

Not for new design

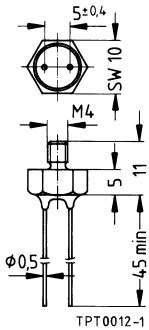
20 V

Applications

- Limit temperature sensor in screw-type case

Features

- Insulated screw-type metal case, thread M4
- Tinned leads
- Color-coded sealing with black dot
- Case permits good thermal coupling



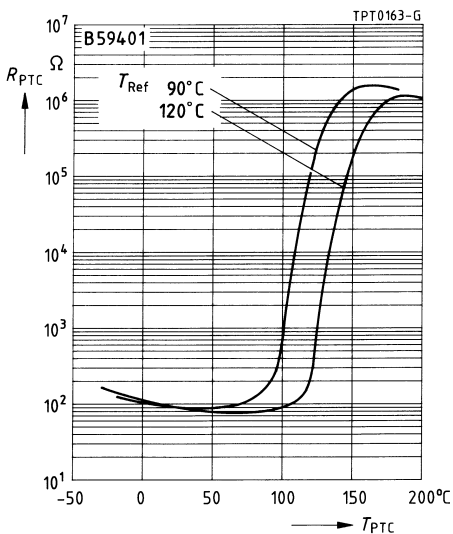
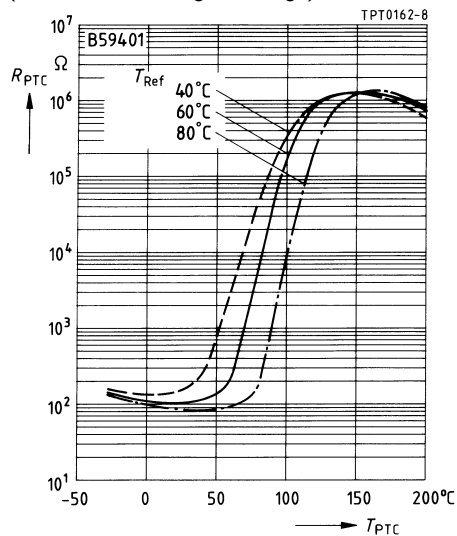
Dimensions (mm)

Max. operating voltage	$V_{\max}$	20	V
Tolerance of rated resistance	ΔR_N	+ 50/– 25 %	
Insulation test voltage	V_{is}	3	kV ac
Response time	t_a	< 50	s
Operating temperature range ($V = 0$)	T_{op}	– 25/+ 125	°C
($V = V_{\max}$)	T_{op}	0/60	°C

Type	$T_{\text{Ref}} \pm \Delta T$ °C	R_N Ω	R_{Ref} Ω	$R(T_{\text{Ref}} - \Delta T)$ Ω	$R(T_{\text{Ref}} + \Delta T)$ Ω	$R_{\min}$ Ω
D 401	40 ± 5	130	230	≤ 350	≥ 170	115
D 401	60 ± 5	80	160	≤ 240	≥ 120	80
D 401	80 ± 5	80	152	≤ 230	≥ 110	76
D 401	90 ± 5	80	152	≤ 230	≥ 110	76
D 401	120 ± 5	80	148	≤ 225	≥ 105	74

Characteristics (typical)

PTC resistance R_{PTC} versus PTC temperature T_{PTC}
(measured at low signal voltage)



Type	$I_{\max}$ mA	T_{Rmin} $^\circ\text{C}$	T_{PTC} $^\circ\text{C}$	$R(T_{PTC})$ Ω	Color of sealing	Ordering code
D 401	175	-10	95	$\geq 100 \text{ k}$	blue	B59401-D40-A40
D 401	270	20	110	$\geq 100 \text{ k}$	violet	B59401-D60-A40
D 401	270	40	125	$\geq 100 \text{ k}$	orange	B59401-D80-A40
D 401	270	50	130	$\geq 100 \text{ k}$	clear	B59401-D90-A40
D 401	270	80	155	$\geq 100 \text{ k}$	green	B59401-D120-A40