

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



GOST

Specifications

Standard Version

No of element : Simplex Element type : Pt - 100

Range : -200°C till 450°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,

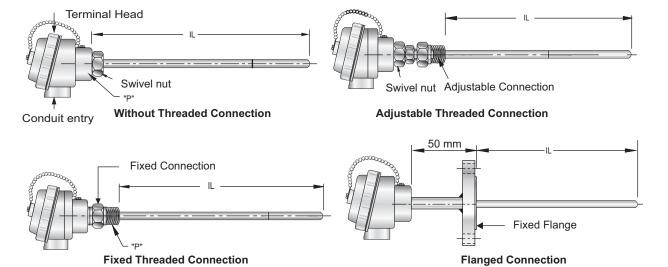
Single Compression

Head Extension Type : Without threaded connection

Immersions Length "IL"mm : 300 mm

Tag Plate : Aluminum Tag Plate

Dimensional Details



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

12 Design and specifications subject to change without notice

RTD Assembly With Screwed / Flanged Connection

How	To Order	Example		
Basic	Model	R01		
	Optional Extras			
	Element			
1		V		
2	Simplex (Standard) Duplex	Х		
Eleme	Elements Type			
P1	Pt- 100 (Standard)			
P2	Pt- 500	XX		
P3	Pt - 1000			
	Range			
С	-200°C till 450°C	Х		
Accur	acy			
A	Class 'A'	Х		
В	Class 'B' (Standard)			
Wire C	Configuration			
_	Wire system 3 3 Wire system (Standard) Wire system	Х		
Sheat	h Diameter			
03	3.0 mm 10 10.0 mm			
05	4.5 mm 12 12.0 mm	XX		
06	6.0 mm (Standard) 16 16.0 mm			
08	8.0 mm P4 ½" Sch. 40			
	h Material			
1 2	SS 316 (Standard) SS 316L			
	nal Head Type			
F	Screwed type, Flameproof, IP-67, Gr. IIA IIB in			
•	Die Cast Aluminum			
Е	Screwed type, Explosion proof, IP-67, Gr. IIC in			
н	Die Cast Aluminum Hinged type, Weatherproof, IP-67 in Die Cast	Χ		
	Aluminum			
В	Weatherproof Head, IP-67 in Die-cast Aluminum			
Α	with cover fitted with two screws. Screwed type, weatherproof, IP-65 in Die Cast			
^	Aluminum (Standard)			
3	Terminal head in SS 304 - WP, IP-67			
4 5	Terminal head in SS 316 - WP, IP-67			
	Terminal head in cast iron, IP-65			
	Conduit Entry / Entries			
1 2	One entry (Standard) Double entry	Χ		
	Gland			
A	3/4" ET (Standard) B 1/2" NPT(F)			
	, , , , , , , , , , , , , , , , , , , ,	Χ		
	Extension Type			
FF AF	Fixed Flange Connection	107		
	Adjustable Flange Connection Adjustable connection	XX		
FC	Fixed connection			
XX	Without threaded connection (Standard)			
Imme	Immersion Length			
IL - Specify in mm.		300 mm		
	- L - 2 7			

## ANM 1/2" NPT (M)* 5NF 3/4" NPT (F) ## ABM 1/2" BSP(M)* 5BM 3/4" BSP (M) ## ANF 1/2" NPT (F)* 5BF 3/4" BSP (F) ## Suitable sheath dia. 6, 8 & 10 mm ## Suitable sheath dia. for below 6 mm only. ## Suitable sheath dia. for below 6 mm only. ## Suitable sheath dia. for below 6 mm only. ## B10 1/2" 300 # B21 1" 150 # B39 2" 150 # ## B10 1/2" 300 # B22 1" 300 # B40 2" 300 # ## B15 3/4" 150 # B33 1 1/2" 150 # B51 3" 150 # ## B16 3/4" 300 # B34 1 1/2" 300 # B52 3" 300 # ## B17 3/4" 600 # B35 1 1/2" 600 # B53 3" 600 # ## Flanged connections applicable with sheath diameter of 12 mm, 16 mm & 1/2" Sch. 40 pipe only) ## Please consult for other flanges. ## Other Options ## Plug for conduit entry in carbon steel ## Plug for conduit entry in SS 304 ## S. C. cable gland in Nickel plated Brass - WP ## 33 D. C. cable gland in SS 304 - WP ## 35 D. C. cable gland in SS 304 - WP ## 36 S. C. cable gland in SS 316 - WP ## 37 D. C. cable gland in SS 316 - WP ## 38 S. C. cable gland in SS 304 - FLP ## 40 S. C. cable gland in SS 304 - FLP ## 41 D. C. cable gland in SS 304 - FLP ## 42 S. C. cable gland in SS 316 - FLP ## 43 D. C. cable gland in SS 316 - FLP ## 45 D. C. cable gland in SS 316 - FLP ## 56 Fixed Threaded Connection ## Adjustable Threaded Connection ## Adjustable Threaded Connection ## Calibration Certificate	How	To Order	Exam
2NM 1/4" NPT (M)# 5NM 3/4" NPT (M) 4NM ½" NPT (M)* 5NF 3/4" NPT (F) 4BM ½" BSP(M)* 5BM 3/4" BSP (M) 4NF ½" NPT (F)* 5BF 3/4" BSP (F) 4BF ½" BSP (F)* *Suitable sheath dia. 6, 8 & 10 mm #Suitable sheath dia. for below 6 mm only. Flange connection - Refer flange table. (As per ANSI B 16.5)* B09 ½" 150 # B21 1" 150 # B39 2" 150 # B10 ½" 300 # B22 1" 300 # B40 2" 300 # B15 3/4" 150 # B33 1 ½" 150 # B51 3" 150 # B16 3/4" 300 # B34 1 ½" 300 # B52 3" 300 # B17 3/4" 600 # B35 1 ½" 600 # B53 3" 600 # (* Flanged connections applicable with sheath diameter of 12 mm, 16 mm & ½"Sch. 40 pipe only) Please consult for other flanges. Other Options 21 Plug for conduit entry in carbon steel 22 Plug for conduit entry in SS 304 23 Plug for conduit entry in SS 304 23 Plug for conduit entry in SS 304 23 Plug for conduit so S 304 - WP 34 S. C. cable gland in SS 304 - WP 35 D. C. cable gland in SS 316 - WP 36 S. C. cable gland in SS 316 - WP 37 D. C. cable gland in SS 316 - WP 38 S. C. cable gland in SS 304 - FLP 40 S. C. cable gland in SS 304 - FLP 41 D. C. cable gland in SS 304 - FLP 42 S. C. cable gland in SS 316 - FLP 43 D. C. cable gland in SS 316 - FLP 44 D. C. cable gland in SS 316 - FLP 54 S. C. cable gland in SS 316 - FLP 55 Fixed Threaded Connection AC Adjustable Threaded Connection AC Adjustable Threaded Connection AC Adjustable Threaded Connection PW Calibration Certificate	Proces	ss Conn. "P", SS 316	
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Rosper ANSI B 16.5 *		•	
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SX SS Tag Plate Note:	21 22 23 32 33 34 35 36 37 38 39 40 41 42 43 FC AC PW SX	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 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 304 - FLP D. C. cable gland in SS 304 - FLP D. C. cable gland in SS 304 - FLP S. C. cable gland in SS 316 - FLP Fixed Threaded Connection Adjustable Threaded Connection Calibration Certificate	XX

DC = Double Compression FLP = Flameproof

WP = Weatherproof

Ordering Example :

R01.X.XX.X.X.X.X.X.X.X.X.300mm.XXX.XXX

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.