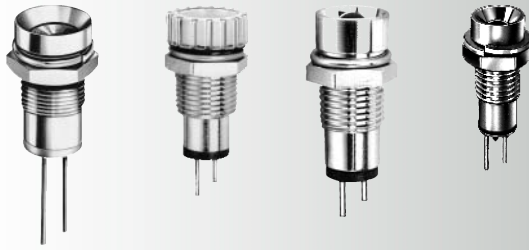


9

LEDs

LED Indicators

176



LED-Indicators



LED-INDICATORS – red section

We offer a complete range of high-quality bracket indicators. Diodes are carefully selected for constant colour and brightness, housings are solid brass and chromium-plated.

LED-Indicators

Ø 7 mm



Ø 7 mm



Ø 10,5 mm



Ø 9 mm
superbright



Ø 12,2 mm
waterproof



Ø 7 mm
tricoloured



Ø 9 mm
tricoloured



Ø 9 mm
flashing



Ø 12,2 mm
waterproof



with lead and
connector



LED-Indicators

Specifications:									
Models	P Power dissipation (mW)	V _F Forward voltage (V) ¹	I _F Forward current (mA)	I _V Luminous intensity (mcd) at I _F = 10 mA	λ _P Peak emission wavelength (nm) ¹	V _R Reverse voltage (V)	I _R Reverse current (μA) at V _R = 3 V	T _{OP} Operating temperature (°C)	
LD 30 LD 32	85	2,1 typ. 3,0 max.	20 25	1,8	700	5,0	100	- 40 + 85	
LD 34		2,0 typ. 2,2 max.	20 40	20 ⁴	630			4,0	10
LD 36 LDE 36 ³	100	1,7 typ. 2,0 max.	20 50	20 30	660	4,0	100	- 30 + 85	
LD 40 LD 42		2,1 typ. 3,0 max.	20 25	3,2	555			5,0	100
LD 44	110	2,0 typ. 2,1 max.	25 45	8 ⁴	565	4,0	10	- 30 + 70	
LD 46 LDE 46 ³		2,1 typ. 2,5 max.	20 50	8 12	555			4,0	100
LD 60 LD 62	85	2,1 typ. 3,0 max.	20 25	2,7	600	5,0	100	- 40 + 85	
LD 64		2,1 typ. 2,2 max.	35 50	10 ⁴	585			4,0	10
LD 66 LDE 66 ³	125	2,2 typ. 2,5 max.	20 50	16 24	580	4,0	100	- 30 + 85	
LD 70 LD 72		2,7 typ. 3,0 3,3 max.	20 50	0,9 ⁴	470			5,0	30
LD 53	70	2,0 typ. 2,6 max.	10 30	0,5 1,0	632	3,0	10	- 25 + 85	
		1,9 typ. 2,4 max.	20 30	0,25 0,5	558			3,0	10
Combination red / green									
LD 56	45	2,1 typ. 3,0 max.	10 20	2,2	700	5,0	100	- 40 + 85	
		2,1 typ. 3,0 max.	10 25	3,9	555			5,0	100
Combination red / green									
LD 96 flashing	200			0,5 ² 1,6 ²	660	0,4		- 40 + 70	

¹ with typical forward current
² at V_S = 5 V

³ Water proofing at 30 minutes at 1 m water column = IP 67.
⁴ at I_F = 20 mA

LED-Indicators



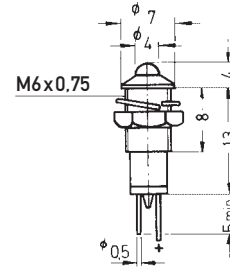
Models:

Light colour

Housing

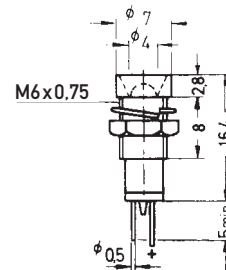
Dimensions

LD 30	
LD 40	brass
LD 60	chromium-plated
LD 70	
LD 30 S	
LD 40 S	brass
LD 60 S	black, matt finish
LD 70 S	



