



## DATA SHEET

### DTS 2-P

Article number 09501172



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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-P temperature sensor PCB 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-P 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. It is designed to fit in conventional housings for installation in recessed in-wall sockets/boxes.

#### Features

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

#### Mounting

Can be integrated in in-wall sockets with front cover that is permeable to air

#### 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. As the DTS 2-P is an open printed circuit board, sufficient earthing must be ensured during processing.

#### Technical Data

Technical Data	DTS 2-P
Series	DTS 2-P
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
Clamping area	Strain relief clamp (Bus connection) 0.4 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
General data description	General data
Ambient temperature	-30 °C ... 60 °C
Housing type	printed circuit board

Technical Data	DTS 2-P
Width	52 mm
Height	52 mm
Depth	20 mm