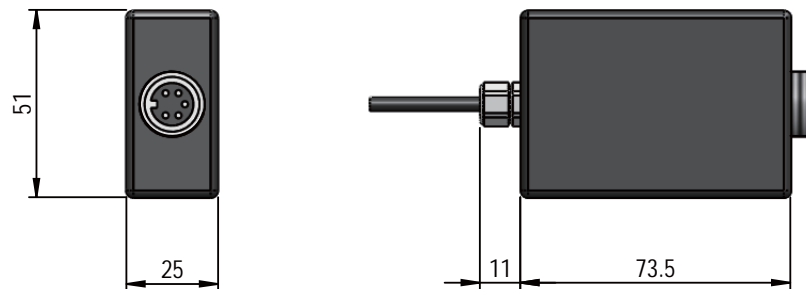


# Cable-Module

**Signal conditioning for T-series transducers, socket to accept transducer plug, output signal  $\pm 10$  VDC or  $\pm 5$  VDC, for full specification displacement of the transducer**

|                   |   |             |                             |             |                             |             |                             |             |                             |             |                             |             |   |             |                             |             |                             |
|-------------------|---|-------------|-----------------------------|-------------|-----------------------------|-------------|-----------------------------|-------------|-----------------------------|-------------|-----------------------------|-------------|---|-------------|-----------------------------|-------------|-----------------------------|
| Application       | Signal conditioning for T-series transducer<br>For TESA® compatible halfbridge models   |             |                             |             |                             |             |                             |             |                             |             |                             |             |   |             |                             |             |                             |
| Dimension         | Box 73.5 x 51 x 25 mm   |             |                             |             |                             |             |                             |             |                             |             |                             |             |   |             |                             |             |                             |
| Supply voltage    | Supply voltage 5, 12 or 24 VDC ( $\pm 10$ %) (Please specify with order)<br>Current consumption 120, 50 or 25 mA  |             |                             |             |                             |             |                             |             |                             |             |                             |             |   |             |                             |             |                             |
| Signal output     | $\pm 10$ VDC for transducer<br><br><table border="0"> <tr> <td>T071 / T072</td> <td>Measuring stroke <math>\pm 1</math> mm</td> </tr> <tr> <td>T101 / T102</td> <td>Measuring stroke <math>\pm 1</math> mm</td> </tr> <tr> <td>T201 / T202</td> <td>Measuring stroke <math>\pm 1</math> mm</td> </tr> <tr> <td>T301 / T302</td> <td>Measuring stroke <math>\pm 2</math> mm</td> </tr> <tr> <td>T401 / T402</td> <td>Measuring stroke <math>\pm 1</math> mm</td> </tr> <tr> <td>T501 / T502</td> <td>Measuring stroke <math>\pm 5</math> mm (Setting 1 : 5)</td> </tr> <tr> <td>T521 / T522</td> <td>Measuring stroke <math>\pm 2</math> mm</td> </tr> <tr> <td>T523 / T524</td> <td>Measuring stroke <math>\pm 1</math> mm</td> </tr> </table><br>(Other specifications upon request) | T071 / T072 | Measuring stroke $\pm 1$ mm | T101 / T102 | Measuring stroke $\pm 1$ mm | T201 / T202 | Measuring stroke $\pm 1$ mm | T301 / T302 | Measuring stroke $\pm 2$ mm | T401 / T402 | Measuring stroke $\pm 1$ mm | T501 / T502 | Measuring stroke $\pm 5$ mm (Setting 1 : 5) | T521 / T522 | Measuring stroke $\pm 2$ mm | T523 / T524 | Measuring stroke $\pm 1$ mm |
| T071 / T072       | Measuring stroke $\pm 1$ mm   |             |                             |             |                             |             |                             |             |                             |             |                             |             |   |             |                             |             |                             |
| T101 / T102       | Measuring stroke $\pm 1$ mm   |             |                             |             |                             |             |                             |             |                             |             |                             |             |   |             |                             |             |                             |
| T201 / T202       | Measuring stroke $\pm 1$ mm   |             |                             |             |                             |             |                             |             |                             |             |                             |             |   |             |                             |             |                             |
| T301 / T302       | Measuring stroke $\pm 2$ mm   |             |                             |             |                             |             |                             |             |                             |             |                             |             |   |             |                             |             |                             |
| T401 / T402       | Measuring stroke $\pm 1$ mm   |             |                             |             |                             |             |                             |             |                             |             |                             |             |   |             |                             |             |                             |
| T501 / T502       | Measuring stroke $\pm 5$ mm (Setting 1 : 5)   |             |                             |             |                             |             |                             |             |                             |             |                             |             |   |             |                             |             |                             |
| T521 / T522       | Measuring stroke $\pm 2$ mm   |             |                             |             |                             |             |                             |             |                             |             |                             |             |   |             |                             |             |                             |
| T523 / T524       | Measuring stroke $\pm 1$ mm   |             |                             |             |                             |             |                             |             |                             |             |                             |             |   |             |                             |             |                             |
| Connection        | Supply and signal: cable PVC, length 1 m, prepared wires<br>Transducer: socket 5 pin, 270 °   |             |                             |             |                             |             |                             |             |                             |             |                             |             |   |             |                             |             |                             |
| Transducer supply | 3 V $\pm 0.5$ % RMS / 13 kHz $\pm 5$ %  |             |                             |             |                             |             |                             |             |                             |             |                             |             |   |             |                             |             |                             |
| Sensitivity       | 73.75 mV/(Vmm) (into R = 2 kOhm $\pm 0.1$ %)  |             |                             |             |                             |             |                             |             |                             |             |                             |             |   |             |                             |             |                             |
| Ordering          | See examples for ordering on page 56  |             |                             |             |                             |             |                             |             |                             |             |                             |             |   |             |                             |             |                             |