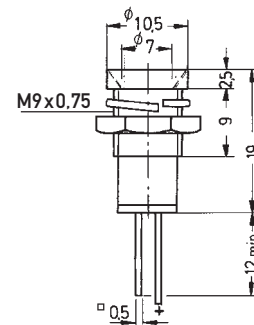
Also available with integrated resistor for 24 V operation.
Additional to type number: - 24

LD 32	
LD 42	brass
LD 62	chromium-plated
LD 72	
LD 32 S	
LD 42 S	brass
LD 62 S	black, matt finish
LD 72 S	

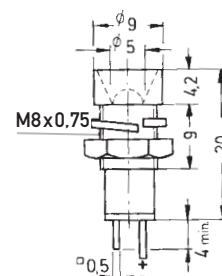


Also available with integrated resistor for 24 V operation.
Additional to type number: - 24

LD 34	
LD 44	brass
LD 64	chromium-plated
LD 34 S	
LD 44 S	brass
LD 64 S	black, matt finish



LD 36	brass	superbright
LD 46	chromium-plated	
LD 66		
LD 36 S	brass	superbright
LD 46 S	black, matt finish	
LD 66 S		



Also available with integrated resistor for 24 V operation.
Additional to type number: - 24



LED-Indicators

Models:

Light colour

Housing

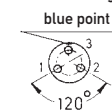
Dimensions

LD 53

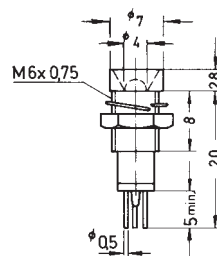
brass
chromium-plated

tricoloured

Connection diagram:



1 = anode green
2 = anode red
3 = common cathode



LD 53 S

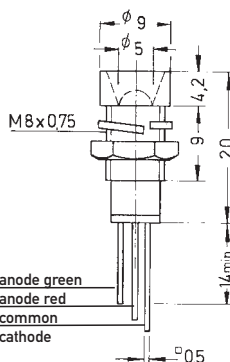
brass
black, matt finish

tricoloured

LD 56

brass
chromium-plated

tricoloured



LD 56 S

brass
black, matt finish

tricoloured

LD 96 R

brass
chromium-plated

flashing

LD 96 G

LD 96 Y

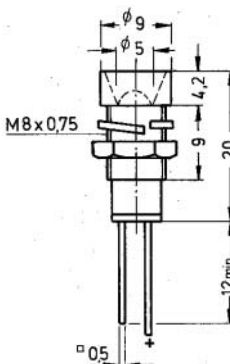
LD 96 SR

brass
black, matt finish

flashing

LD 96 SG

LD 96 SY



Flashing frequency = 3 Hz

Supply voltage = 4,75 V – 7 V

LDE 36

brass
chromium-plated

waterproof

LDE 46

LDE 66

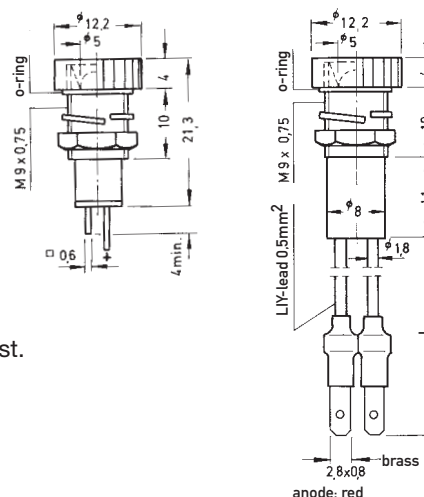
brass
black, matt finish

waterproof

LDE 36 S

LDE 46 S

LDE 66 S



Special version: with lead and connector

Additional to type number: W

L = 50 mm; other length: minimum quantity and delivery time on request.

Also available with integrated resistor for 24 V operation.

Additional to type number: – 24