

Bowden Cable for Power Entry Modules



Type A (Snap-in mounting)
 Phase-out
 Last Order date: 30.06.2017
 Last delivery date: 30.09.2017

Type B (Screw-on mounting)
 Phase-Out
 Last order date: 31.03.2015

See below:
[Approvals and Compliances](#)

Description

- Component :
- Snap-in mounting from front side
- Approved together with power entry module

Characteristics

- Designed for universal industrial applications

References

Fits to type: [CD-Bowdencable](#); [CG-Bowdencable](#); [KD-Bowdencable](#); [KG-Bowdencable](#)

Weblinks

[pdf data sheet](#), [html datasheet](#), [General Product Information](#), [Distributor-Stock-Check](#), [Accessories](#), [Detailed request for product](#)

Remote Actuator Technology

The remote actuator cable assembly consists of a wire cable inside of a plastic insulated spiral wire casing. Identifying a proper routing of the cable assembly is important. Deviations from line to line placement will require bends in the cable with resulting losses in the overall assembly. These inefficiencies show up as friction losses and lost motion. Frictional losses are increases in actuation force due to losses in the assembly. Lost motion is an undesirable difference between the input end of the assembly and the output end. The principle element of lost motion is backlash and deflection. Backlash is caused by the wire cable moving inside the casing with the change in direction of motion. It is the function of clearance between the wire cable and casing, plus the number of degrees of bend in the cable assembly. Deflection of the cable assembly, while usually low, can be minimized by anchoring the casing.

This is especially true in those applications of cable assemblies with long lengths and/or large degrees of bend in the system.

All of these losses and resulting inefficiencies can be reduced by the equipment designer through minimizing the total degree of bend in the assembly. Because of the number of variables effecting proper operation of any remotely actuated switch assembly, it is important that the ordering instructions be used to determine proper cable length and to provide samples for customer approval.

Consult figure for minimum information required to describe cable assembly application.

How to specify length of a Bowden cable:

R Mounting parallel to direction of actuation

B1 Actuating part

B2 Power entry module

S Mounting 90° to direction of actuation

B1 Actuating part

B2 Power entry module

R a / b / c /

S a / b / c /

Ordering example:

The following 3 positions are necessary to place an order:

1. Order No. socket KD14.4199.151
2. Order No. fuse drawer 4303.2024.03
3. Bowden cable (type of mounting /dimensions in mm) *R a/200 b/180 c/40

* The Order No. for a customer specific Bowden cable you'll get with the acknowledgment. Delivery time for a customer specific Bowden cable sample approx. 2 weeks. Standard Bowden cable sample, Order No. 0886.0101, ex stock



Approvals and Compliances

Detailed information on product approvals, code requirements, usage instructions and detailed test conditions can be looked up in [Details about Approvals](#)

SCHURTER products are designed for use in industrial environments. They have approvals from independent testing bodies according to national and international standards. Products with specific characteristics and requirements such as required in the automotive sector according to IATF 16949, medical technology according to ISO 13485 or in the aerospace industry can be offered exclusively with customer-specific, individual agreements by SCHURTER.




Application standards

Application standards where the product can be used

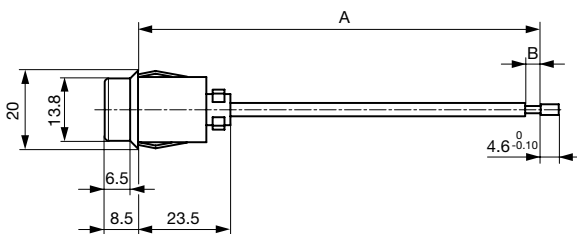
Organization	Design	Standard	Description
	Designed for applications acc.	IEC/UL 60950	IEC 60950-1 includes the basic requirements for the safety of information technology equipment.
	Designed for applications acc.	IEC 60601-1	Medical electrical equipment - Part 1: General requirements for basic safety and essential performance

Compliances

The product complies with following Guide Lines

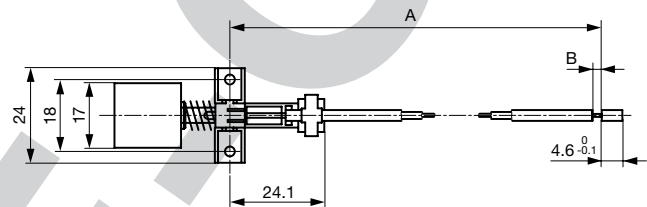
Identification	Details	Initiator	Description
	RoHS	SCHURTER AG	Directive RoHS 2011/65/EU, Amendment (EU) 2015/836
	REACH	SCHURTER AG	On 1 June 2007, Regulation (EC) No 1907/2006 on the Registration, Evaluation, Authorization and Restriction of Chemicals 1 (abbreviated as "REACH") entered into force.
	Medical Technology	SCHURTER AG	Suitable for use in medical equipment according to IEC/UL 60601-1

Dimension [mm]



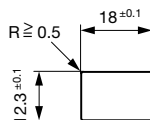
Type A (Snap-in mounting)

Dimension A will be evaluated and defined in trials by SCHURTER based on customer information a, b and c. (See Type R and Type S diagram below.)

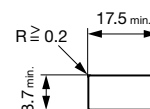


Type B (Screw-on mounting)

Dimension A will be evaluated and defined in trials by SCHURTER based on customer information a, b and c. (See Type R and Type S diagram below.)

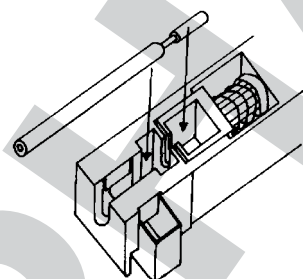


Panel cutout for snap-in mounting

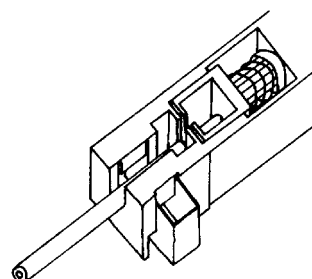


Panel cut-out for screw version

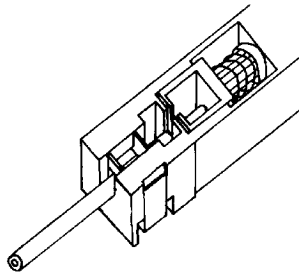
Assembly Instructions



Drop bowden barrel into seat of switch

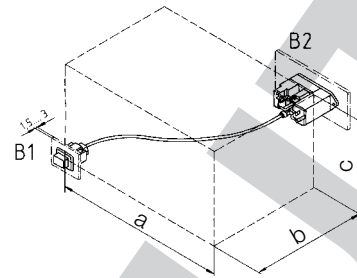


Slide clamp around cable



Bowden cable locked into assembly

Type R



Type R

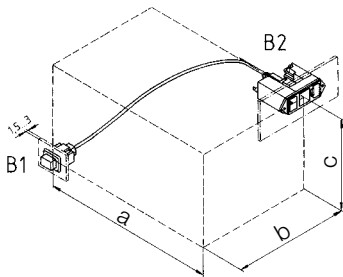
R Mounting parallel to direction of actuation

B1 Actuating part

B2 Power entry module

Dimensions in mm (center of mounting \emptyset [B1], outer surface to center of mounting \emptyset [B2] outer surface)

Type S



Type S

S Mounting 90° to direction of actuation

B1 Actuating part

B2 Power entry module

Dimensions in mm (center of mounting \emptyset [B1], outer surface to center of mounting \emptyset [B2], outer surface)

Packaging unit 50 Pcs