

# DATA SHEET

## DSU 2U

Article number 09501136



[Internetlink](#)



### Function

"Couplers for external systems" are devices that can send and receive external voltages or protocols. For this reason they can also be called interfaces. The DSU 2U signal converter is a component of the Dupline installation system and facilitates the implementation of two voltage signals for transmission on the Dupline bus. The inputs are suitable for direct voltages from 20 V to 300 V or alternating voltages from 20 V to 250 V at 50 Hz; polarity does not matter. Mixed operation is also permitted. When properly mounted and using one voltage type for all channels, the DSU 2U meets the conditions for SELV between the mains and control side. The operating voltage is supplied from the Dupline bus, meaning decentralised installation, e.g. in sockets/boxes or recessed spaces, is possible. The green LED on the front indicates that the Dupline bus is functioning properly.

### Features

two inputs for direct voltages from 20 V to 300 V or alternating voltages from 20 V to 250 V, Power supply from the Dupline bus, compact design

### Mounting

using side lugs on planar surfaces, without lugs in recessed sockets/boxes (deep design preferably)

### Applications

Decentralised components are primarily suitable for retro-fitting, when load lines are kept short and only the undemanding bus lines should be used.

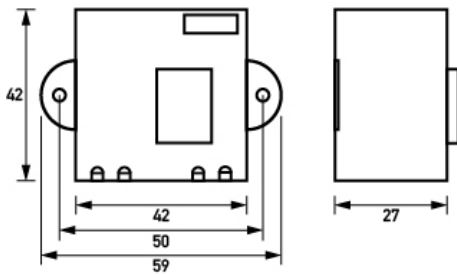
The input module is especially suitable for supplying external signals, e.g. from motion detectors, push-buttons, switches and other contacts.

### Technical Data

Technical Data	DSU 2U
Series	DSU 2U
design	Dupline
max. IF Bus system input channel	2
current consumption bus	max. 500 µA
Operating voltage source	Bus signal
	Display Bus signal
Type	LED (green)
	Control input
number	2
Galvanically separated	true
Rated voltage (AC)	20 V ... 250 V
Rated voltage (DC)	20 V ... 300 V
Rated current	15 mA (min. 0.1 mA)
	Push wire terminal (Control input)
Clamping area	0.6 mm <sup>2</sup> ... 0.8 mm <sup>2</sup>
	Cable LiYv with ferrules (Bus connection)
Clamping area	max. 0.75 mm <sup>2</sup>
General data description	General data
Operating position	any
Ambient temperature	-10 °C ... 35 °C

Technical Data	DSU 2U
Permissible humidity	max. 85 %
Housing type	in-wall housing
Mounting type	Socket/box installation
Housing material	Polyamide 6 (PA 6)
Protection class	IP20
Width	42 mm
Height	42 mm
Depth	37 mm
Width with lugs	59 mm
Installation depth	37 mm
Design requirements/Standards	EN 60669-1, EN 55022, EN 61000-6-3, EN 61000-6-1, EN 55024

**Dimensions**



**Wiring example**

