



Hand Sensor Actuator TST-4

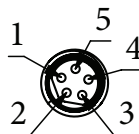
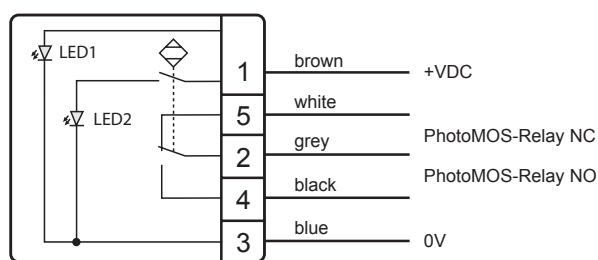
The Duelco hand sensor actuator is an obvious choice
- especially with a high activation frequency

User's advantages

- Ergonomic
- Low activation force
- Reduces the possibility of injuries
- Increases the productivity
- On/Off indication via LEDs
- Outputs are NO/NC contacts



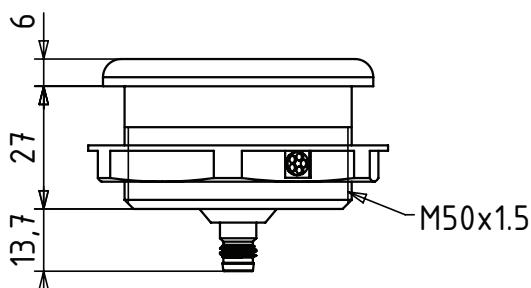
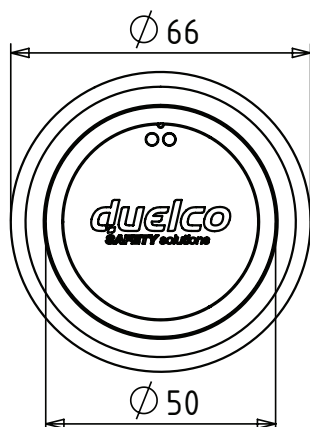
Connection diagram and connector M8, 5-pole



DS/EN ISO 13849-1:
Cat. 4 Performance Level e

The TST-4 has no independent safety function. The safety level is obtained by connecting the two hand control relay Duelco HR-2007.

Dimensions (mm)



Operation description

Hand sensor keys are indispensable in connection with presses and punching machines for reasons of operator efficiency. The common press buttons already available on the market require a pressure of up to 1 kg and given, for example, a typical 1000 activations per day on a 2-handed relay, this amounts to a daily load on the operator of 2 tons. Duelcos TST-4 hand sensor key, require only a light pressure

and have the added feature of optimal seal which fulfils the requirements of DIN VDE 0470-1.

The hand sensor keys have therefore won a justified foothold where a high level of activating frequency is required, typically on presses and punching machines. By using Duelco's hand sensor keys, a very high level of ergonomically efficient work practice, and hence optimal working conditions for the operator, is achievable.

Duelco's hand sensor keys are based on capacitive circuits

with a degree of sensitivity so fine that the operator can activate his hand sensor keys even when using working gloves. Duelco's hand sensor key TST-4 fulfils the requirements according to EN 60204-1 regarding duplication and monitoring, with use together with the Duelco HR-2007 CE-marked according to MD, EMC and LVD

Technical data TST-4

Electrical data	
Supply voltage (NB! Common Power Supply)	24V DC
Voltage range	± 10%
Frequency (AC-type)	50 ... 60 Hz
Power consumption	~ 10 mA @ 24 V
Contact data	
Contact-allocation	PhotoMOS-Relay NO / NC
Contact load	100 mA
EMC requirements	EN61000-6-3 EN61000-6-2
Mechanical data + various	
Housing material	Polycarbonate
Dimensions, Surface of contact Built-in dimensions	Ø 50 mm Ø 50 mm
Operating temperature	-25 - +70° C
Enclosure rating, Surface of contact	IP 65
Mounting	Nut, M50x1,5 mm

Accessories:



PCB3/SD



PRB05



HR-2007

Order information:

Description	Article no.
TST-4 24V DC	42000010
TST-4 cable, 2 metres	42000011

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