

# BI-METALLIC TEMPERATURE SWITCH TYPE TC27

|                         |  |
|-------------------------|--|
| Max. Voltage:           | 250 Vac  |
| Current:                | 10A Resistive @ 250 Vac<br>5A Resistive @ 24 Vdc<br>10A Resistive @ 12 Vdc |
| Fluid temperature:      | -30 ÷ 145 °C   |
| Switching temperature:  | 30 ÷ 120 in step of 5 °C   |
| Tolerance:              | ± 3,5 °C   |
| Hysteresis:             | < 15 °C  |
| Approval:               | CE   |
| Contacts:               | Normally Open (O)<br>Normally Closed (C)                                   |
| Body material standard: | Brass  |
| Protection:             | IP65 with EN 175301-803 connector<br>(rotatable connector)                 |
| Mounting:               | Body Sw 27   |



Rev.03/2016

## ORDERING CODE

**TC27 85 AL C 12**

|   |
|---|
| <b>TYPE</b>   |
| Temperature switch Sw27 with rotatable connector  |
| <b>TEMPERATURE AVAILABLE</b>  |
| 30 - 35 - 40 - 45 - 50 - 55 - 60<br>65 - 70 - 75 - 80 - 85 - 90 - 95<br>100 - 105 - 110 - 115 - 120 |
| <b>BODY MATERIALS</b>   |
| BR - SS3 - SS6 - NK   |
| <b>CONTACTS</b>   |
| O (open) - C (closed)   |
| <b>PROCES CONNECTIONS</b>   |
| 14T - 12 - 14 - 38 - M22<br>14N - 12N   |

## CODE EXPLANATION

### TYPE

TC27 Bi-Metallic temperature switch Sw 27 with rotatable connector EN 175301-803

### RANGE

|     |                |
|-----|----------------|
| 30  | 30 °C ± 3,5°C  |
| 35  | 35 °C ± 3,5°C  |
| 40  | 40 °C ± 3,5°C  |
| 45  | 45 °C ± 3,5°C  |
| 50  | 50 °C ± 3,5°C  |
| 55  | 55 °C ± 3,5°C  |
| 60  | 60 °C ± 3,5°C  |
| 65  | 65 °C ± 3,5°C  |
| 70  | 70 °C ± 3,5°C  |
| 75  | 75 °C ± 3,5°C  |
| 80  | 80 °C ± 3,5°C  |
| 85  | 85 °C ± 3,5°C  |
| 90  | 90 °C ± 3,5°C  |
| 95  | 95 °C ± 3,5°C  |
| 100 | 100 °C ± 3,5°C |
| 105 | 105 °C ± 3,5°C |
| 110 | 110 °C ± 3,5°C |
| 115 | 115 °C ± 3,5°C |
| 120 | 120 °C ± 3,5°C |

### BODY MATERIALS

|     |                         |
|-----|-------------------------|
| BR  | Brass                   |
| AL  | Anodized red Aluminium  |
| SS3 | Stainless steel AISI303 |
| SS6 | Stainless steel AISI316 |
| NK  | Brass Nickel Plated     |

### CONTACTS

|   |                 |
|---|-----------------|
| O | Normally Open   |
| C | Normally Closed |

### CONNECTIONS Quote A

|     |  |
|-----|--|
| 14T | 1/4" BSPT - L1=12 mm                     |
| 12  | 1/2" BSPP - L1=13,5 mm                   |
| 14  | 1/4" BSPP - L1=12 mm (no aluminium body) |
| 38  | 3/8" BSPP - L1=13,5 mm                   |
| M22 | M22 x 1.5 - L1= 13,5 mm                  |
| 14N | 1/4" NPT - L1=12 mm                      |
| 12N | 1/2" NPT - L1=18 mm                      |

### SPECIAL EXECUTION (on request)

Further temperature ranges  
Connections Gas, SAE, NPT, Metric

