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**MOELLER** 

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 

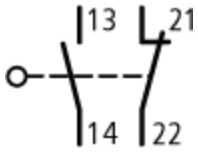
Housing

Insulated material

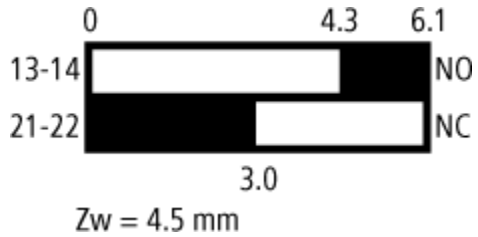
Terminal connection

Cage Clamp

**Contact sequence**




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**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

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**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-

Ambient temperature	°C	2-30	... 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)	
<b>Contacts/switching capacity</b>			
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	$\alpha = 0^\circ/30^\circ$	m/s	1/0.5
LS(M)-XRL for angle of actuation	$\alpha = 0^\circ$	m/s	1,5
LS(M)-XRLA for angle of actuation	$\alpha = 30^\circ$ , 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	$\alpha = 30^\circ/45^\circ$	m/s	1
LS(M)-XLA for angle of actuation	$\alpha = 30^\circ/45^\circ$	m/s	1
LS(M)-XP for angle of actuation	$\alpha = 0^\circ/30^\circ$	m/s	1/1

### Notes

### Notes

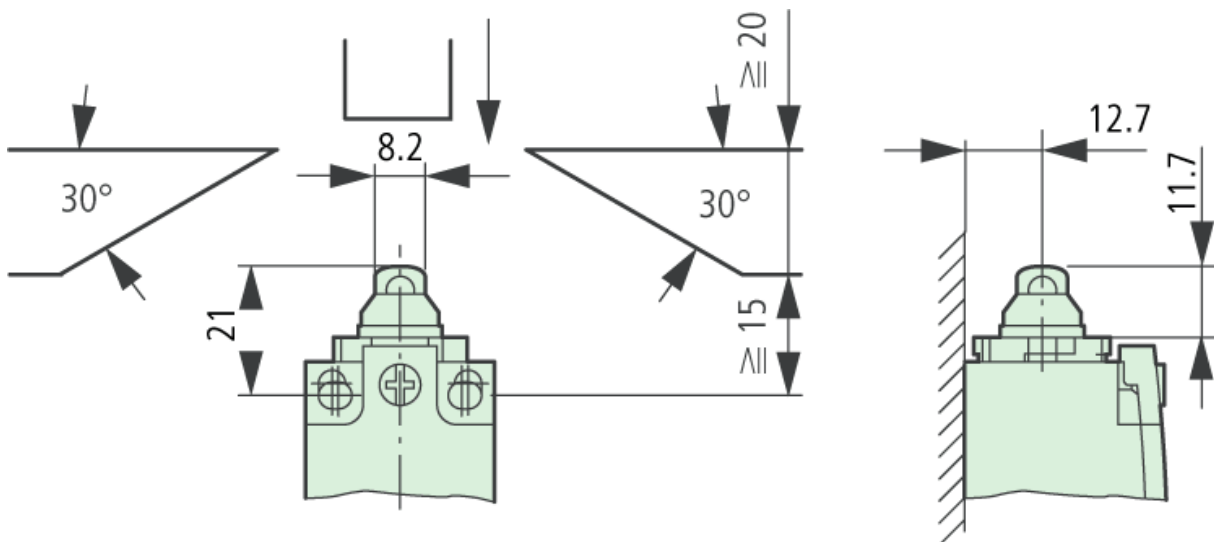
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Accessories for the Cage Clamp terminals from Wago:

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

- ① Tightening torque of cover screws: 0.8 Nm  $\pm$ 0.2 Nm
  - ② only with LS (insulated version)
  - ③ Fixing screws 2 x M4  $\cong$  30
- $M_A = 1.5$  Nm

### Dimensions



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