

**gesis® IP+**  
RST 20i HD Z2  
Heavy-Duty Connectors  
for Class 1, Zone 2  
Hazardous Locations

Catalog 2012

Catch the Next Wave in Modular Connections





# Plug & Go Heavy-Duty Connectors for Class 1, Zone 2 areas

## Connectors

The RST HD Z2 connectors are engineered for use within the harsh & demanding environment of Oil & Gas facilities. The RST HD Z2 family of connectors can be assembled on site or, save time and order pre-fabricated cable sets. Designed for use with tray cables from 6-10mm or 10-14mm in outside diameter (cable insulation jacket) the RST HD Z2 family of connectors can be integrated with many types of power and instrument tray cables.

## Coding

The RST HD Z2 family of connectors and cable-sets are designed to give the designer and installer a complete range of simple to specify, identify and install connectors. Mechanical coding of coloured inserts can virtually eliminates mis-mating issues in the field. Cable-mounted and Panel-mounted housings can contain 2, 3, 4 or 5 pole male/female inserts.

## Applications

The flexibility of the insert housings and inserts of the RST HD Z2 family of connectors allows for simple and quick addition of connectors to your existing panel design. The connectors can be introduced to your end device power or instrument device and give you "plug & go" functionality with very little re-design of your existing design.

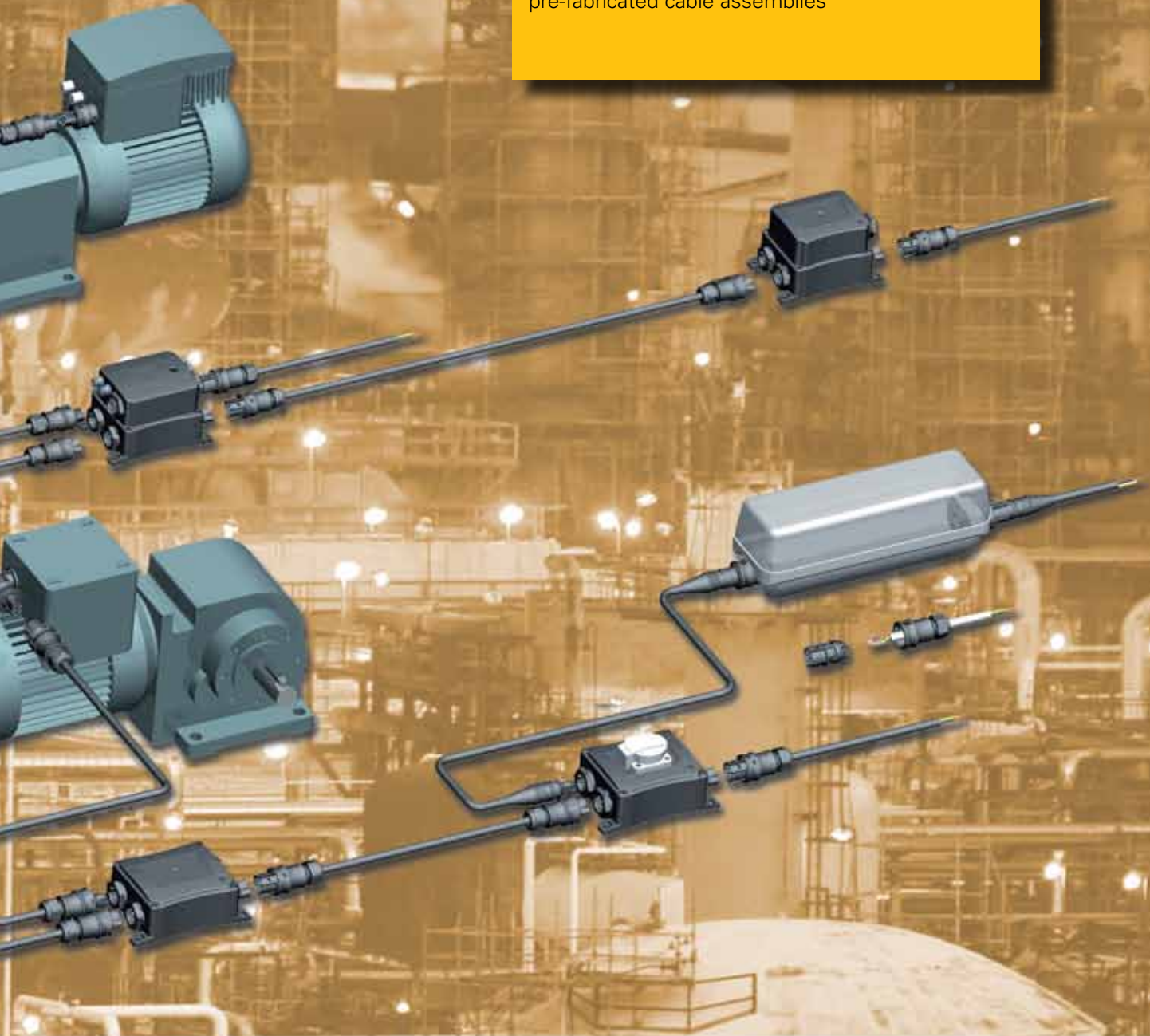
Not sure if they can work with your application?? Talk to Wieland...





