

BI-METALLIC TEMPERATURE SWITCH TYPE TC27

Max. Voltage:	250 Vac
Current:	10A Resistive @ 250 Vac 5A Resistive @ 24 Vdc 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) Normally Closed (C)
Body material standard:	Brass
Protection:	IP65 with EN 175301-803 connector (rotatable connector)
Mounting:	Body Sw 27



Rev.03/2016

ORDERING CODE

TC27 85 AL C 12

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