



- Push button
- Ex-Zone 1 and 21

Data

Ordering data

EX-RDTWS
101197340

Approval - Standards

TÜV
IECEX

Explosion protection

EN 60079-0
EN 60079-11
EN 60079-31
EN 60079-14
22
2
1
21
2D
2G
⊕ II 2G Ex ib IIC Gb
⊕ II 2D Ex ib IIC Db

General data

Product name

RD - Pushbutton

	IEC 60947-5-1
	ISO 13849-1
	EN 60947-5-1
	IEC 60947-5-5
	IEC/EN 60947-1
Design	Round
Material of the identification label	Stainless steel (V4A)
Material of the front ring	Aluminium
Colour of the operating element	Black
Colour of the front ring	Silver
Gross weight	67 g

Safety appraisal

Mission Time	20 Year(s)
--------------	------------

Safety appraisal - Safety outputs

B10d Normally-closed contact (NC)	100,000 Operations
-----------------------------------	--------------------

Mechanical data

Actuating stroke	4 mm
Actuating force, approx.	1.5 N

Mechanical data - Dimensions

Height	11 mm
Height of touch surface	0.5 mm
Diameter hole	22.3 mm
Diameter hole, with tolerance indication	22,3 + 0,4 mm
Thickness, of the front panel, minimum	1 mm
Thickness of the front panel, maximum	6 mm

Ambient conditions

Ambient temperature, maximum	+55 °C
	50 g

Ordering code

Product type description:

EX-R(1)

(1)

DT(2)-(7)	Pushbutton, Ø 28 mm, buttons in MS, coated
DM(2)-(7)	Pushbutton with diaphragm, Ø 28 mm, buttons in MS, coated
DL(3)-(7)	Illuminated pushbutton, Ø 28 mm, swivel in impact-resistant plastic

DLM(3)-(7)	Illuminated pushbutton with diaphragm, Ø 28 mm, swivel in impact-resistant plastic
MLH(3)-(7)	Indicator lights for LED's, protruding swivel in impact-resistant plastic
DP40(2)-(7)	Mushroom head impact button without latching, button Ø 37 mm in MS, coated
DRZ45(2)(3)(5)	Mushroom head impact button with latching, device head in MS, coated, pull to unlock
WT21	Spring-return rotary selector switch with 2 positions
WT21.1	Spring-return rotary selector switch with 2 positions, long gag
WS21	Selector switch with 2 latched positions
WS21.1	Selector switch with 2 latched positions, long gag
WT32	Spring-return rotary selector switch with 3 positions
WT32.1	Spring-return rotary selector switch with 3 positions, long gag
WST32	Spring-return rotary selector switch, 3 positions; right: latching, left: switching
WST32.1	Spring-return rotary selector switch, 3 positions; right: latching, left: switching; long gag
WS32	Selector switch with 3 latched positions
WS32.1	Selector switch with 3 latched positions, long gag
WTS32	Maintained spring-return rotary selector switch, 3 positions, right: switching, left: latching
WTS32.1	Maintained spring-return rotary selector switch, 3 positions, right: switching, left: latching; long gag
SS21S2	Key-operated selector switch with 2 latched positions, Key withdrawal left only
SS21S12	Key-operated selector switch with 2 latched positions, Key withdrawal right only
SS21S12	Key-operated selector switch with 2 latched positions, Key withdrawal in both positions
SS32S2	Key-operated selector switch with 3 latched positions, Key withdrawal left only
SS32S2	Key-operated selector switch with 3 latched positions, Key withdrawal in the middle
SS32S3	Key-operated selector switch with 3 latched positions, Key withdrawal right
SS32S123	Key-operated selector switch with 3 latched positions, key withdrawal in all three positions
ST21S1	Key-operated spring-return selector switch with 1 touch position, automatic return to the zero position, latch position 55°, Key withdrawal left only
ST32S2	Key-operated spring-return selector switch with 2 touch positions left and right, automatic return to the zero position, Key withdrawal only in the middle
SST32S1	Key-operated selector switch pushbutton with 3 positions, touch position 35°, latch position 55°, left switching, right latching, key withdrawal left only
SST32S2	Key-operated selector switch pushbutton with 3 positions, touch position 35°, latch position 55°, left switching, right latching, key withdrawal only in the middle
STS32S2	Key-operated selector switch pushbutton with 3 positions, touch position 35°, latch position 55°, left switching, right latching, key withdrawal only in the middle
STS32S3	Key-operated selector switch pushbutton with 3 positions, touch position 35°, latch position 55°, left switching, right latching, key withdrawal right only
F 03	Contact element with screw connection, 1 NO contact, Contact Label 3, 4
F 10	Contact element with screw connection, 1 NC contact, Contact Label 1, 2
LDE WS 24	White luminous element with integrated LED for illuminated pushbutton RDL / RDLM and indicator light RMLH
B	Blanking plug

(2)

SW Black

(3)

GB yellow

(4)

RT red

GN green

WS white

BL blue

Pictures

Photo/Product/Catalogue



ID: krdt-f04

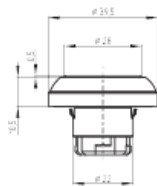
| 37,6 kB | .png | 73.731 x 76.906 mm - 209 x 218

Pixel - 72 dpi

| 453,9 kB | .jpg | 352.425 x 367.594 mm - 999 x 1042

Pixel - 72 dpi

Dimension/Product/Basic



ID: 1rdt-g01

| 46,6 kB | .jpg | 352.778 x 245.181 mm - 1000 x 695

Pixel - 72 dpi

| 2,5 kB | .png | 74.083 x 51.506 mm - 210 x 146 Pixel

- 72 dpi

| 23,2 kB | .cdr |

K.A. Schmersal GmbH & Co. KG, Möddinghofe 3, D-42279 Wuppertal

The details and data referred to have been carefully checked. Images may diverge from original. Further technical data can be found in the manual. Technical amendments and errors possible.

Generated on 142021-01-31T18:53:14+01:000601Europe/BerlinSun, 31 Jan 2021 18:53:14

+010014pmSunday.31pm31Europe/BerlinCET5301Europe/BerlinJanuary2021Sun, 31 Jan 2021 18:53:14

+010001pm31