

# Sheathed thermocouple with cable

### Seria 20-TOM

Sheathed thermocouples of the 20-TOM series are characterized by high resistance to vibrations and high flexibility with diameters below 3mm.

Thermocouples generate a voltage signal [mV] directly dependent on the measured temperature and type of thermocouple (J, K, S etc.).

The voltage dependence on temperature is defined in the IEC 60584 standard.

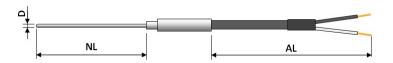
Thermocouples are mainly made in accuracy class 1 according to IEC 60584 and have an insulated hot junction.

Other versions are available on request,

e.g. grounded or exposed hot junction.

20-TOM series includes the following thermocouples:

- · Sheathed thermocouples with cable
- · Sheathed thermocouples with connection head
- · Sheathed thermocouples with plug
- Sheathed thermocouples with a socket
- · Sheathed thermocouples with free ends



| Description    |                       |
|----------------|-----------------------|
| Туре           | 20-40204299-0150.A.TM |
| Article number | 16019782              |

Sheathed thermocouple with Icable terminated with free ends. The connection of sheath thermocouple with cable is protected by a metal sleeve with a diameter of 5mm. The wires of the cable are marked colors according to IEC 60584.

#### **Technical parameters**

| Туре                      | 1 x Fe-CuNi / J        |
|---------------------------|------------------------|
| Hot junction              | insulated              |
| Mesuring range            | -50+800°C              |
| Accuracy                  | class 1 acc. IEC 60584 |
| Nominal length NL         | 150mm                  |
| Diameter D                | 1mm                    |
| Sheath material           | Inconel 2.4816         |
| Cable length AL           | 2000mm                 |
| External cable insulation | PFA                    |
| Cable ambient temperature | -50+ 260°C             |
| Cable termination         | free ends              |

#### **Marking**

| Wires color coding according to IEC EN60584  white - black + | black<br>+<br>white |
|--|---------------------|
|  |                     |

Mounting accessories, screw fittings, flanges, mounting covers, plugs and sockets are included in other catalog cards and on the website.

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