

# THERMOCOUPLES: TYPE JTCS V12

## WITH COMPENSATED CONNECTOR

### DESCRIPTION:

Thermocouple with moulded-on compensated connector with M12 male thread.

### FEATURES:

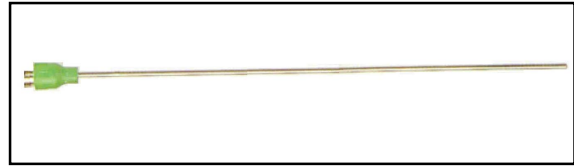
- Vibration-resistant design
- High degree of environmental protection
- Can be formed to suit application

### DATA:

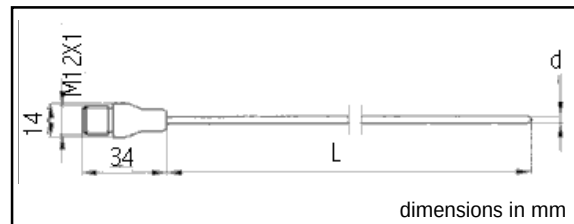
**Sensing element** ..... Single or duplex  
 ..... thermocouple type K or J  
**Maximum temperature** ..... 1150°C (type K)  
 ..... 600°C (type J)  
 ..... 90°C (connector)  
**Construction** .. Densely packed MgO insulation  
 ..... Ungrounded hot junction  
**Minimum bending radius** ..... 3 x d  
**Sheath material** ..... Inconel 600 for type K  
 ..... AISI 304 SS for type J  
**Diameter d** ..... 3, 4.5, 6mm  
**Length L** ..... 250 - 1500mm  
**Connector** ..... M12X1 metal thread  
 ..... DIN-VDE 0627  
 ..... Compensated male connector  
 ..... Moulded nylon body  
 ..... IP67 protection  
**Insulation** ..... 100MΩ at 100V d.c.

### OPTIONS:

- Other diameters
- Other lengths



### DIMENSIONS:



### CODING:

e.g. JTCSV12KD30S501

| Example  | Description          | Code                     | Value                      |
|----------|----------------------|--------------------------|----------------------------|
| JTCS V12 | Type                 |                          |                            |
| K        | Sensing element type | K<br>J                   | K-IEC<br>J-IEC             |
| D        | Number of elements   | S<br>D                   | Single<br>Double           |
| 30       | Sheath diameter d mm | 30<br>45<br>60           | 3.0<br>4.5<br>6.0          |
| S501     | Sheath length L mm   | 251<br>501<br>102<br>152 | 250<br>500<br>1000<br>1500 |

Data sheet D-JTCSV12-1

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