

# Amphenol

SINE SYSTEMS

# RT360™

## Circular Connectors



RT360™ industrial circular connectors are multiway connector available in 6 shell sizes and 22 insert arrangements with a variety of wire gauge options. RT360 industrial circular connectors were designed to be intermateable with other industry standard connectors, such as the Souriau TRIM TRIO UTG and UTP industrial connector families and Cannon Trident series.

## FEATURES & BENEFITS

### RT Series

- **16AWG and Mixed Power and Signal** arrangements from 4-28 contacts
- 6 shell sizes and 11 insert configurations
- Operating voltage of 300V
- Alternate keying positions available
- Current ratings from 13A to ( ) A depending on insert arrangement
- Plastic inserts with flammability rating of UL94-V0
- IP67 and 69K rating
- RoHS compliant
- **High Density** arrangements from 6-41 contacts
- 6 shell sizes and 6 insert configurations
- Operating voltage of 150V
- Current rating of 7.5A with Machined contacts and 5A with Stamped and Formed contacts
- Alternate keying positions available
- Plastic inserts with flammability rating of UL94-V0
- IP67 and 69K rating
- RoHS compliant

### RTHP Series




















- Single pole High Power arrangements
- 4 shell sizes and 5 insert configurations
- 3.6mm-10mm contact sizes
- Operating voltage of 630V
- Alternate keying positions available
- Plastic inserts with flammability rating of UL94-V0
- IP67 and 69K rating
- RoHS compliant

<b>Shells</b>	
<b>Backshells and Cable Glands</b>	Zinc Alloy
<b>Coupling Ring</b>	
<b>Coupling Spring</b>	Spring Stainless Steel
<b>Interfacial Seal</b>	Silicone
<b>Insert</b>	Glass-filled Thermoplast UL94-V0
<b>Finish</b>	Nickel
<b>RoHS Compliant</b>	Yes
<b>Operating Temp</b>	-40°C to +105°C
<b>Insulation Resistance</b>	5000 MΩ min.
<b>Durability</b>	500 matings and unmatings
<b>Vibration Resistance</b>	per MIL-STD202 method 204
<b>Thermal Shock</b>	per MIL-STD202 method 207
<b>Corrosion</b>	Salt spray per MIL-STD 202, method 101; 48h (standard version), 96h (black anodised coupling ring) <b>*Higher salt spray resistance (200/500h) upon request.</b>
<b>Degree of Water Protection per DIN 40050</b>	Dynamic IP67 / IP68 in mated condition and in combination with sealed back shell.

# Part Ordering Guide : RT360™ Series Plugs & Receptacles Reference RT360™ Circular Connector catalog

<b>RT</b>	<b>O</b>	<b>6</b>	<b>16</b>	<b>19</b>	<b>P</b>	<b>N</b>	<b>*</b>	<b>*</b>	<b>*</b>
RT	TYPE	BODY VARIATION	SHELL SIZE	INSERT ARRANGEMENT	TYPE OF CONTACTS	INSERT POLARIZATION	APPLICATION	DESIGN VARIATION	PLATING
	O Standard	0 Wall mount recep.	10, 12, 14, 16, 18, 20	See Below	P Pin contacts	N Standard			
	OW High Density	1 Free handling receptacle			S Socket contacts	W, X, Y, Z Custom orientation (consult Sales Rep.)			
		6 Cable plug							
		7 Jam nut recep. / rear panel mount							

## RT360™ Series Insert Configurations

RTO					RTHP Radsok®
#16 Contacts (1.6mm) 13A/250V		VDE Versions Mixed Power/ Signal	Contacts (2.5mm)30A	#20 Contacts (1.0mm) 5A/150V (1) 7.5A/150V (2)	Single Pin Power
<b>Note:</b> Specific to RTOW, (1) refers to Stamped and Formed contacts; (2) refers to Machined contacts.					
Shell 10	 10-4	 10-2 2x#16(13A)/2x#20(5A) 350V AC/DC	N/A	 10-6	N/A
Shell 12	 12-3	 12-8	N/A	 12-10	 12-1 1x3.6mm (107A) 600V AC/DC
Shell 14	 14-12 1x3.6mm	 14-2 2x2.5(23A)/2x#16(13A) 350V AC/DC	 14-4 (23A) 350V AC/DC	 14-19	N/A
Shell 16	 16-19	 16-4 4x #3.6(46A) 400 AC/DC	N/A	 16-26	 16-1 1x6mm (148A) 600V AC/DC
Shell 18	 18-23	N/A	 18-8 (23A) 375V AC/DC	 18-32	 18-1 1x8mm (235A) 600V AC/DC

John Blood, Program Manager  
Toll Free: 1.800.394.7732 Ext. 8641 blood@sineco.com