

DATA SHEET

DSM 1U

Relay modules for in-wall installation

Article number 09501114



[Internetlink](#)



Function

Relay and blind control devices facilitate the switching of electrical consumers separately from the system potential. Use is very flexible as a result and involves awnings and gate actuators in addition to luminaires and other single-phase consumers. To switch multiphase consumers or consumers with high loads, downstream contactors, for example, are recommended. The DSM 1U is a component of the Dupline installation system and permits the switching of one load which may have a current consumption of up to 13 A. Because of its small dimensions it is especially suitable for fitting into flush-mounted sockets or other small spaces. The DSM 1U does not require an external power supply as it is supplied by the Dupline signal. A faulty Dupline signal will result in the output's being automatically switched on or off: this status can be preprogrammed with the DHK 1.

Features

relay output for 230 V AC/13 A, very compact design, Power supply from the Dupline bus

Mounting

in-wall mounting

Applications

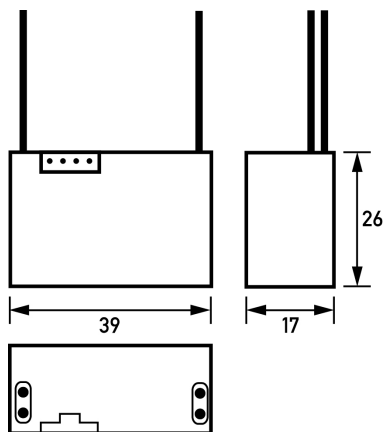
Decentralised components are primarily suitable for retro-fitting, when load lines are kept short and only the undemanding bus lines should be used.

Technical Data

Technical Data	DSM 1U
Series	DSM 1U
design	Dupline
max. IF Bus system output channel	1
current consumption bus	1.1 µA ... 3.1 µA
Operating voltage source	Bus signal
	Load circuit
Specification	Relay
Number	2
Rated voltage (AC)	230 V (200 V ... 250 V)
max. Output O1 rated power glow lamps	3000 VA
max. Output O1 rated power HV halogen lamps	2500 VA
max. Output O1 Rated power fluorescent lamp compensated	600 VA
max. Output O1 Rated power fluorescent lamp not compensated	2400 VA
	Massivleiter (Load circuit)
Allowed types of wires	massive conductors

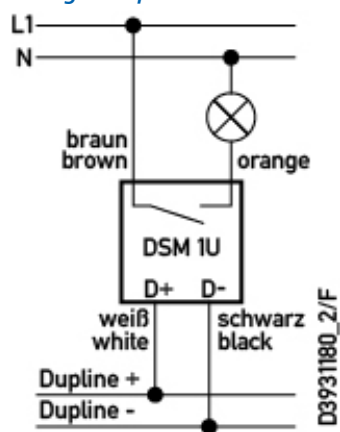
Technical Data	DSM 1U
Connection C1 Maximum number of conductors per terminal	2
Cross section solid	2-wire: max. 1.5 mm ²
	Massivleiter (Bus connection)
Allowed types of wires	massive conductors
Cross section solid	2-wire: max. 0.75 mm ²
General data description	General data
Operating position	any
Ambient 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
Design requirements/Standards	EN 60669-1

Dimensions



Dimensional drawing Group view

Wiring example



Wiring diagram