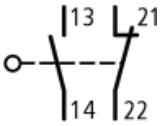
MOELLER

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

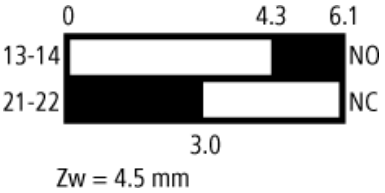
Basic unit

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



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 107 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

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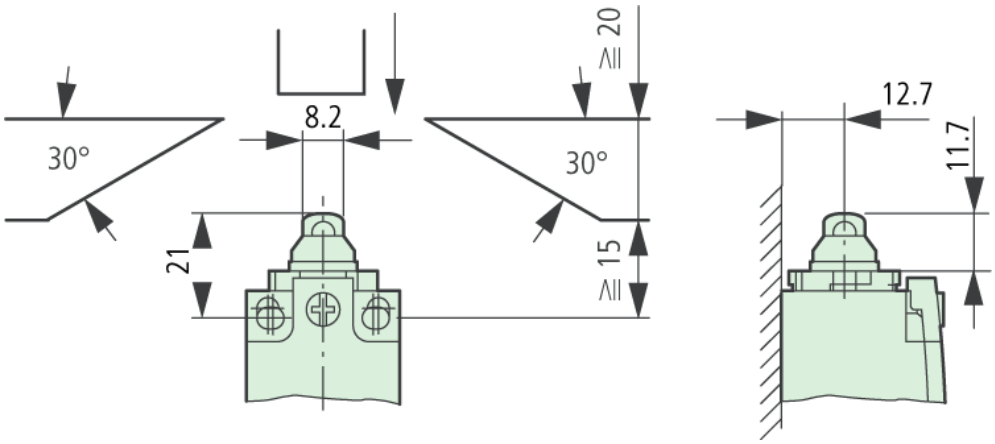
Accessories for the Cage Clamp terminals from Wago:

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 Nm

Dimensions



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