DATA SHEET

DSS 4UR-N

Article number 09501241

Internetlink

Function

Switch connections display an interface between the system and switches from switch programs. The DSS 4 UR-N/-P are components from the Dupline installation system with four inputs and outputs in a semiconductor design. The modules also enable the integration of standard switches with feedback. Thanks to their design, they fit behind installation switches in deep UP switch sockets. Standard switches and switching contacts are operated on the DSS 4 UR-N/-P using the three supplied four-wire system cables fitted with ferrules. In doing so, an internal trigger signal extension prevents multiple switches as a result of possible switch bounces. The DSS 4UR-N/-P outputs can each be loaded with max. 50 mA. In principle, any consumer can be used; when using bulbs as light sources, e.g. for feedback, the switch-on current must not exceed the maximum load. Therefore – and as a result of the longer service life – we recommend using LEDs. While electrical consumers are operated at 0 V DC on the DSS 4 UR-N, they must be connected to the DSS 4 UR-P at +24 V DC.

Features

4 inputs insulated from bus signal 24 V DC, 4 semiconductor outputs 24 V DC for feedback at LED or glow lamps, system cables supplied with approx. 200 mm long multi-way wires, spring-loaded terminals with double outputs for looping through the Dupline bus, easy addressing using DHK 1 encoder, very low current consumption

Mounting

mounting in deep in-wall sockets/boxes (Ø 60 mm), any installation position

Applications

Within the Dupline system the DSS 4UR devices are suitable for general use as sensors/actuators in the implementation of inputs and outputs. They are especially suitable forconnecting switches (also with feedback) and, integrating switches and indicator lights in panels.

Technical Data

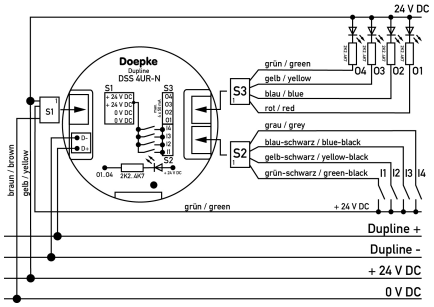
Technical Data	DSS 4UR-N
Series	DSS 4UR-N
design	Dupline
max. IF Bus system output channel	4
max. IF Bus system input channel	4
current consumption bus	750 µA
Operating voltage (DC)	24 V (21.5 V ... 26.5 V)
Current consumption (DC)	max. 0.009 A
	Semiconductor input
number	4
Galvanically separated	true
Rated voltage (DC)	24 V
Rated current	max. 1 mA
	Semiconductor output
Specification	Semiconductor
Number	4
Rated voltage (DC)	24 V (21.5 V ... 26.5 V)
	Spring-loaded clamp (Bus connection, Voltage supply)
Clamping area	0.4 mm² ... 0.8 mm²

Technical Data	DSS 4UR-N
General data description	General data
Operating position	any
Ambient temperature	-10 °C ... 45 °C
Permissible humidity	max. 85 %
Housing type	in-wall housing
Mounting type	Socket/box installation
Housing material	Polyamide 6 (PA 6)
Protection class	IP20
Width	52.5 mm
Height	52.5 mm
Depth	13.7 mm
Protection class according to EN 60335	III

Dimensions

Dimensional drawing Group view

Wiring example



Wiring diagram