



DATA SHEET

DTS 2

Article number 09501168



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Function

Sensors detect digital or analogue properties qualitatively or quantitatively, assess these and convert them to a system-compatible format. Typical examples are temperature and brightness. The DTS 2 temperature sensor is a component of the Dupline installation system and facilitates the conversion of analogue temperature values (-30°C to +60°C) for transmission via the Dupline bus. The DTS 2 transmits the temperature value to a freely encodable Dupline channel and does not require an external power supply as it is supplied from the Dupline signal lines. Its design allows it to fit into conventional in-wall recessed sockets/boxes, but the device is also suitable for on-wall mounting if the supplied housing is used.

Features

temperature sensor for indoors, measuring range -30°C to +60°C, Power supply from the Dupline bus

Mounting

on-wall mounting or, in-wall mounting in recessed socket

Applications

The temperature sensor is suitable for measuring temperature indoors.

Notes

The temperature sensor must not be exposed to increased humidity. In this case the DTS 1 is recommended.

Technical Data

Technical Data	DTS 2
Series	DTS 2
max. Sensor, measuring error, relative	2 %
min. Sensor measuring range temperature	-30 °C
max. Sensor measuring range temperature	60 °C
Sensor resolution temperature	0.35 °C
Sensor time constant temperature (air flow 0 m/s)	450 s
Sensor time constant temperature (air flow 1 m/s)	350 s
design	Dupline
max. IF Bus system output channel	1
current consumption bus	800 µA
Operating voltage source	Bus signal
	Sensor input
	Strain relief clamp (Bus connection)
Clamping area	0.4 mm ² ... 1.5 mm ²
General data description	General data
Ambient temperature	-30 °C ... 60 °C

Technical Data	DTS 2
Housing type	wall-mounted housing, in-wall housing
Mounting type	Socket/box installation
Housing material	ABS resin
Protection class	IP20
Width	84 mm
Height	84 mm
Depth	34 mm