



TECHNICAL DATA

| | |
|-------------------------------------|--------------------------------|
| measuring range | -40°C...150°C |
| response time | T05=5sec/ T09=15sec *1 |
| material (process-intrusive) | 1.4404/1.4571 (316L/316Ti) |
| outer diameter tube D | 4mm |
| protection category | IP68 according to DIN EN 60529 |
| protection class | III |
| tensile strain (cable to sleeve) | max 20N |
| connection wire (cable-jacket/wire) | silicone/PFA/FEP 2xAWG26/7 |
| insulation resistance | 750V DC Prüfspannung *1 |
| colour of cable | grey |

AMBIENT CONDITIONS

| | |
|---------------------------|--|
| application area | liquid and gaseous media |
| dew-point-resistance | yes* *2 |
| storage temperature | -20°C...+70°C |
| process pressure | at normal pressure |
| installation instructions | zum Einbau in eine geeignete Einlöthülse mit Sicherungsclip *1 |



MISCELLANEOUS

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

IN VERWENDUNG MIT

SK1013

TYPE KEY CONFIGURATION

| Pos.: | Physical characteristics | Key | Characteristic |
|-------|--------------------------|-----|--|
| 1 | length of sleeve HL | A0 | 30mm *1 |
| 2 | sensorelement-type | B0 | Pt100, tolerance class B according to DIN EN 60751 |
| | | B1 | Pt100, tolerance class A according to DIN EN 60751 |
| | | B2 | Pt1000, tolerance class B according to DIN EN 60751 |
| | | B3 | Pt1000, tolerance class A according to DIN EN 60751 |
| | | B4 | NTC 10K@25°C B25/85=3977 B±1%/R±1%, valid from 50°C, <50°C is B2%/R2% *3 |
| 3 | cable length KL | C0 | 2000mm-50+100 *4 |
| | | C1 | 5000mm -100+200 *4 |
| 4 | sensor connection | D0 | wire end sleeves 0,25mm ² |

EXISTING CONFIGURATIONS

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

REMARKS

measured in water 70°C, 0,04m/sec

*1 measured in water 70°C, 0,04m/sec

*2 We recommend to use Platin sensor-elements or special glass-encapsulated NTC sensorchips. When using epoxy-encapsulated NTC the user has to take into account that the NTC may have a reduced lifetime.

*3 NTC glas encasulated, Tmax=250°C

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

We reserve the right to make technical modifications and correction at any time without prior notice!

This version of the data / type sheet is a translation by a partner. We assume no liability for translation errors. If the translation contains errors or ambiguities, the German version of the data / type sheet is to be used.

REVISION

| Version | Effective from | Comment |
|------------|---------------------|---------------------|
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