

# ML7038D Multipoint temperature sensor with spring contact system

|                                    |                                                                                   |
|------------------------------------|-----------------------------------------------------------------------------------|
| <b>Measuring system</b>            |                                                                                   |
| <b>Measuring point</b>             | Each sensor mineral insulated                                                     |
| <b>Type</b>                        | Thermocouple or Pt100 sensors                                                     |
| <b>Construction</b>                | Leaf spring at each measuring point                                               |
| <b>Design</b>                      |                                                                                   |
| <b>Leaf springs</b>                | Welded to a guiding tube or strip                                                 |
| <b>Temperature</b>                 | 250°C is the upper limit of the springs, above they loose the spring function     |
| <b>Length L1 to Ln</b>             | Customer to specify                                                               |
| <b>Replacement</b>                 | In case of replacement the bundle must be changed                                 |
| <b>Thermocouple sensor</b>         |                                                                                   |
| <b>Thermocouple type</b>           | K, T, J, E or N                                                                   |
| <b>Hot junction</b>                | Grounded or ungrounded                                                            |
| <b>Sensor diameter</b>             | 1.5, 3.0, 4.5, 4.8 or 6.0mm                                                       |
| <b>Type</b>                        | Mineral insulated ( MI ) cable                                                    |
| <b>Sheath material</b>             | Customer to specify (SS316, SS321, SS10, Inconel 600 or other materials possible) |
| <b>Accuracy</b>                    | According IEC 60584                                                               |
| <b>Pt100 sensor</b>                |                                                                                   |
| <b>Pt100 type</b>                  | Vibration proof Superior class Pt100 detectors                                    |
| <b>Style / Connection</b>          | 2, 3 or 4-wire system                                                             |
| <b>Accuracy</b>                    | Class A or B according to IEC 60751                                               |
| <b>Thermowell</b>                  |                                                                                   |
| <b>Construction</b>                | Built-up thermowell with welded end-cap                                           |
| <b>Dimensions</b>                  | Depending of process data, to specify                                             |
| <b>Process connection</b>          | Flanged: size, rating, facing and material to specify                             |
| <b>Junction box</b>                |                                                                                   |
| <b>Material</b>                    | Polyester, Stainless steel, or coated aluminium                                   |
| <b>Cable entry</b>                 | Threaded or with cable gland                                                      |
| <b>Terminals</b>                   | Terminals on a standardized DIN rail                                              |
| <b>Transmitters</b>                | Can be integrated, wired and programmed, any brand                                |
| <b>ATEX or IECEx certification</b> | Optional Exe, Exi or Exd, to specify                                              |



## Ordering code

\*This datasheet is purely indicative, build-up of model code may vary from this datasheet.

Model

ML7038D