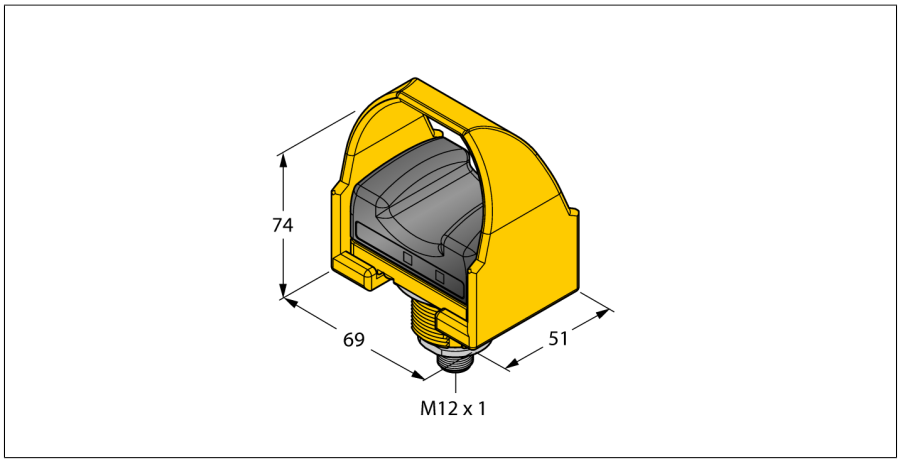
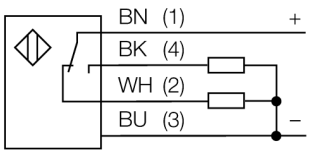
Photoelectric Sensor
Touch Switch
For Two-Hand Control System
STBVP6LQ5



Type	STBVP6LQ5
ID	3064184
Optical data	
Function	Touch Button
Light type	IR
Electrical data	
Operating voltage U_B	10…30 VDC
DC rated operating current I_e	≤ 75 mA
Output function	NO/NC, PNP
Switching frequency	≤ 25 Hz
Mechanical data	
Design	Rectangular, STB
Housing material	Plastic, PBT
Electrical connection	Connector, M12 × 1
Ambient temperature	0…+50 °C
Protection class	IP66
Power-on indication	LED, Green
Switching state	LED, Green
Error indication	LED, green, Flashing
Tests/approvals	

- M12 × 1 male, 4-pin
- Protection class IP66
- Ergonomically shaped
- Upper housing part of Lexan
- Operating voltage: 10…30 VDC
- 1 safety NO output PNP
- 1 safety NC output PNP
- Pre-assembled protective cover
- Safety category 4 according to EN ISO 13849-1 for use with corresponding evaluation relays
- SIL 3 acc. to IEC 61508 and IEC 62061

Wiring Diagram



Functional principle

The Duo-Touch two-hand control system can be used as a triggering device for most motor driven machines whose machining cycle is controlled by an operator. If a two-hand control system is used as a protective device, both of the operators hands must be used to start the machine cycle. The operator is thus placed in a form of “protective custody” if a hazard exists from which the operator must be protected or must avoid. The control elements of the two-hand control system must be arranged so that the hazardous motion (e.g. closing of a punching press) is completed or stopped before the operator can release one

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or both keys and reach the hazard area. Both hands must be used simultaneously. Both keys must be pressed within a time of max. 500 ms (simultaneity requirement according to EN 574).

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