**gesis**<sup>®</sup>RST 20 i HD, Z2  
For Installation in Hazardous Locations

20A, 600V, 20-12AWG  
IP66/68, Type 6P rated  
cQPS File #LR1063 (Ex nA IIB + H2 T4 X)  
Mechanical coding of colored inserts  
Double Locking System  
Component parts  
pre-fabricated cable assemblies



Electrical & Instrument Devices can be Installed,  
Removed & Replaced:  
Quickly  
Accurately  
Safely  
Economically

# RST Heavy Duty Class I, Zone 2 RST HD Z2

Coding system via use of coloured inserts\*  
 2 to 5 pole connectors with reinforcing collar\*\*  
 Ratings: 20A , 600V, 20-12AWG  
 Inserts: Screw Clamp (solid or stranded conductors)  
 Enclosure rating: IP 66/68, Type 6P rated  
 Mounting type:  
     Cable Mount (6-10 mm)  
     Cable Mount (10-14 mm)  
 Double Locking System



RST20iX HD Z2 Cable Mount - Female

RST20iX HD Z2 Cable Mount - Male

UL Ratings  
 CSA ratings  
 cQPS (Class I, Zone 2)\*\*\*  
 Dimensions (mm): WxHxD

Wire Size	V	A	Wire Strip Length
22-12 AWG	600	20	42 x 42 x 80
20-12 AWG	600	20	
20-12 AWG	600	20	

Wire Size	V	A
22-12 AWG	600	20
20-12 AWG	600	20
20-12/10" AWG	600	20/30"
42 x 42 x 80		8mm

Approvals



Description	Markings	Insert Colour	Type	Part No.		Type	Part No.	
				Female	Cable Diameter		Cable Diameter	Male
					6 - 10mm		10 - 14mm	
2 POLE	L,N	Gray		34.299.2010.0	34.299.2014.0		34.299.2110.0	34.299.2114.0
	L,N	Black		34.299.2010.1	34.299.2014.1		34.299.2110.1	34.299.2114.1
	+, -	Concrete Gray		34.299.2410.3	34.299.2414.3		34.299.2510.3	34.299.2514.3
	1,2	Brown		34.299.2010.4	34.299.2014.4		34.299.2110.4	34.299.2114.4
		Turquoise						
		Green						
		Light Blue						
3 POLE	L,N,⊕	Gray		34.299.3010.0	34.299.3014.0		34.299.3110.0	34.299.3114.0
	L,N,⊕	Black		34.299.3010.1	34.299.3014.1		34.299.3110.1	34.299.3114.1
	L,N,⊕	Concrete Gray		34.299.3410.3	34.299.3414.3		34.299.3510.3	34.299.3514.3
	1,2,⊕	Brown		34.299.3010.4	34.299.3014.4		34.299.3110.4	34.299.3114.4
		Turquoise						
	1,2,⊕	Green		34.299.3010.7	34.299.3014.7		34.299.3110.7	34.299.3114.7
	1,2,3	Light Blue		34.299.3010.9	34.299.3014.9		34.299.3110.9	34.299.3114.9
4 POLE	1,2,3,⊕	Gray		34.299.4010.0	34.299.4014.0		34.299.4110.0	34.299.4114.0
	1,2,3,⊕	Black		34.299.4010.1	34.299.4014.1		34.299.4110.1	34.299.4114.1
		Concrete Gray						
	1,2,3,4	Brown		34.299.4010.4	34.299.4014.4		34.299.4110.4	34.299.4114.4
		Turquoise						
		Green						
		Light Blue						
5 POLE	1,2,3,N,⊕	Gray		34.299.5010.0	34.299.5014.0		34.299.5110.0	34.299.5114.0
	1,2,3,N,⊕	Black		34.299.5010.1	34.299.5014.1		34.299.5110.1	34.299.5114.1
	L,N,1,2,⊕	Concrete Gray		34.299.5410.3	34.299.5414.3		34.299.5510.3	34.299.5514.3
	1,2,3,4,5	Brown		34.299.5010.4	34.299.5014.4		34.299.5110.4	34.299.5114.4
	L,N,⊕,+, -	Turquoise		34.299.5010.6	34.299.5014.6		34.299.5110.6	34.299.5114.6
		Green						
	1,2,3,4,5	Light Blue		34.299.5010.9	34.299.5014.9		34.299.5110.9	34.299.5114.9

NOTE: \* BLACK and GRAY inserts will intermate.

\*\* For use in Class I, Zone 2 areas, the installation MUST include the reinforcement collars.

\*\*\*Certified to CSA Standards for use in Class I, Zone 2 Areas: cQPS File #LR1063 (Ex nA IIb + H2 T4 X)

# RST HD Z2

Coding system via use of coloured inserts\*  
 2 to 5 pole connectors with reinforcing collar\*\*  
 Ratings: 20A, 600V, 20-12AWG  
 Inserts: Screw Clamp (solid or stranded conductors)  
 Enclosure rating: IP 66/68, Type 6P rated  
 Mounting type:  
 Panel Mount (M20)  
 Panel Mount (M25)  
 Double Locking System



RST20iX HD Z2 Panel Mount - Female

RST20iX HD Z2 Panel Mount - Male

UL Ratings  
 CSA ratings  
 \*\*\*cQPS (Class I, Zone 2)  
 Dimensions (mm): WxHxD

Wire Size	V	A	Wire Strip Length
22-12 AWG	600	20	42 x 42 x 120
20-12 AWG	600	20	
20-12 AWG	600	20	
20-12 AWG	600	20	

Wire Size	V	A
22-12 AWG	600	20
20-12 AWG	600	20
20-12 AWG	600	20
38 x 38 x 120		8mm

Approvals



Description	Markings	Insert Colour	Type	Part No.		Type	Part No.	
				Female Thread Size	Part No.		Male Thread Size	Part No.
2 POLE	L,N	Gray	Female	M20	34.299.2202.0	Male	M20	34.299.2212.0
		Black		34.299.2202.1	34.299.2212.1			
	Concrete Gray	34.299.2602.3		34.299.2612.3				
	1,2	Brown		34.299.2202.4	34.299.2212.4			
	Turquoise							
	Green							
	Light Blue							
3 POLE	L,N,⊕	Gray	Female	M20	34.299.3202.0	Male	M20	34.299.3212.0
		Black		34.299.3202.1	34.299.3212.1			
	L,N,⊕	Concrete Gray		34.299.3602.3	34.299.3612.3			
	1,2,⊕	Brown		34.299.3202.4	34.299.3212.4			
	Turquoise							
	1,2,⊕	Green		34.299.3202.7	34.299.3212.7			
	1,2,3	Light Blue		34.299.3202.9	34.299.3212.9			
4 POLE	1,2,3,⊕	Gray	Female	M20	34.299.4202.0	Male	M20	34.299.4212.0
		Black		34.299.4202.1	34.299.4212.1			
	Concrete Gray							
	1,2,3,4	Brown		34.299.4202.4	34.299.4212.4			
	Turquoise							
	Green							
	Light Blue							
5 POLE	1,2,3,N,⊕	Gray	Female	M20	34.299.5202.0	Male	M20	34.299.5212.0
		Black		34.299.5202.1	34.299.5212.1			
	L,N,⊕,1,2	Concrete Gray		34.299.5602.3	34.299.5612.3			
	1,2,3,4,5	Brown		34.299.5202.4	34.299.5212.4			
	L,N,⊕,+,-	Turquoise		34.299.5202.6	34.299.5212.6			
	Green							
	1,2,3,4,5	Light Blue		34.299.5202.9	34.299.5212.9			

NOTE: \* BLACK and GRAY inserts will intermate.

\*\* For use in Class I, Zone 2 areas, the installation MUST include the reinforcement collars.

\*\*\*Certified to CSA Standards for use in Class I, Zone 2 Areas. cQPS File #LR1063 (Ex nA IIB + H2 T4 X)

# RST HD Z2

Coding system via use of coloured inserts\*  
 2 to 5 pole connectors with reinforcing collar\*\*  
 Ratings: 20A, 600V, 20-12AWG  
 Inserts: Screw Clamp (solid or stranded conductors)  
 Enclosure rating: IP 66/68, Type 6P rated  
 Mounting type:  
 Device Mount (1/2" NPT)  
 Device Mount (3/4" NPT)  
 Double Locking System



RST20iX HD Z2 Device Mount - Female

RST20iX HD Z2 Device Mount - Male

UL Ratings  
 CSA ratings  
 \*\*\*cQPS (Class I, Zone 2)  
 Dimensions (mm): WxHxD

Wire Strip Length

Wire Size	V	A
22-12 AWG	600	20
20-12 AWG	600	20
20-12 AWG	600	20
42 x 42 x 120		8mm

Wire Size	V	A
22-12 AWG	600	20
20-12 AWG	600	20
20-12 AWG	600	20
38 x 38 x 120		8mm

Approvals



Description	Markings	Insert Colour	Type	Part No.		Type	Part No.	
				Female Thread Size	Male Thread Size		Female Thread Size	Male Thread Size
2 POLE	L,N	Gray	Female	1/2" NPT	3/4" NPT	Male	1/2" NPT	3/4" NPT
		Black		34.299.2204.0	34.299.2205.0		34.299.2214.0	34.299.2215.0
	Concrete Gray	34.299.2204.1		34.299.2205.1	34.299.2214.1		34.299.2215.1	
	Brown	34.299.2604.3		34.299.2605.3	34.299.2614.3		34.299.2615.3	
	Turquoise	34.299.2204.4		34.299.2205.4	34.299.2214.4		34.299.2215.4	
	Green							
	Light Blue							
3 POLE	L,N,⊕	Gray	Female	1/2" NPT	3/4" NPT	Male	1/2" NPT	3/4" NPT
		Black		34.299.3204.0	34.299.3205.0		34.299.3214.0	34.299.3215.0
	Concrete Gray	34.299.3204.1		34.299.3205.1	34.299.3214.1		34.299.3215.1	
	Brown	34.299.3604.3		34.299.3605.3	34.299.3614.3		34.299.3615.3	
	Turquoise	34.299.3204.4		34.299.3205.4	34.299.3214.4		34.299.3215.4	
	Green	34.299.3204.7		34.299.3205.7	34.299.3214.7		34.299.3215.7	
	Light Blue	34.299.3204.9		34.299.3205.9	34.299.3214.9		34.299.3215.9	
4 POLE	1,2,3,⊕	Gray	Female	1/2" NPT	3/4" NPT	Male	1/2" NPT	3/4" NPT
		Black		34.299.4204.0	34.299.4205.0		34.299.4214.0	34.299.4215.0
	Concrete Gray	34.299.4204.1		34.299.4205.1	34.299.4214.1		34.299.4215.1	
	Brown	34.299.4204.4		34.299.4205.4	34.299.4214.4		34.299.4215.4	
	Turquoise							
	Green							
	Light Blue							
5 POLE	1,2,3,N,⊕	Gray	Female	1/2" NPT	3/4" NPT	Male	1/2" NPT	3/4" NPT
		Black		34.299.5204.0	34.299.5205.0		34.299.5214.0	34.299.5215.0
	Concrete Gray	34.299.5204.1		34.299.5205.1	34.299.5214.1		34.299.5215.1	
	Brown	34.299.5604.3		34.299.5605.3	34.299.5614.3		34.299.5615.3	
	Turquoise	34.299.5204.4		34.299.5205.4	34.299.5214.4		34.299.5215.4	
	Green	34.299.5204.6		34.299.5205.6	34.299.5214.6		34.299.5215.6	
	Light Blue	34.299.5204.9		34.299.5205.9	34.299.5214.9		34.299.5215.9	

NOTE: \* BLACK and GRAY inserts will intermate.

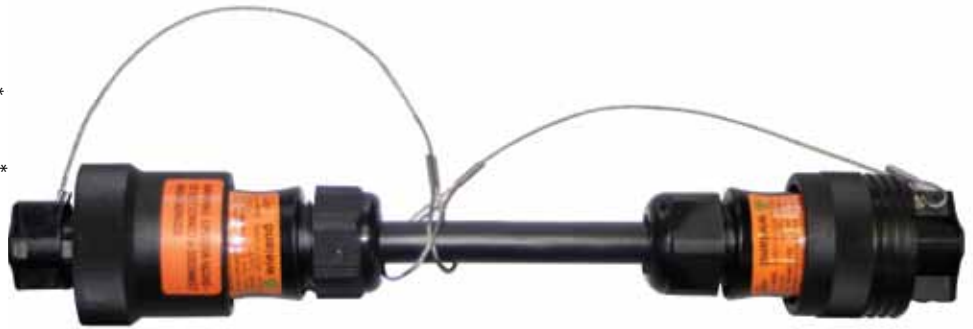
\*\* For use in Class I, Zone 2 areas, the installation MUST include the reinforcement collars.

\*\*\*Certified to CSA Standards for use in Class I, Zone 2 Areas. cQPS File #LR1063 (Ex nA IIB + H2 T4 X)































# RST Heavy Duty Class I, Zone 2 RST HD Z2

Coding system via use of coloured inserts\*  
 2 to 5 pole connectors with reinforcing collar\*  
 Ratings: 20A, 600V, 12 AWG (Stranded)  
 Cable Type: CSA certified 12AWG HL TC  
 Cable Assembly: Male & Female + Covers\*\*\*  
 Inserts: Screw Clamp (stranded)  
 IP 66/68, Type 6P rated  
 Double Locking System  
 Other lengths & cable types (CIC)  
 available on request



POWER MALE (plug) to FEMALE (socket) Cable Harness

Length* Amps Volts(max) Wire Gauge	5 ft / 1.52m 20A 600V 12AWG	10 ft / 3.05m 20A 600V 12AWG	15 ft / 4.57m 20A 600V 12AWG	25 ft / 7.62m 20A 600V 12AWG
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Description	Insert Colour	Part No.	Part No.	Part No.	Part No.
	Length feet/metres	5 ft/1.52m	10 ft/3.05m	15 ft/4.57m	25 ft/7.62m
2 POLE	Gray 	34.295.1221.0	34.295.1222.0	34.295.1223.0	34.295.1224.0
	Black 	34.295.1221.1	34.295.1222.1	34.295.1223.1	34.295.1224.1
	Concrete Gray 	34.295.1221.3	34.295.1222.3	34.295.1223.3	34.295.1224.3
	Brown 	34.295.1221.4	34.295.1222.4	34.295.1223.4	34.295.1224.4
	Turquoise 				
	Green 				
	Light Blue 				
3 POLE	Gray 	34.295.1321.0	34.295.1322.0	34.295.1323.0	34.295.1324.0
	Black 	34.295.1321.1	34.295.1322.1	34.295.1323.1	34.295.1324.1
	Concrete Gray 	34.295.1321.3	34.295.1322.3	34.295.1323.3	34.295.1324.3
	Brown 	34.295.1321.4	34.295.1322.4	34.295.1323.4	34.295.1324.4
	Turquoise 				
	Green 	34.295.1321.7	34.295.1322.7	34.295.1323.7	34.295.1324.7
	Light Blue 	34.295.1321.9	34.295.1322.9	34.295.1323.9	34.295.1324.9
4 POLE	Gray 	34.295.1421.0	34.295.1422.0	34.295.1423.0	34.295.1424.0
	Black 	34.295.1421.1	34.295.1422.1	34.295.1423.1	34.295.1424.1
	Concrete Gray 				
	Brown 	34.295.1421.4	34.295.1422.4	34.295.1423.4	34.295.1424.4
	Turquoise 				
	Green 				
	Light Blue 				
5 POLE	Gray 	34.295.1521.0	34.295.1522.0	34.295.1523.0	34.295.1524.0
	Black 	34.295.1521.1	34.295.1522.1	34.295.1523.1	34.295.1524.1
	Concrete Gray 	34.295.1521.3	34.295.1522.3	34.295.1523.3	34.295.1524.3
	Brown 	34.295.1521.4	34.295.1522.4	34.295.1523.4	34.295.1524.4
	Turquoise 	34.295.1521.6	34.295.1522.6	34.295.1523.6	34.295.1524.6
	Green 				
	Light Blue 	34.295.1521.9	34.295.1522.9	34.295.1523.9	34.295.1524.9

NOTE: \*Specified lengths are from the tip of the male insert to the tip of the female insert, subject to a variance of +/- 1" (2.54cm).

