elobau GmbH & Co. KG
Zeppelinstr. 44
88299 Leutkirch, Germany

Tel.: +49 (0) 7561 970-0
Fax: +49 (0) 7561 970-100



Micro push button switch 145MTR/MTG

With night and function illumination.

Micro push button switch 145MR with function and night illumination is equipped with practical snap-in mounting. This Micro push button switch is designed for applications in which only low currents flow and a mechanical switch cannot therefore be used. Micro push button switch 145MR/MG, with the two-colour illumination function, is ideally suited for use in the automotive engineering sector, e.g. in joystick handles or armrests. The switching element, which is completely separated from the mechanics, resists dust, dirt and moisture, thanks to its IP67 protection class.

Technical specifications

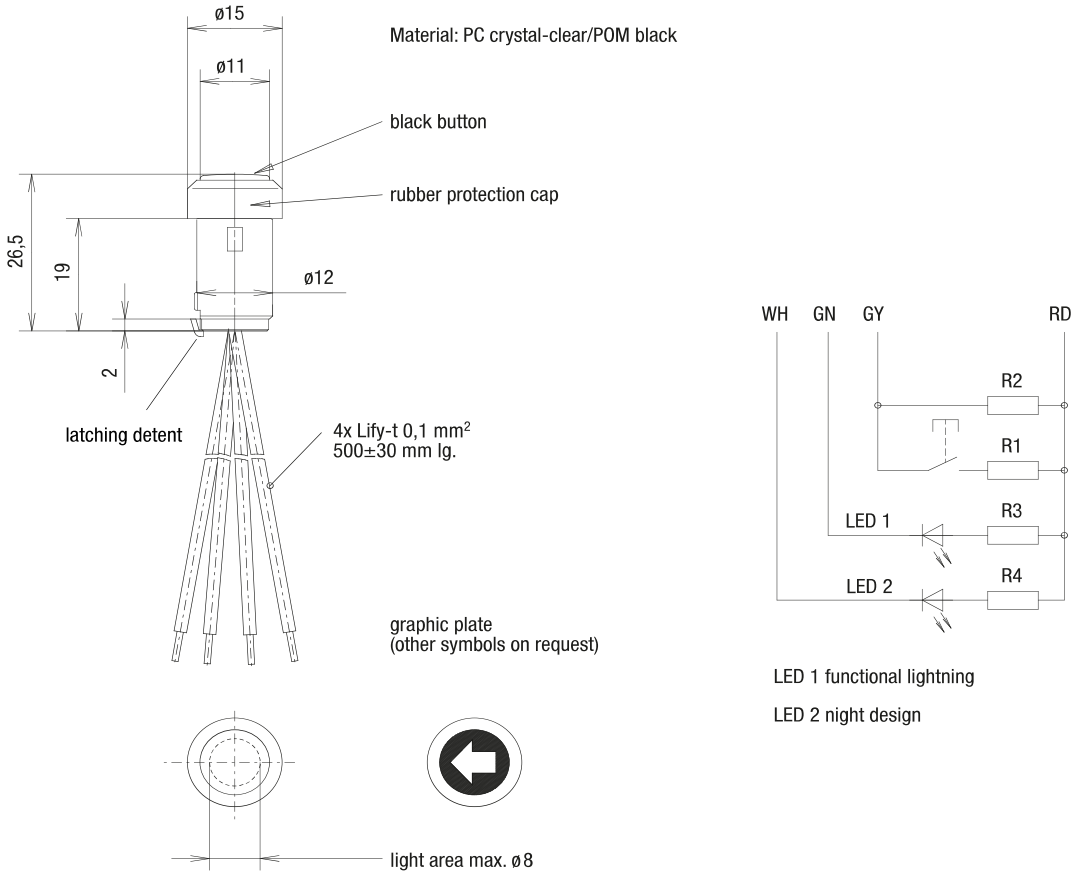
- 2 illumination colours can be controlled
- Long service life thanks to the magnetic actuation principle
- Available with various button colours and symbols to suit the application
- Wear-free reed contacts for low switching currents
- 2.5mm button stroke
- IP67 protection class for harsh operating conditions
- Optionally available with NAMUR wiring
- Can be connected with various common connectors e.g, Molex or AMP

