



STL190/2 and STL190/3 (delivery state)

# SMD PINS STL190

## for KNX Applications

The pins of the STL190 are positioned by means of a carrier pad at a spacing clearance of 5.75 mm. As the carrier pad is made of high-temperature proof material and is designed as a pick-and-place pad, the STL190 can be used in the reflow soldering process (see title photo). After soldering, remove the carrier pad from the pins – only the optimally-aligned pins remain on the circuit board. By using these SMT pins, there is no need for drill

holes on the circuit board, so the back of the circuit board can be used for other components (see back title).

### Advantages at a glance

- » Reflow-capable
- » Automatic insertion (tape-on-reel)
- » Space-saving
- » Input terminal voltage 29 V (30 V) – no need for approvals
- » Differences in pin lengths and numbers of poles allow a wide range of uses
- » Can be combined with KNX connectors of various manufacturers

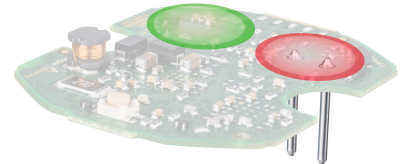
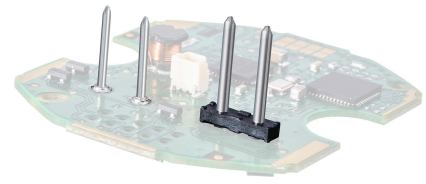
# Technical Data // STL190

## Fields of application

- » KNX applications in home, building and system technology

## Availability

- » 2 and 3 poles, in tape-on-reel
- » Various pin lengths are available 5.4 mm, 8.0 mm, 10.5 mm, 12.0 mm, 14.4 mm, 16.6 mm, further pin lengths on request



STL190 in comparison with classic THT pin strip – top and underside. Back of circuit board can be used for additional components. No need for additional drill holes on the circuit board.

### MATERIALS

Contact Pin Copper Alloy

### INSULATING MATERIAL

Material PPS

Flammability Class UL 94 V-0

### TEMPERATURES

Operating Temperature (without mech. load) -40 °C – 105 °C

### REFLOW PROCESS

Soldering Temperature, recommended 217 °C – 245 °C

Peak Soldering Time, recommended 60 s

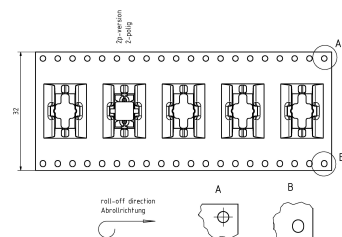
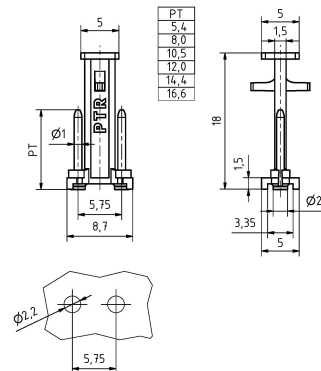
### TAPE-ON-REEL (FOR ALL PIN LENGTH)

Poles	Reel (RD/“)	Width (R/mm)	Pitch (RP/mm)	Pieces (PCS)
2 / 3	13	32	16	200

### ELECTRICAL DATA

Input Terminal Voltage	29 V (30 V)
Current	6 A

## TECHNICAL DRAWING



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