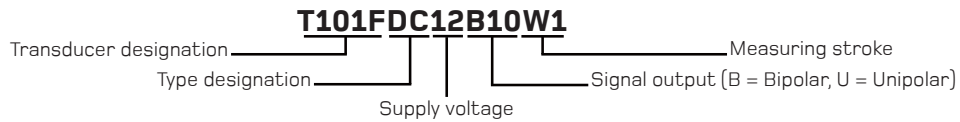
## Drawing



# Examples for ordering

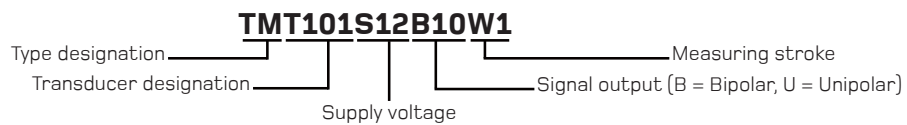
## DC-Transducer

T101F as DC-Transducer with supply voltage 12 V, signal output  $\pm 10$  V and measuring stroke  $\pm 1$  mm:



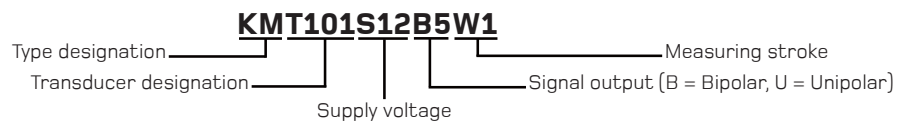
## T-Module

T-Module with supply voltage 12 V, signal output  $\pm 10$  V and measuring stroke  $\pm 1$  mm for a T101:



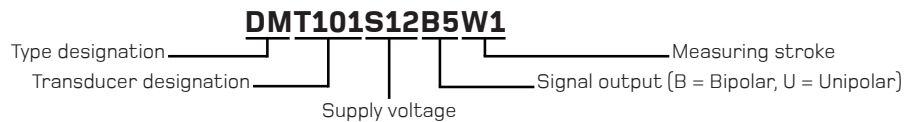
## Cable Module

Cable Module with supply voltage 12 V, signal output  $\pm 5$  V and measuring stroke  $\pm 1$  mm for a T101:



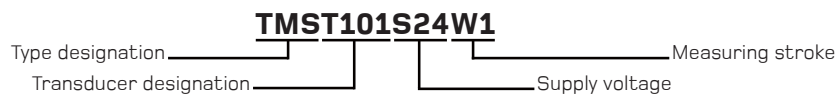
## DIN-Rail Module

DIN-Rail Module with supply voltage 12 V, signal output  $\pm 5$  V and measuring stroke  $\pm 1$  mm for a T101:



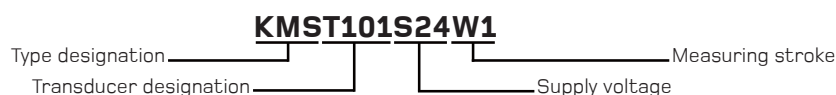
## T-Module Current Interface

T-Module Current Interface with supply voltage 24 V and measuring stroke  $\pm 1$  mm for a T101:



## Cable-Module Current Interface

Cable-Module Current Interface with supply voltage 24 V and measuring stroke  $\pm 1$  mm for a T101:



## DIN-Module Current Interface

DIN-Module Current Interface with supply voltage 24 V and measuring stroke  $\pm 1$  mm for a T101:

