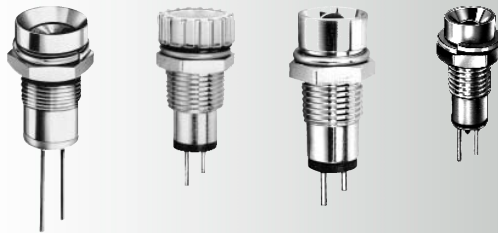


9

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	V_F	I_F	I_V	λ_P	V_R	I_R	T_{OP}						
	Power dissipation (mW)	Forward voltage (V) ¹	Forward current (mA)	Luminous intensity (mcd) at $I_F = 10$ mA	Peak emission wavelength (nm) ¹	Reverse voltage (V)	Reverse current (μ A) at $V_R = 3$ V	Operating temperature (°C)						
LD 30 LD 32	85	min. typ. max.	20 25	1,8	700	5,0	100	- 40 + 85						
		2,1 3,0												
LD 34	110	min. typ. max.	20 40	20 ⁴	630	4,0	10	- 30 + 70						
		2,0 2,2												
LD 36 LDE 36 ³	100	min. typ. max.	20 50	20 30	660	4,0	100	- 30 + 85						
		1,7 2,0												
LD 40 LD 42	85	min. typ. max.	20 25	3,2	555	5,0	100	- 40 + 85						
		2,1 3,0												
LD 44	110	min. typ. max.	25 45	8 ⁴	565	4,0	10	- 30 + 70						
		2,0 2,1												
LD 46 LDE 46 ³	125	min. typ. max.	20 50	8 12	555	4,0	100	- 30 + 85						
		2,1 2,5												
LD 60 LD 62	85	min. typ. max.	20 25	2,7	600	5,0	100	- 40 + 85						
		2,1 3,0												
LD 64	110	min. typ. max.	35 50	10 ⁴	585	4,0	10	- 30 + 70						
		2,1 2,2												
LD 66 LDE 66 ³	125	min. typ. max.	20 50	16 24	580	4,0	100	- 30 + 85						
		2,2 2,5												
LD 70 LD 72	62	min. typ. max.	20 50	0,9 ⁴	470	5,0	30	- 20 + 80						
		2,7 3,0 3,3												
LD 53	70	min. typ. max.	10 30	0,5 1,0	632	3,0	10	- 25 + 85	red					
		min. typ. max.							20 30	0,25 0,5	558	3,0	10	green
		min. typ. max.												1,9 2,4
LD 56	45	min. typ. max.	10 20	2,2	700	5,0	100	- 40 + 85	red					
		min. typ. max.							10 25	3,9	555	5,0	100	green
		min. typ. max.												2,1 3,0
LD 96	200	min. typ. max.		0,5 ² 1,6 ²	660	0,4		- 40 + 70	flashing					

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:

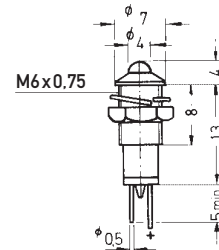
Light colour

Housing

Dimensions

LD 30
LD 40
LD 60
LD 70
LD 30 S
LD 40 S
LD 60 S
LD 70 S

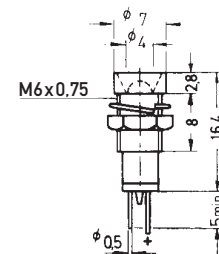
brass
chromium-plated



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

LD 32
LD 42
LD 62
LD 72
LD 32 S
LD 42 S
LD 62 S
LD 72 S

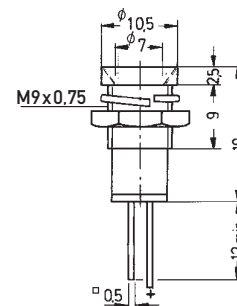
brass
chromium-plated



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

LD 34
LD 44
LD 64
LD 34 S
LD 44 S
LD 64 S

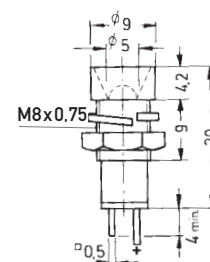
brass
chromium-plated



LD 36
LD 46
LD 66
LD 36 S
LD 46 S
LD 66 S

brass
chromium-plated

superbright



brass
black, matt finish

superbright

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



LED-Indicators

Models:

Light colour

Housing

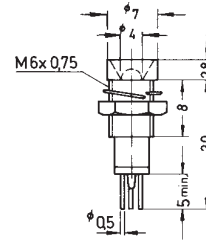
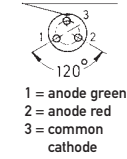
Dimensions

LD 53

brass
chromium-plated

tricoloured

Connection diagram:
blue point

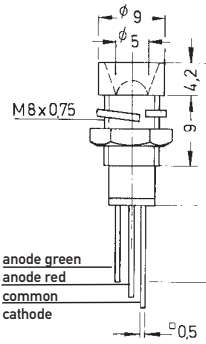


LD 53 S

brass
black, matt finish

tricoloured

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



LD 56

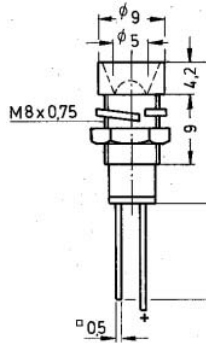
brass
chromium-plated

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

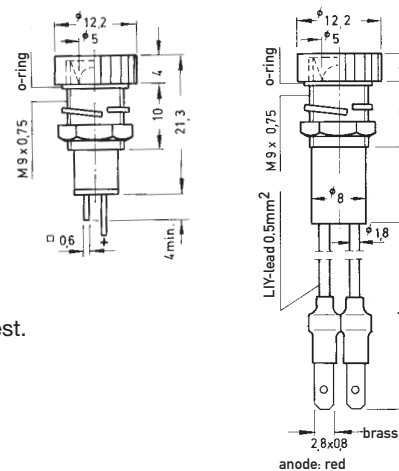
brass
black, matt finish

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