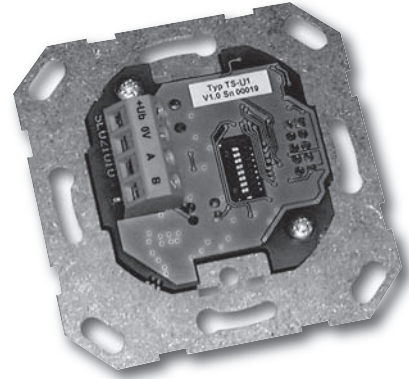


## Universal button interface TS-U1

### General

The TS-U1 button interface connects application modules and touch sensors to the ISYGLT BUS. The coupler allows you, for example, to operate all the functions of the **EIB** – LevySidus touch sensor attachments easily in the ISYGLT BUS. We also provide LevySidus **EIB** touch sensors. If you require couplers for touch sensors by other manufacturers, please request these separately.



*(The **EIB** is a registered trade mark of **EIBA Brüssel**).*

### In- / Outputs

- 2 - 8 inputs (buttons)
- 2 - 8 outputs (LED, red, green integrated in calliper cap)

### Function displays

- 1 yellow LED signalise by permanent illuminating the operating voltage. Steady flashing indicates the communication to the master via subnet.
- If the LED flashes very fast, the coupler isn't parametrised.

### Connections

- 2 connections for the subnet (BUS A and B, RS-485)
- 2 connections for the operating voltage (+Ub, 0V)

### Design

- Printed boards on mounting plate for standard flush mounted box.  
Special designs available on request.

### Special function DIP switch 1

- reserve  
- switch must stand on "OFF"

### Technical data

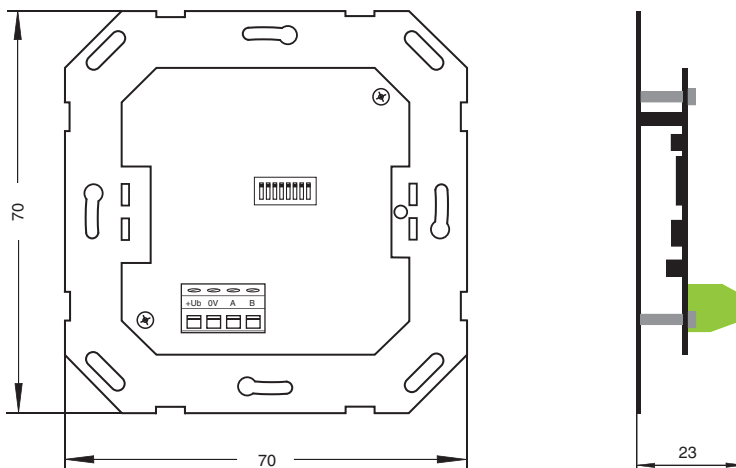
<b>Type</b>	<b>TS-U1</b>
Art. Nr.	80023210
Operating voltage	12V - 35V DC, 12 - 27V AC
Current consumption	25mA at 24V (5 LED on)
Subnet (RS-485)	max. 5,6V limited by Z-diodes

TS-U1	Continued
Dimensions	LxBxH 72x72x24mm
Weight	ca. 55g incl. mounting plate
Connection	Screw terminals 2,5mm <sup>2</sup> for BUS
Operating voltage	-10...+50°C
Storage temperature	-25...+70°C
Humidity	0 ...85 % r.F. non condensing
Protection class	IP00
ESD immunity	Category 2 according to IEC-1000-4-2
EMC immunity	Use in typical industrial environment. Category 3 according to IEC-1000-4-4 (Test was carried out within a whole system)
CE mark	yes

### Terminal assignment

≅ Ub	Operating voltage
0V	Operating voltage
A	Subnet (BUS A, RS-485)
B	Subnet (BUS B, RS-485)

### View



**Application example**



Frame: stainless steel  
Sensor: anthracite 1/2-times



Frame: glass  
Sensor: anthracite 3/6-times

**Wiring diagram**

