



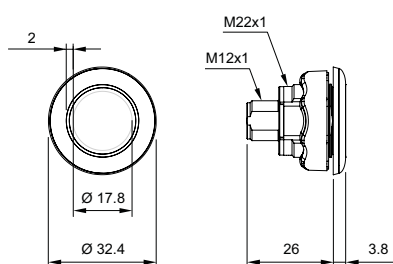
Series 84 EAO IO-Link Touch.

Operating Instructions «Hygiene» button.

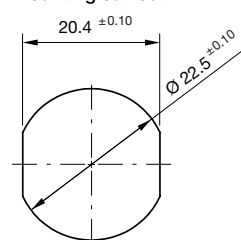
Technical data

Operating voltage	DC 24V (8.4 ... 32V)
Load current	Max. 200 mA
Output	Adjustable PNP/NPN; NO/NC
Length of output pulse	Adjustable
Reverse polarity protection	Protection of all cables/lines
Short circuit protection	Protected against short circuit and overload
Voltage drop	Max. 5V at 200 mA load current
Power consumption at 24V	Max. 40 mA
Operating temperature	-30 °C ... +65 °C
Protection degree IP	Front side IP69K maximum unevenness in mounting surface < 0.1 mm
Protection degree IK	IK08
Communication interface	IO-Link specification V1.1
Control voltage E1/E2	on 80 % U_v +, off 0 ... 20 % U_v +
Measuring principle	Capacitive
Type of actuation	Touch
Actuation force	No actuation force required
Max. altitude	2000 m above sea level with «CSA listing»
Relative air humidity	Max. 95 %, non-condensing

Dimensions



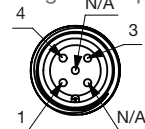
Mounting cut-out



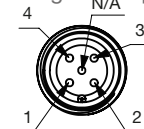
The IO-Link Touch is secured against rotation by the illustrated hole.

Connection options

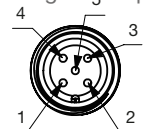
Plug M12, 3-pin



Plug M12, 4-pin



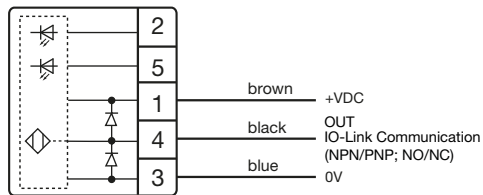
Plug M12, 5-pin



All dimensions in mm.

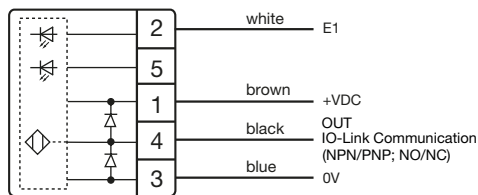
Connection plan

3-pin



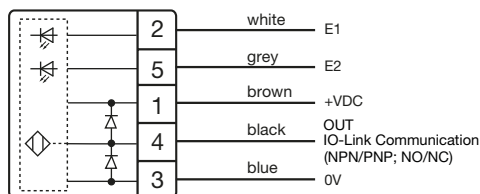
The product description will indicate the configuration.

4-pin







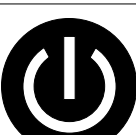


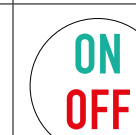

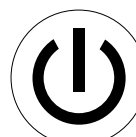
The product description will indicate the configuration.

5-pin



The product description will indicate the configuration.

Standard symbols (examples)

 Symbol B10	 Symbol B11	 Symbol B12	 Symbol B13
 Symbol B14	 Symbol C17	 Symbol C18	 Symbol C12
 Symbol C19	 Symbol C16		

Safety

General safety

All work on electrical systems or operating equipment may only be carried out by a specially qualified electrician according to the applicable electrotechnical regulations.

The safety of the system in which the IO-Link Touch is integrated is the responsibility of the operator.

WARNING



Improper work on electrical systems!

Electric shock can result in death or life-threatening injuries.

- Before working on electrical systems, disconnect them from their voltage supply and secure them against being switched on again
- Work on electrical installations should be carried out only by qualified personnel in compliance with local and national electrical regulations and specifications



Intended use

The IO-Link Touch is intended for use in accordance with the items listed here, the values from the "Technical specifications" chapter and the product description.

- Only connect the product to a limited energy source as per IEC 61010 or an NEC class 2 power supply unit.
- Source current < 4A at maximum operating voltage

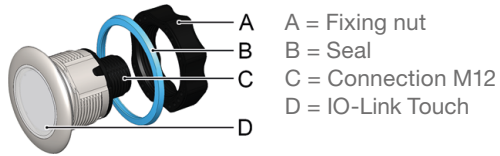
Foreword

These operating instructions are intended for technicians/installers and operators and should be kept for future reference. Read these operating instructions carefully and make sure that you have fully understood the contents before installing or working with the IO-Link Touch.

Assembly

Requirements

- Mounting surface is level and has been thoroughly cleaned (maximum unevenness in mounting surface 0.1 mm)
- The panel is between 1.0 mm and 9.5 mm thick



- Disconnect the system from its voltage supply and secure it against being switched on again
- Check the correct assembly of the seal (B) and correct it if necessary
- Clean the seal before assembly
- Insert the IO-Link Touch (D) into the prepared hole and screw the lock nut (A) on
- Position the IO-Link Touch (D) and tighten the lock nuts with max. 1.5 Nm
- Connect the IO-Link Touch (D) electrically to terminal (C) according to the connection plan

Maintenance

Maintenance operations

Carry out the following maintenance operations at the specified intervals.

Maintenance operations	as needed	annually
Clean the switch surface	X	
Check cables for intactness and firm fit		X
Check screw connections for tightness		X

NOTICE

Abrasive aids and solvents contained in cleaning agents can attack the plastic of the button!

- Clean the surface of the button with a neutral cleaning agent or a damp microfiber cloth
- Do not use abrasive aids such as steel wool and steel brushes

Disassembly with lock nut

- Disconnect the system from its voltage supply and secure it against being switched on again
- Disconnect the electrical connection and remove the lock nuts

Disposal

Different types of electrical and electronic components must be recycled according to their type. All applicable statutory, state and local laws and regulations must be complied with.

Approvals



EN Contacts in one section must be same polarity
FR Les contacts dans la partie ON doivent être de même polarité

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