



EOZ
SOLUTIONS & COMPONENTS

R.series

EOZ presents the R.series, a range of vandal-resistant pushbuttons that are designed to improve the durability and strength of control panels.

These pushbuttons are protected up to IK09 and IP65, which makes them ideal for use in exposed public areas or aggressive industrial environments. They are mounted in either 16mm or 19mm holes.

The 19mm versions are available with LED illumination, either an attractive 'halo' ring or central dot. The halo effect creates a stylish, contemporary look that is also an effective way to focus the user's attention on a primary function. Please note: the 16mm versions are non illuminated.

MAIN FEATURES

- ❑ Vandal resistance:
Impact resistant to IK09, sealed to IP65
- ❑ Long service life:
One million operations
- ❑ Halo or dot illumination (19mm only)

TYPICAL APPLICATIONS

- ❑ Access control, security systems
- ❑ Exposed public areas: ticketing machines, vending machines, kiosks
- ❑ Industrial: machinery and factory equipment

DIMENSIONS

- ❑ Button: - Non-illuminated: 16mm / 19mm Ø
- Illuminated: 19mm Ø

MATERIALS

- ❑ Button: - Non-illuminated: - stainless steel
- gold-coloured brass
- nickel-plated brass
- Illuminated: - stainless steel

ELECTRICAL CHARACTERISTICS

- ❑ Switching rate: - Non-illuminated: 2A / 48VDC
- Illuminated: 5A / 250VAC
- ❑ Electrical life (full load):
- Non-illuminated:
16mm: 40,000 cycles 24VDC / 2A
19mm: 40,000 cycles 48VDC / 2A
- Illuminated:
19mm: 50,000 cycles 5A / 250VAC
- ❑ Switching element:
- Contact resistance: $\leq 50 \text{ m}\Omega$
- Insulation resistance: $> 1000 \text{ M}\Omega$
- ❑ Dielectric strength: 2000 VAC

ENVIRONMENTAL CHARACTERISTICS

- ❑ Operating temperature:
- Non-illuminated: -20°C to +55°C
- Illuminated: -20°C to +70°C
 - ❑ Operating humidity:
45 - 85% RH (no condensation)
- RoHS compliant

MECHANICAL CHARACTERISTICS

- ❑ Mechanical lifetime: 1 million cycles
- ❑ Actuating force: 5.5 N

SWITCHING SYSTEM

- ❑ Contact arrangement:
- Non-illuminated (1NO)
- Illuminated (1NO / 1NC)
- ❑ Contact function: momentary
- ❑ Contact material: silver alloy
- ❑ Terminals:
- Non-illuminated: screw terminals
- Illuminated: solder terminals



distributed by:



1 300 785 911

EOZ S.A.S - 5, rue Henri François
F-77330 OZOIR-LA-FERRIERE
Téléphone : +33 1 81 14 49 49
Télécopie : +33 1 81 14 49 52

Capital 200 000 € - SIRET 529 137 531 00016 RCS Melun
APE-NAF 2733Z - TVA FR39529137531

www.eozonline.com

R.series

Non-illuminated pushbutton Ø19 mm

	Lens	Mounting type	Typ_Nr.
convex - flush	Brass gold-coloured	level with bezel	R19DFGSTAG
	Brass nickel plated	level with bezel	R19DFNSTAG
	Stainless steel natural	level with bezel	R19DFSSTAG
flush - level	Brass gold-coloured	level with bezel	R19FFGSTAG
	Brass nickel plated	level with bezel	R19FFNSTAG
	Stainless steel natural	level with bezel	R19FFSSTAG
flush - raised	Brass gold-coloured	raised above bezel	R19FRGSTAG
	Brass nickel plated	raised above bezel	R19FRNSTAG
	Stainless steel natural	raised above bezel	R19FRSSTAG

