 x M4 30

$M_A = 1.5 \text{ Nm}$

### Dimensions



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