

Type: **LSE-11**

Article No.: **266121**

Sales text **CB electr.adjustable,1M+1B**



Basic unit

Visible status display, comparable with positive opening function

Conditional short-circuit, restart after reset

Ordering information

Auxiliary contacts: = safety function, by positive opening to IEC/EN 60947-5-1

N/O = Normally open

1 N/O

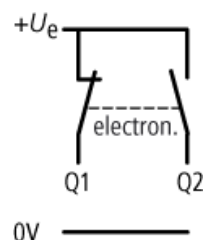
N/C = Normally closed

1 N/C

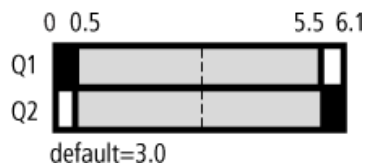
Housing

Insulated material

Contact sequence



Contact diagram

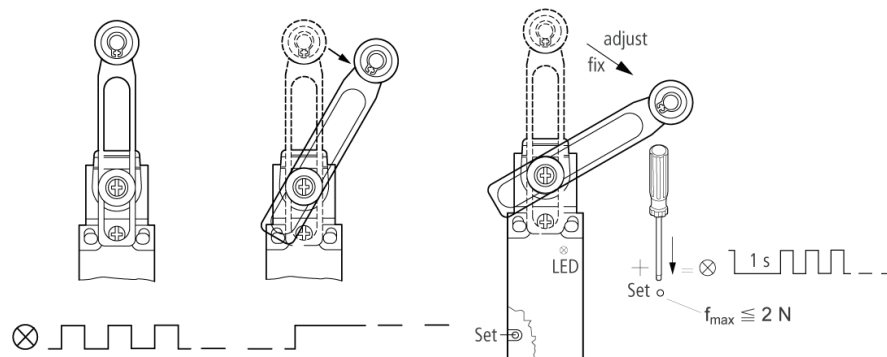


Colour of enclosure cover



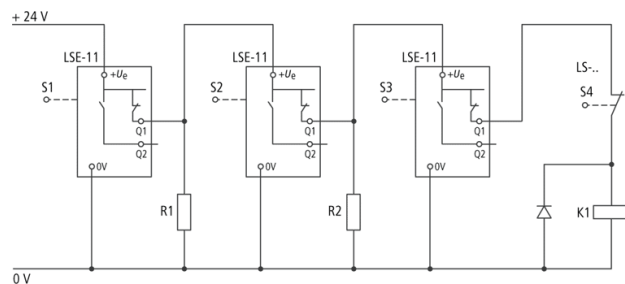
Note concerning the product

LSE-11 and LSE-02: Individual operating point adjustment:



circuit example for series connection:

LSE-11 and LSE-02 can be used in safety circuits



S1 is connected to 24 V DC

S2, S3 each switch with a delay of 0.7 s

R1, R2 e.g. series element M22-XLED60 (2820 Ω /0.5 W)

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 EN 61000-4
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)
Power supply			
Rated voltage	U_e	V DC	12 – 30
Rated operational current			
12 V	I_e	A	0,015
24 V	I	mA	18
30 V	I	A	0,019
Contacts/switching capacity			
Overvoltage category/pollution degree			III/3
Rated operational current			
DC-13			
24 V	I_e	A	0,2
Repetition accuracy		mm	0,02
Mechanical variables			
Lifespan			
Snap-action contact	Operations	× 10 ⁶	3 (electronic)
Contact temperature of roller head		°C	100
Mechanical shock resistance (half-sinusoidal shock, 20 ms)			
Basic unit		g	30
Operating frequency	Operations/h		3000

Switching point			0.5 – 5.5 mm, freely adjustable
Hysteresis		mm	0.4
Contact sequence (contact closed open Zw = positive opening clearance)		mm	0.04
Actuation			
Mechanical			
Actuating force at beginning/end of stroke			
Basic units		N	3.5/8.0
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
Electromagnetic compatibility (EMC)			
Electrostatic discharge (IEC/EN 61000–4–2, Level 3, ESD)			
Air discharge		kV	8
Contact discharge		kV	4
Electromagnetic fields (IEC/EN 61000–4–3, RFI)		V/m	10
Burst pulses (IEC/EN 61000–4–4, level 3)			
Supply cables		kV	2
Signal lines		kV	2
High–energy pulses (surge) (IEC/EN 61000–4–5)		kV	0.5
Immunity to line–conducted interference to (IEC/EN 61000–4–6)		V	10
Notes			

Notes

The following applies for LSE–11 and LSE–02: ensure that the power supply operates correctly when setting the operating point.

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: $0.8 \text{ Nm} \pm 0.2 \text{ Nm}$
only with LS (insulated version)
Fixing screws 2 x M4 30
 $M_A = 1.5 \text{ Nm}$

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