Non-illuminated pushbutton Ø16 mm

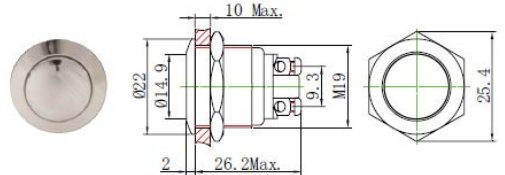
convex - flush	Brass gold-coloured	level with bezel	R16DFGSTAG
	Brass nickel plated	level with bezel	R16DFNSTAG
	Stainless steel natural	level with bezel	R16DFSSTAG
flush - level	Brass gold-coloured	level with bezel	R16FFGSTAG
	Brass nickel plated	level with bezel	R16FFNSTAG
	Stainless steel natural	level with bezel	R16FFSSTAG
flush - raised	Brass gold-coloured	raised above bezel	R16FRGSTAG
	Brass nickel plated	raised above bezel	R16FRNSTAG
	Stainless steel natural	raised above bezel	R16FRSSTAG

Illuminated pushbutton Ø16 mm

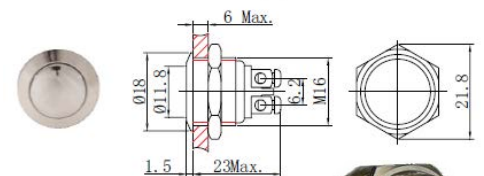
	Lens	Lighting	Op.vol	Typ-Nr
flush - level	Stainless Steel natural	Ring with blue Led	12 V	R19FFSSPAGRB12
			24 V	R19FFSSPAGRB24
			3.5 V	R19FFSSPAGRB3.5
		Ring with green Led	110 V	R19FFSSPAGRG110
			12 V	R19FFSSPAGRG12
			220 V	R19FFSSPAGRG220
		Ring with red Led	24 V	R19FFSSPAGRG24
			3.5 V	R19FFSSPAGRG3.5
			12 V	R19FFSSPAGR12
		Ring with white Led	24 V	R19FFSSPAGR24
			3.5 V	R19FFSSPAGR3.5
			12 V	R19FFSSPAGR12
		Ring with yellow Led	24 V	R19FFSSPAGR24
			3.5 V	R19FFSSPAGR3.5
			12 V	R19FFSSPAGR12
		Dot with blue Led	24 V	R19FFSSPAGDB24
			3.5 V	R19FFSSPAGDB3.5
			12 V	R19FFSSPAGDB12
		Dot with green Led	24 V	R19FFSSPAGDG24
			3.5 V	R19FFSSPAGDG3.5
			12 V	R19FFSSPAGDG12
		Dot with red Led	24 V	R19FFSSPAGDR24
			3.5 V	R19FFSSPAGDR3.5
			12 V	R19FFSSPAGDR12
Dot with white Led	24 V	R19FFSSPAGDW24		
	3.5 V	R19FFSSPAGDW3.5		
	12 V	R19FFSSPAGDW12		
Dot with yellow Led	24 V	R19FFSSPAGDY24		
	3.5 V	R19FFSSPAGDY3.5		
	12 V	R19FFSSPAGDY12		

Non-illuminated Ø19mm and Ø16mm

Dimensions: 19mm momentary pushbuttons



Dimensions: 16mm momentary pushbuttons



Connections



Screw terminal
Contacts: 1 Normally open

Material

Nickel-plated brass

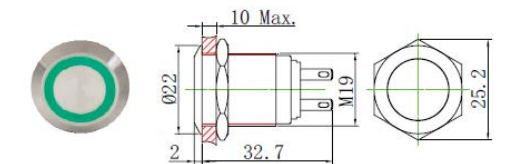
Gold-plated brass

Stainless steel

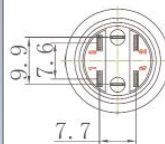


Illuminated: 19mm

Dimensions: 19mm momentary pushbuttons



Connections



Soldering terminal (also pluggable 2.8 x 0.8mm)
Contacts: 1 Normally open + 1 Normally closed

Available LED colours: **R G Y O B W**

Voltage	Resistance	Current	Consumption
3.5V			
6V	270Ω	15mA	0.1W
12V	750Ω	14mA	0.17W
24V	2.1kΩ	10mA	0.24W
110V	56kΩ	2mA	0.22W
220V	180kΩ	1.3mA	0.29W

Sales

mikael.biger@eozonline.com or chloe.petro@eozonline.com

Customer service

melanie.vinot@eozonline.com

Technical customer service

laurent.tassin@eozonline.com