R01

RTD Assembly With Screwed / Flanged Connection



Special Features

- Spring loaded design for positive contact with thermowell
- Available in various connections & sheath diameters
- Reference Standard : IEC 751 / DIN 43760

Application

- Such assemblies are generally inserted in existing Thermowells / protection tubes
- This assembly can be provided with threaded connection and Thermowell

Specifications

Standard Version

No of element : Simplex Element type : Pt - 100 Range - $70 \text{ till } 500^{\circ}\text{C}$

Accuracy : Class 'B' Tolerance as per IEC - 751 / DIN 43760

Wire Configuration : 3 Wire System
Sheath Diameter : 6.0 mm
Sheath Material : SS 316

Terminal Head Type : Screwed type, weatherproof, IP-65 in Die Cast Aluminum

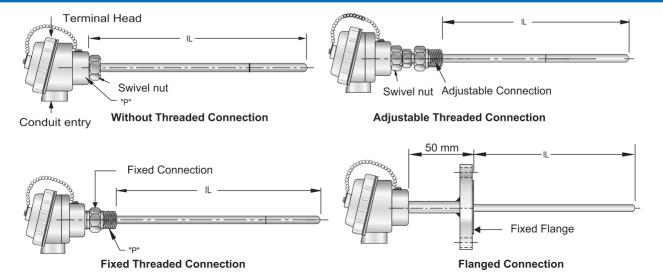
No of Conduit Entry : One

Cable Gland : 3/4" ET, Nickel plated brass, Single Compression

Head Extension Type : Without threaded connection

Immersions Length "IL"mm: 300 mmTag Plate: SS Tag plate

Dimensional Details



Notes: • Drawings are not to scale. • All Dimensions are in mm.

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How	To Order	Example	
Basic	Model	R01	
Optio	onal Extras		
No of	Element		
1 2	Simplex (Standard) Duplex	Χ	
Elem			
P1	Pt - 100 (Standard)		
P2 P3	Pt - 500	XX	
P3 Pt - 1000 Range			
C	-70 till 500°C	X	
		^	
	Accuracy		
В	Class 'A' (-70 till $300^{\circ}C$) for any range beyond this, consult factory. Class 'B'	X	
Wire			
	2 Wire system 3 3 Wire system (Standard) 4 Wire system	X	
Shea	th Diameter		
03	3.0 mm 10 10.0 mm		
	nm Sheath Dia Duplex can not be offered 12 12.0 mm*	XX	
05 06	4.5 mm 16 16.0 mm * 6.0 mm (Standard) P4 ½" Sch 40*		
08	6.0 mm (Standard) P4 ½" Sch. 40*		
* Up			
Shea			
1	SS 316 (Standard) 2 SS 316L		
Term	inal Head Type		
F	Screwed type, Flameproof, IP-67, Gr. IIA IIB in		
E	Die Cast Aluminum Screwed type, Explosion proof, IP-67, Gr. IIC in Die Cast Aluminum		
Н	Hinged type, Weatherproof, IP-67 in Die Cast Aluminum	X	
В	Weatherproof Head, IP-67 in Die-cast Aluminum		
Α	Screwed type, weatherproof, IP-65 in Die Cast Aluminium		
С	Screwed Type, Weatherproof, IP-68 in Die Cast Aluminum		
3	Terminal head in SS 304 - WP, IP-67		
4	Terminal head in SS 316 - WP, IP-67		
* Fo	r other option contact factory		
No of	Conduit Entry / Entries		
1	One entry (Standard) 2 Double entry	Χ	
Cable	e Gland		
A * Fo	3/4" ET (F) B 1/2" NPT(F) r other option please specify	Χ	
Head Extension Type			
FF	Fixed Flange Connection		
AF	Adjustable Flange Connection	XX	
AC	Adjustable connection		
FC	Fixed connection		
XX	Without threaded connection (Standard)		
Imme			
IL - Specify in mm.		300 mm	

Proces		
	ss Conn. "P", SS 316	
2NM 4NM	1½" NPT (M)* 5NF 3/4" NPT (F) ½" BSP(M)* 5BM 3/4" BSP (M) ½" NPT (F)* 5BF 3/4" BSP (F)	XXX
	ole sheath dia. 6, 8 & 10 mm ble sheath dia. for below 6 mm only.	-
Flange	e connection - Refer flange table.	-
(As pe	r ANSI B 16.5)*	
B11 B15	½" 150 # B21 1" 150 # B39 2" 150 # ½" 300 # B22 1" 300 # B40 2" 300 # ½" 600 # B23 1" 600 # B41 2" 600 # 3/4" 150 # B33 1 ½" 150 # B51 3" 150 # 3/4" 300 # B34 1 ½" 300 # B52 3" 300 # 3/4" 600 # B35 1 ½" 600 # B53 3" 600 #	xxx
`	ged connections applicable with sheath	
	ter of 12 mm, 16 mm & ½"Sch. 40 pipe only) consult for other flanges.	
	Options	
13 14 21 22 23 32 33 34 35 36 37 39 41 43 44 45 46 47 48 49 50 FC	Head mounted Temperature transmitter (4-20 mA) SS Base plate suitable for temperature transmitter Plug for conduit entry in carbon steel Plug for conduit entry in SS 304 Plug for conduit entry in SS 316 S. C. cable gland in Nickel plated Brass - WP D. C. cable gland in Nickel plated Brass - WP S. C. cable gland in SS 304 - WP D. C. cable gland in SS 304 - WP D. C. cable gland in SS 316 - WP D. C. cable gland in SS 316 - WP D. C. cable gland in SS 316 - WP D. C. cable gland in Nickel plated Brass - FLP D. C. cable gland in Nickel plated Brass - FLP D. C. cable gland in SS 304 - FLP D. C. cable gland in SS 316 - FLP Plug for conduit entry in AL D. C. cable gland in Nickel plated Brass-Ex proof D. C. cable gland in SS304Ex proof D. C. cable gland in SS316Ex proof FLP / Ex proof plug in SS 304 FLP / Ex proof plug in SS 304 FLP / Ex proof plug in SS 316 FLP / Ex proof plug in Nickel plated Brass Fixed Threaded Connection Adjustable Threaded Connection Calibration Certificate	XX

WP = Weatherproof EX = Explosion proof

Ordering Example:

Note: Specifications and dimensions given in this product catalogue represents the state of engineering at the time of printing. Modifications may take place and materials specified may be replaced by others without prior notice.