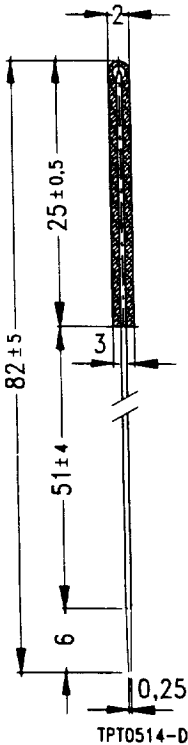


Applications

- Liquid level detection in tanks (oil, gas, etc.) and household appliances

Features

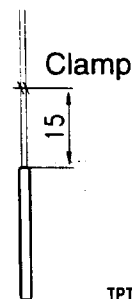
- Hermetically sealed stainless steel case (withstands liquid pressure of up to 10 bar)
- Solderability complies with IEC 68-2-20
- Rust- and acid-resistant in accordance with DIN 17440



Dimensions (mm)

Type			Ordering code	
D 1010			B59010-D1135-B40	
Max. operating voltage	$V_{\max}$	24	V	
Rated resistance	R_{25}	100 – 200	Ω	
Pressure test	p	25	bar	
Operating temperature range ($V = 0\text{ V}$)	T_{op}	– 55/+ 100	$^{\circ}\text{C}$	
	T_{op}	– 25/+ 50	$^{\circ}\text{C}$	
Number of cycles	($R_V = 100\ \Omega$, $V = V_{\max}$) N	5000		
Residual current in oil	($V = 12\text{ V}$, $T_A = 50\ ^{\circ}\text{C}$) $I_{r,\text{oil}}$	≥ 45	mA	
Residual current in air	($V = 14\text{ V}$, $T_A = - 25\ ^{\circ}\text{C}$) $I_{r,\text{air}}$	$\leq 33,5$	mA	
Minimum resistance	($V = 24\text{ V}$) $R_{\min}$	70	Ω	
Switching time	t_S	2	s	
Settling time	t_E	40	s	
Surface temperature	($V = 24\text{ V}$) T_{surf}	< 200	$^{\circ}\text{C}$	

Test set-up



- Unclipped leads, held at the ends by clamps
- Sensor in vertical position
- Distance of clamping point to body: min. 15 mm
- Pellet points downwards
- Settling time after application of voltage: min. 40 s

Limits of operating range

