

# LEX50 Ex ta/tb certified thermocouple

## Construction

|                            |                                                                                                                                          |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| <b>ATEX execution</b>      | II 1 D Ex ta IIIC T85°C...T300°C Da<br>II 1/2 D Ex ta/tb IIIC T85°C...T300°C Da/Db<br>II 2 D Ex tb IIIC T85°C...T300°C Db                |
| <b>ATEX certificate</b>    | DEKRA 17ATEX0123 X                                                                                                                       |
| <b>IECEX execution</b>     | Ex ta IIIC T85°C...T300°C Da<br>Ex ta/tb IIIC T85°C...T300°C Da/Db<br>Ex tb IIIC T85°C...T300°C Db                                       |
| <b>IECEX certificate</b>   | IECEX DEK 17.0046X                                                                                                                       |
| <b>Suitable for zone</b>   | 1, 2 and 20, 21, 22                                                                                                                      |
| <b>Ingress protection</b>  | IP65 / IEC529                                                                                                                            |
| <b>Ambient temp. range</b> | -40°C...+75°C, this can be limited depending on the materials applied such as cables, connection heads, junction boxes and transmitters. |

## Connection head

|                    |                                                                    |
|--------------------|--------------------------------------------------------------------|
| <b>Model</b>       | DAN-AK (showed), other Ex ia/ib certified connectionheads possible |
| <b>Material</b>    | Aluminium, plastic or stainless steel                              |
| <b>Cable entry</b> | M20x1.5 standard, other threads possible                           |

## Measuring insert

|                     |                                          |
|---------------------|------------------------------------------|
| <b>Construction</b> | Springloaded and replaceable             |
| <b>Springaction</b> | >10mm standard, >40mm optional           |
| <b>Diameter</b>     | 6.0mm standard, other diameters possible |
| <b>Type</b>         | Mineral insulated (MgO)                  |

## Thermocouple

|                    |                                          |
|--------------------|------------------------------------------|
| <b>Calibration</b> | K, T, J, E, R, S, B, U, N or L           |
| <b>For duplex</b>  | KK, TT, JJ, EE, RR, SS, BB, UU, NN or LL |
| <b>Accuracy</b>    | According to IEC 60584-1                 |

## Extension

|                           |                                                                |
|---------------------------|----------------------------------------------------------------|
| <b>Type</b>               | Nipple - union - nipple standard, other constructions possible |
| <b>Material</b>           | Stainless steel                                                |
| <b>Style / Connection</b> | 1/2"NPT standard, other threads possible                       |
| <b>Length</b>             | 150mm standard, other lengths possible                         |

