



DATA SHEET

DSU 1U

Article number 09501206



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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 1U Signal Converter is a component of the Dupline installation system and is able to convert one voltage signal for transmission on the Dupline bus. The input is suitable for AC voltages from 90 V to 265 V. There is no need to observe a specific polarity. The signal converter activates the encoded channel when exceeding a voltage difference of 90 V AC and disables the channel when the voltage drops below 60 V AC. As it is supplied by the Dupline bus and due to the compact housing size of the device, it is excellently suited for mounting e. g. in switch socket boxes or cavities.

Features

input for alternating voltages with 265 V AC, switch-on when 65 V AC is exceeded, very compact design, Power supply from the Dupline bus

Mounting

in-wall mounting

Applications

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

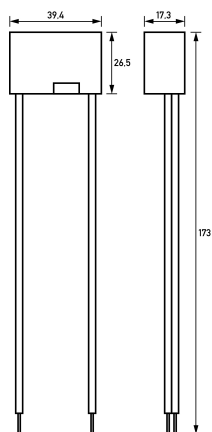
The input module is especially suitable for supplying external signals, e.g. from motion detectors, push-buttons, switches and other contacts.

Technical Data

Technical Data	DSU 1U
Series	DSU 1U
Sensor voltage threshold switch-on (low)	90 V
Sensor voltage threshold switch-off (high)	60 V
design	Dupline
max. IF Bus system output channel	0
max. IF Bus system input channel	1
current consumption bus	1000 µA ... 1400 µA
Operating voltage source	Bus signal
	Control input
number	1
Rated voltage (AC)	90 V ... 265 V
Rated power	0.5 VA
	Massivleiter (Bus connection)
Clamping area	max. 0.75 mm ²
	Massivleiter (Control input)
Clamping area	max. 1.5 mm ²
General data description	General data

Technical Data	DSU 1U
Operating position	any
Ambient temperature	-20 °C ... 50 °C
Permissible humidity	max. 80 %
Housing type	in-wall housing
Mounting type	Socket/box installation
Housing material	Noryl resin GFN 1
Protection class	IP20
Width	26 mm
Height	39 mm
Depth	17 mm
Installation depth	17 mm
Design requirements/Standards	EN 60664

Dimensions



Dimensional drawing Group view