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Technical drawing

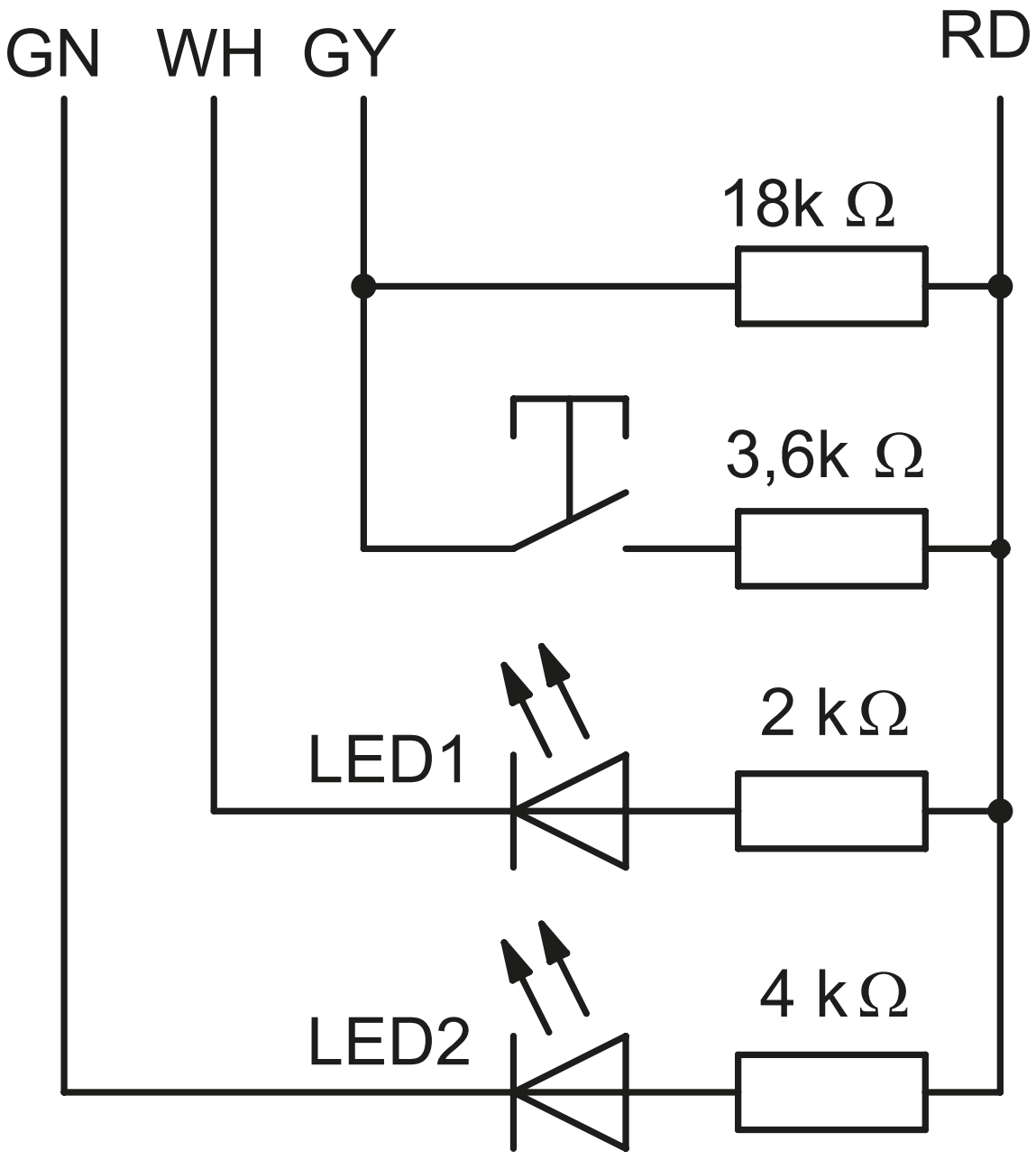
IMAGE 1/2



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IMAGE 2/2



LED1 function illumination

LED2 night illumination

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Product options

IMAGE 1/2

Actuator colors

- RAL 9004
- RAL 3020
- White
- RAL 2009
- RAL 6024
- RAL 5005
- Yellow
- RAL 7042

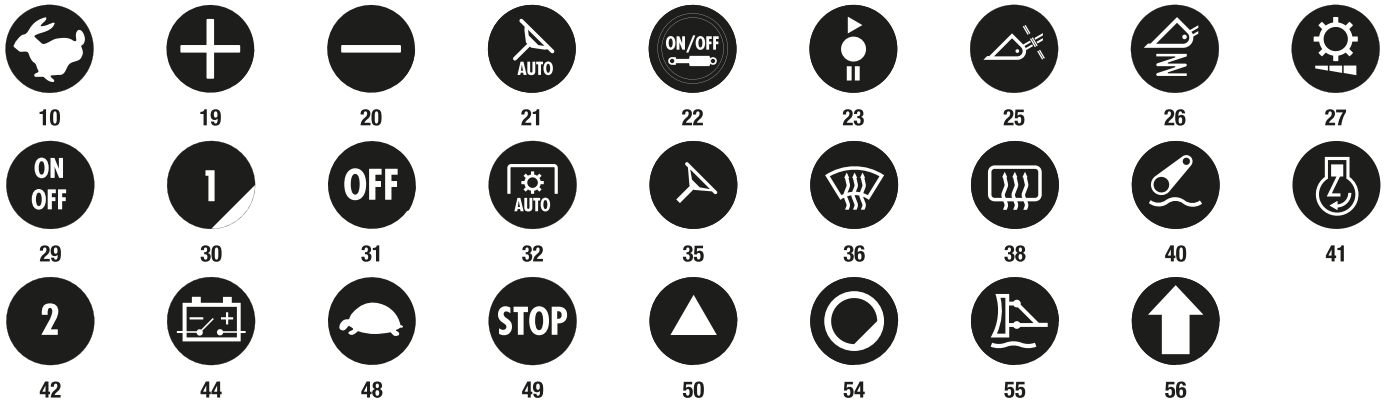
Night and function illumination

- Green
- White
- Blue

IMAGE 2/2

Icons for push button 145 MR/MG

Icon colour: translucent



10 19 20 21 22 23 25 26 27
29 30 31 32 35 36 38 40 41
42 44 48 49 50 54 55 56

Icon colour: black



06 07 08 09 11 12

Additional symbols in accordance with DIN ISO 7000:2008-12 are available on request.

Additional versions are available on request. The push button caps can optionally be printed with symbols.

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Article characteristics

Attribute	145MR...	145MG...
Max. switching voltage	24 V DC	
Max. switching current	0.1 A	
Max. switching power	1 VA	
Max. switching power	1 W	
Service life, mechanical (Cycles)	2000000	
Protection class, electronic	IP67 DIN EN 60529	
Operating temperature min.	-40 °C	
Max. operating temperature	85 °C	
Min. storage temperature	-40 °C	
Max. storage temperature	85 °C	
Installation	from above	
Mounting type	Latching detent	screwed
Thread	-	M12
Cable length	0.5 m	