

TECHNICAL DATA SHEET

SELF-CHECKING OPTICAL TOUCH BUTTON ETHS series

Contents

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Figure can vary

Self-checking Optical Touch Button

Product Features

- ◉ Ergonomic design eliminates hand and arm strain from repetitive switching, providing a stress-free operation;
- ◉ Impactless against external light, EMI electromagnetic waves, and RFI radio wave interference;
- ◉ Suitable for use in chemical environments;
- ◉ IP66 protection rating;
- ◉ Two LED indicators show switch status;

*All models come with a black resin protective housing to prevent accidental damage to the optical contact buttons.



ETHS series Button



Button With Protective Cover

Application Cases

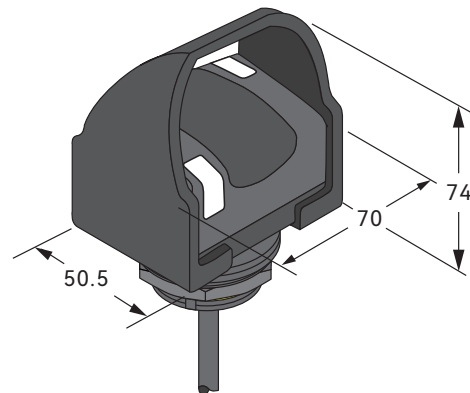
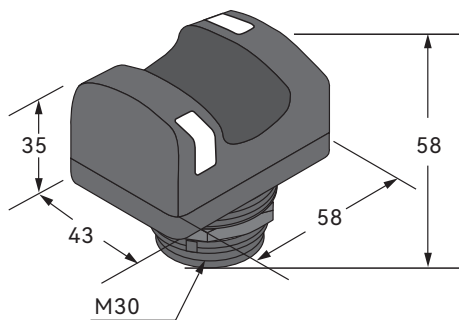


Product Parameters

Model	ETHSVN6	ETHSVP6
Type	NPN	PNP
Output Configuration	Complementary (SPDT) NPN (notch filter) open collector transistor; 1NO and 1NC transistor.	
Power Supply Voltage	10-30V DC	
Rated Output	Maximum load: 150mA On-state saturation voltage: < 15V@full load Off-state leakage current: <1 μ A	
Output Protection	Overload and short-circuit protection	
Response Time	20ms	
Indicator Light	Two LED indicators for power-on and output status	
Environmental Rating	IP66	
Light Interference Immunity	100000Lux	
Housing Material	Main housing material: thermoplastic polysulfone; electronic components: epoxy resin encapsulation	
Ambient Temperature	0°C~+50°C (+32°~+122°F)	
Relative Humidity	Maximum operating relative humidity at 50°C: non-condensing (%) 90%	
Features	Hazardous area number: silent; Features: Chemical resistance: No; Quick disconnect: No;	
Connection Method	Standard 2m cable (customizable length available)	

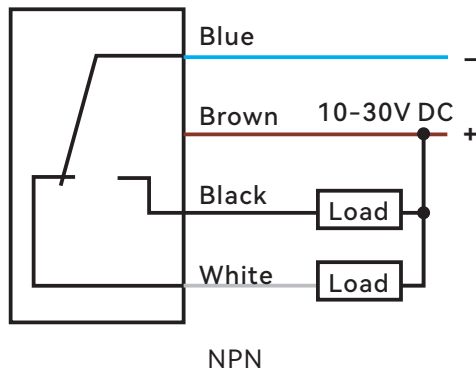
Product Dimensions

Unit: mm



Wiring method

● ETHSVN6



● ETHSVP6

