Temperature Switch

50°C, 60°C, 90°C / IP65, IP69K

According to the cooler type and size, our temperature switches fit on all coolers and connectors with BSP $\frac{1}{2}$ ^e threads. Please contact us for the compatibility of the products. IP69K switch types (ILLZTH5069K, ILLZTH6069K and ILLZTH9069K) work in combination with our temperature control units ILLZTC12-2K (12V) and also with ILLZTC24-2K (24V). This is a simple on/off mode, according to the switch temperature. The control unit benefit is the soft start curve, extending the life time of the fan motor.

On request we offer various other bi-metal temperature switches with different temperature settings, protection classes and connection makes.









Temperature Control

Technical Data

| order number | description | connection | protection | switch temperature | difference | weight |
|--------------|-------------------------|-------------------|------------|--------------------|------------|--------|
| | | | | [°C] | [°C] | [kg] |
| ILLZTH5069K | temperature switch 50°C | AMP superseal 1,5 | IP 69K | 50 ± 5 | 10 | 0,10 |
| ILLZTH6069K | temperature switch 60°C | AMP superseal 1,5 | IP 69K | 60 ± 5 | 10 | 0,10 |
| ILLZTH9069K | temperature switch 90°C | AMP superseal 1,5 | IP 69K | 90 ± 5 | 10 | 0,10 |

Characteristics

| screw part material | brass |
|------------------------|--------------|
| mounting | any position |
| max. tightening torque | 50Nm |
| number of cycles | 100.000 |
| counter connector | included |

Combinations

all coolers and connectors with BSP 1/2" threads

Electric Characteristics

| contact | N.O. (normal open) |
|-------------------------|--------------------|
| maximum current | 12V AC: 10A |
| | 24V AC: 10A |
| | 120V AC: 15A |
| | 230V AC: 10A |
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Use power relay for switching!

Ambient Conditions

| oil temperature range | -20°C to +100°C | |
|---------------------------|-----------------|--|
| ambient temperature range | -20°C to +85°C | |
| storage temperature range | -60°C to 110°C | |

This data sheet shows a technical overview of our products. Please contact us if more exact information is needed. As we are constantly improving our products, their characteristics, dimensions and weights may also change, although we do our best to incorporate these changes continually. The information in this data sheet is intended to be used as a first general guideline only, as assumes no liability for any information therein, any errors, omissions, misprints, nor any direct or indirect damages, losses or costs resulting therefrom. The cooling performance and the general technical values indicated in this catalogue are measured at a test bench according to as a testing procedures. Because there is no standardized testing procedure, tests used by other manufacturers could have different results. Due to different results. Due to different results. Due to different results. Due to different results are according and application environments the cooling performance may also vary by +/- 15%. Therefore we recommend all coolers to be checked under the system operating conditions. This is also true of vibrations and mechanical stress as well as for pressure peaks and thermal stress and any other relevant factors.