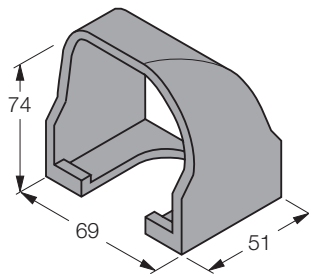
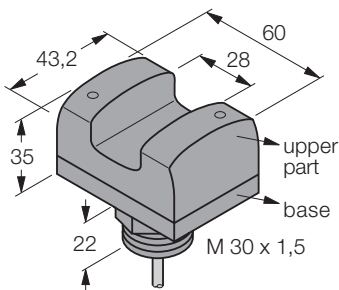


OTB series Optical Touch Buttons

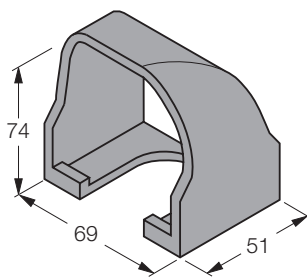
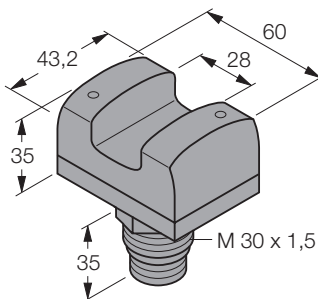


Dimensions [mm]

● Cable

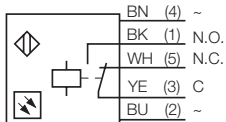


● Connector



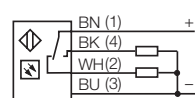
Wiring

AC- and AC/DC-
version with
relay output



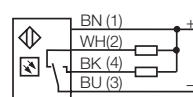
DC-version

pnp complementary



DC-version

npn complementary



Wave length

IR (infrared) 880 nm

Supply

Supply voltage

DC-version 10...30 VDC
AC-version with relay output 220...240 VAC
AC/DC-version with relay output 20...30 VAC or 20...30 VDC

No load current

≤ 25 mA

Output

Continuous load current

DC-version ≤ 150 mA
AC-version with relay output ≤ 7 A
AC/DC-version with relay output ≤ 7 A

Material

Housing	base	PBT
	upper part	Lexan® or polysulfone
Cover		polycarbonate + PET
Protection class (IEC 529/DIN 40050-9)		IP66
Temperature range		-20...+50 °C
Cable		2 m, PVC 5 x 0,5 mm ²
Connector		minifast®

Indicator LEDs

Red	light sensed
Red	power-on

Accessories

Covers (included in standard delivery)

OTC-1-BK	38 807 00	cover, black
OTC-1-GN	38 809 00	cover, green
OTC-1-RD	30 309 77	cover, red
OTC-1-YW	30 309 78	cover, yellow

Mounting accessories

SMB30SC	30 525 21	swivel mount bracket
---------	-----------	----------------------

Connector

RK 40-2	69 175	female plug cable, straight
RK 50-2	69 166	female plug cable, straight

Photoelectric sensors

OTB series Optical Touch Buttons

Supply	Output			Connection			Type	Ident number	Black cover	Red cover	Yellow cover	Green cover					
	10...30 VDC	220/240 VAC ¹⁾	20...30 VAC/DC	pnp	npn	Relay ²⁾							Quick disconnect	2 m integral cable	Polysulfone upper housing ³⁾	Lexan® upper housing ⁴⁾	
•				•			•	•					OTB-VP6	38 806 00	30 350 74	30 350 94	30 351 14
•				•			•	•					OTB-VP6-QD	38 805 00	30 350 75	30 350 95	30 351 15
•					•		•	•					OTB-VN6	38 803 00	30 350 70	30 350 90	30 351 10
•					•		•	•					OTB-VN6-QD	38 800 00	30 350 71	30 350 91	30 351 11
•				•			•	•					OTB-VP6L	30 341 10	30 350 76	30 350 96	30 351 16
•				•			•	•					OTB-VP6L-QD	30 349 97	30 350 77	30 350 97	30 351 17
•					•		•	•					OTB-VN6L	30 337 06	30 350 72	30 350 92	30 351 12
•					•		•	•					OTB-VN6L-QD	30 350 57	30 350 73	30 350 93	30 351 13
	•					•	•	•					OTB-B5	38 802 00	30 350 62	30 350 82	30 351 02
	•					•	•	•					OTB-B5-QD	38 808 00	30 350 63	30 350 83	30 351 03
	•					•	•	•					OTB-B5L	30 322 54	30 350 64	30 350 84	30 351 04
	•					•	•	•					OTB-B5L-QD	30 322 56	30 350 65	30 350 85	30 351 05
		•				•	•	•					OTB-VR81	38 810 00	30 350 66	30 350 86	30 351 06
		•				•	•	•					OTB-VR81-QD	38 811 00	30 350 67	30 350 87	30 351 07
		•				•	•	•					OTB-VR81L	38 812 00	30 350 68	30 350 88	30 351 08
		•				•	•	•					OTB-VR81L-QD	30 340 41	30 350 69	30 350 89	30 351 09

¹⁾ Also available in 105...130 VAC version

²⁾ Also available in latching version

³⁾ Environmental considerations for models with polysulfone upper housings:
The polysulfone upper housing will become embrittled with prolonged exposure to outdoor sunlight. Window glass effectively filters longer wavelength ultraviolet light and provides excellent protection from sunlight.

⁴⁾ Environmental considerations for models with Lexan® polycarbonate upper housings:
Avoid prolonged exposure to hot water and moist high-temperature environments above 66 °C. Avoid contact with aromatic hydrocarbons (such as xylene and toluene), halogenated hydrocarbons and strong alkalis. Clean periodically using mild soap solution and a soft cloth. Avoid strong alkaline materials.



IMPORTANT SAFETY WARNING ! These sensors do NOT include the self-checking redundant circuitry necessary to allow their use in personnel safety applications. A sensor failure or malfunction can result in either an energised or de-energised output condition. These products should not be used as sensing devices for personnel safety.