



technical data

| | |
|-------------------------------------|---|
| measuring range | -5°C...105°C |
| response time | T05=6sec/ T09=18sec *1 |
| outer diameter tube D | 6mm |
| material (process-intrusive) | V2A/V4A |
| connection wire (cable-jacket/wire) | PVC/PVC 90°C(short-term 105°C), 2x0,35mm ² |
| protection category | IP63 according to DIN EN 60529 |
| protection class | III |
| insulation resistance | 500V |
| tensile strain (cable to sleeve) | max 20N |
| colour of cable | black/anthracite |

ambient conditions

| | |
|----------------------|--------------------------|
| application area | liquid and gaseous media |
| storage temperature | +5°C...+70°C |
| process pressure | max 1,5 bar |
| dew-point-resistance | no |

Miscellaneous

| | |
|-----------|--|
| labelling | by engraving on sleeve, "batch-no+WW/YY" |
|-----------|--|

Type key configuration

| Pos.: | Physical characteristics | Key | Characteristic |
|-------|--------------------------|-----|--|
| 1 | length of sleeve HL | A0 | 45mm |
| | | A1 | 35mm |
| | | A2 | 60mm |
| | | A3 | 100mm |
| 2 | sensorelement-type | B0 | Pt100, tolerance class B according to DIN EN 60751 |
| | | B1 | Pt100, tolerance class A according to DIN EN 60751 |
| | | B2 | Pt100, tolerance class AA according to DIN EN 60751 |
| | | B3 | Pt1000, tolerance class B according to DIN EN 60751 |
| | | B4 | Pt1000, tolerance class A according to DIN EN 60751 |
| | | B5 | Pt1000, tolerance class AA according to DIN EN 60751 |
| | | B6 | NTC 10K@25°C B25/85=3977 B±1%/R±1% *2 |
| | | B7 | NTC 5K@25°C B25/85=3977 B±1%/R±1% *3 |
| | | B8 | NTC 10K@25°C B25/85=3435 B±1%/R±1% *3 |
| | | B9 | NTC 2,2K@25°C B25/85=3552 B±1%/R±1% *3 |
| | | B10 | KTY81-210 |
| | | B11 | KTY84-130 |
| | | B12 | KTY81-121 |
| B13 | KTY81-110 | | |
| 3 | cable length KL | C0 | 1000mm-50+100 *4 |
| | | C1 | 1500mm-50+100 *4 |
| | | C2 | 2000mm-50+100 *4 |
| | | C3 | 2500mm-50+100 *4 |
| | | C4 | 5000mm -100+200 *4 |
| 4 | sensor connection | D0 | wire end sleeves orange 0,5mm ² |
| | | D1 | wire end sleeves grey 0,75mm ² |
| | | D2 | wire ends tinned |

Existing configurations

| Type | Order number | Item number | Old order number |
|------|--------------|-------------|------------------|
|------|--------------|-------------|------------------|

Remarks

*1 measured in water 70°C, 0,04m/sec

*2 !!! CAUTION: This sensor element can only be loaded up to 125°C (short-term 150°C). The maximum temperature of the sensor is affected by this restriction!!!

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*4 stripping length AL=40mm +10-10

Revision

| Version | Effective from | Comment |
|------------|---------------------|---------------------|
| <u>1.0</u> | 20.03.2014 15:19:32 | Typenblatt angelegt |