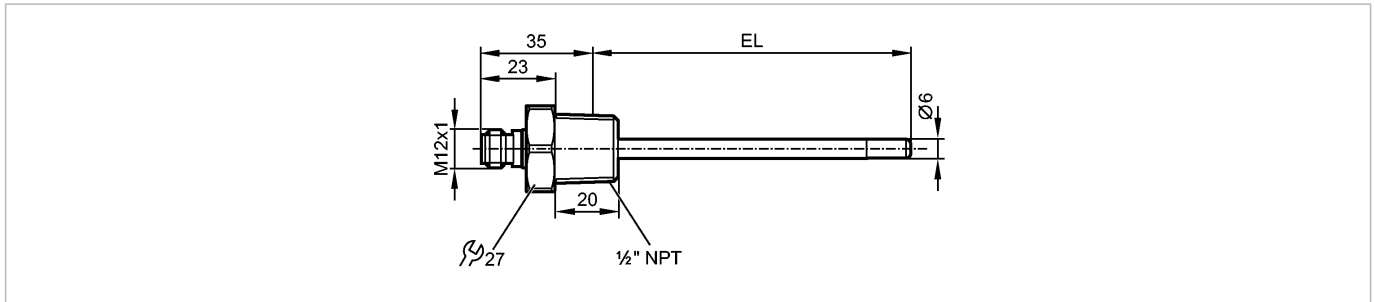


TM4341

TM-150KFBN12- /US/

Temperature sensors



Product characteristics

| |
|--|
| Temperature sensor for connection to a control monitor with a max. operating voltage of 32 V |
| Quick disconnect |
| Process connection: 1/2" NPT |
| Installation length EL: 150 mm |
| gold-plated contacts |
| Connection to control monitor TP / TR |
| Measuring range: -40...150 °C / -40...302 °F |
| Measuring element: 1 x Pt 100, to DIN EN 60751, class A |

Application

| | |
|---------------------------------|-------------------|
| Application | liquids and gases |
| Pressure rating [bar] | 160 |
| Minimum installation depth [mm] | 15 |

Electrical data

| | |
|-------------------------------|---------|
| Connection to control monitor | TP / TR |
| Protection class | III |

Measuring / setting range

| | | |
|-----------------|--------------|--------------|
| Measuring range | -40...150 °C | -40...302 °F |
|-----------------|--------------|--------------|

Accuracy / deviations

| | |
|----------|--------------------------|
| Accuracy | ± (0.15 K + 0.002 x t) |
|----------|--------------------------|

Reaction times

| | |
|--------------------------------|----------|
| Dynamic response T05 / T09 [s] | 1 / 3 *) |
|--------------------------------|----------|

Environment

| | |
|--------------------------|----------------|
| Ambient temperature [°C] | -25...80 |
| Protection | IP 68 / IP 69K |

Tests / approvals

| | | |
|----------------------|----------------------|---------------------|
| Shock resistance | DIN EN 60068-2-2-27: | 50 g (11 ms) |
| Vibration resistance | DIN EN 60068-2-6 | 10 g (10...2000 Hz) |
| MTTF [Years] | | 22831 |

Mechanical data

| | |
|-----------------------------|-------------------------------|
| Process connection | 1/2" NPT |
| Materials (wetted parts) | stainless steel 316L / 1.4404 |
| Probe diameter [mm] | 6 |
| Probe length L [mm] | 142 |
| Installation length EL [mm] | 150 |
| Housing materials | stainless steel 316L / 1.4404 |

TM4341

TM-150KFBN12- /US/

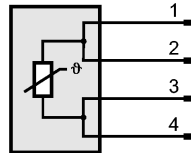
Temperature sensors

| | | |
|--------|------|-------|
| Weight | [kg] | 0.196 |
|--------|------|-------|

Electrical connection

| | |
|------------|-------------------------------------|
| Connection | M12 connector; gold-plated contacts |
|------------|-------------------------------------|

Wiring



Remarks

| | |
|---------|---|
| Remarks | <p>cULus - Class 2 source required *) according to DIN EN 60751 The values for accuracy apply to flowing water.</p> |
|---------|---|

| | | |
|---------------|---------|---|
| Pack quantity | [piece] | 1 |
|---------------|---------|---|