

RAFIX 16, standard switching element, gold, with lamp socket, quick-connect terminal, latching, for W 2 x 4.6d, 1 NC + 1 NO



Description

RAFIX 16 standard switching elements are designed for pushbuttons. The switching elements are available with a momentary contact or latching function, so that latching pushbuttons can also be achieved.

technical data

> general

Color	light gray
Operating temperature, min.	-25 °C
Operating temperature, max.	70 °C
Storage temperature, min.	-40 °C
Storage temperature, max.	85 °C
illuminated	Yes
Lamp socket	W 2 x 4.6d
Packaging unit	20 pcs.
Net weight	9.5 g
Operating life	2,000,000 cycles
B10	2,600,000 cycles
Environment resistance	IEC 60068-2-14 IEC 60068-2-30 IEC 60068-2-33 IEC 60068-2-78
Shock resistance according to standard IEC 60068-2-27	50 g at 11 ms amplitude semi-sinusoidal
Vibration resistance according to standard IEC 60068-2-6	10 g at 20 - 500 Hz
Protection class	II
Minimum order quantity (MOQ)	20 pcs.
RoHS compliant	Yes
REACH compliant	Yes
Country of origin	DE

direct links

> [RAFI eCatalog](#)

> mounting diameters

Outside dimension, length	22.2 mm
Outside dimension, width	22.2 mm
Outside dimension, height	34.4 mm
Mounting depth	44.7 mm

> mechanical data

The information in this data sheet only contains general descriptions and / or performance features, which may not apply precisely as described to the respective application, and which may change due to further product enhancements. The technical data, illustrations and other information about our products are the mere results of individual technical testing. These descriptions and other product features are only binding if they expressly agreed upon at the time of the conclusion of a binding contract. In all other cases, we reserve the right to make technical changes as well as changes of availability. Pictures and other graphic illustrations are approximations only. All product names may be trademarks or brand names of the RAFI Group or any other sub-supplier of RAFI. The use of such by any third parties for their own purposes may infringe the rights of the respective entity holding those rights.

date: Aug 22, 2025 page: 1/3

RAFI GmbH & Co. KG

Ravensburger Str. 128-134
88276 Berg / Ravensburg
Germany
www.rafi-group.com,
info.headquarters@rafi-group.com

Connection marking	Normally Closed: 11/12, 21/22 Normally Open: 13/14, 23/24 Lamp: X1 (+), X2 (GND)
Terminal on the rear	Flat quick-connect terminal 2.8 x 0.8
Fixing	Latching
Actuation function	latching
Operating force, max.	100 N
Operating travel, max.	3 mm
Contact function	1 NC + 1 NO
Contact system	Bridge contact
Contact material	Gold
Solderability	No

> electrical data

Rated voltage, min.	0.02 V
Rated voltage, max.	35 V
Voltage type	AC / DC
Rated operating voltage	0.02-35 V
Rated current, min.	0.001 A
Rated current, max.	0.25 A
Power loss	0.00125 W

Use according to UL:

RAFIX control devices are defined at RAFI as modular elements, consisting of an actuating element, if necessary a coupling and an individual contact or lighting unit.

Actuating elements (such as pushbuttons, emergency stop actuators, etc.) have the intended tactility, reset and function only when assembled with the appropriate switching elements.

drawings

System drawing