\* BLACK and GRAY inserts will intermate.

\*\* For use in Class I, Zone 2 areas, the installation MUST include the reinforcement collars.

\*\*\*Connectors & Cables certified to CSA Standards for use in Class I, Zone 2 areas. Connectors cQPS File #LR1063, Cable is CSA certified for installation in Class I, Zone 2

Subject to change without notice

# RST Heavy Duty Class I, Zone 2 RST HD Z2

Coding system via use of coloured inserts\*  
 2 to 5 pole connectors with reinforcing collar†  
 Ratings: 20A, 600V, 12 AWG (Stranded)  
 Cable Type: CSA certified 12AWG HL TC  
 Cable Assembly: Male & Female + Covers\*\*  
 Inserts: Screw Clamp (stranded)  
 IP 66/68, Type 6P rated  
 Double Locking System  
 Other lengths & cable types (CIC)  
 available on request



POWER MALE (plug) to FEMALE (socket) Cable Harness

Length† Amps Volts(max) Wire Gauge	50 ft / 15.24m 20A 600V 12AWG	75 ft / 22.86m 20A 600V 12AWG	100 ft / 30.48m 20A 600V 12AWG	150 ft 45.72m 20A 600V 12AWG
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Description	Insert Colour	Part No.	Part No.	Part No.	Part No.
	Length feet/metres	50 ft/15.24m	75 ft/22.86m	100 ft/30.48m	150 ft/45.72m
2 POLE	Gray	34.295.1225.0	34.295.1226.0	34.295.1227.0	34.295.1228.0
	Black	34.295.1225.1	34.295.1226.1	34.295.1227.1	34.295.1228.1
	Concrete Gray	34.295.1225.3	34.295.1226.3	34.295.1227.3	34.295.1228.3
	Brown	34.295.1225.4	34.295.1226.4	34.295.1227.4	34.295.1228.4
	Turquoise				
	Green				
	Light Blue				
3 POLE	Gray	34.295.1325.0	34.295.1326.0	34.295.1327.0	34.295.1328.0
	Black	34.295.1325.1	34.295.1326.1	34.295.1327.1	34.295.1328.1
	Concrete Gray	34.295.1325.3	34.295.1326.3	34.295.1327.3	34.295.1328.3
	Brown	34.295.1325.4	34.295.1326.4	34.295.1327.4	34.295.1328.4
	Turquoise				
	Green	34.295.1325.7	34.295.1326.7	34.295.1327.7	34.295.1328.7
	Light Blue	34.295.1325.9	34.295.1326.9	34.295.1327.9	34.295.1328.9
4 POLE	Gray	34.295.1425.0	34.295.1426.0	34.295.1427.0	34.295.1428.0
	Black	34.295.1425.1	34.295.1426.1	34.295.1427.1	34.295.1428.1
	Concrete Gray				
	Brown	34.295.1425.4	34.295.1426.4	34.295.1427.4	34.295.1428.4
	Turquoise				
	Green				
	Light Blue				
5 POLE	Gray	34.295.1525.0	34.295.1526.0	34.295.1527.0	34.295.1528.0
	Black	34.295.1525.1	34.295.1526.1	34.295.1527.1	34.295.1528.1
	Concrete Gray	34.295.1525.3	34.295.1526.3	34.295.1527.3	34.295.1528.3
	Brown	34.295.1525.4	34.295.1526.4	34.295.1527.4	34.295.1528.4
	Turquoise	34.295.1525.6	34.295.1526.6	34.295.1527.6	34.295.1528.6
	Green				
	Light Blue	34.295.1525.9	34.295.1526.9	34.295.1527.9	34.295.1528.9

NOTE: \*Specified lengths are from the tip of the male insert to the tip of the female insert, subject to a variance of +/- 1" (2.54cm).

\* BLACK and GRAY inserts will intermate.

\*\* For use in Class I, Zone 2 areas, the installation MUST include the reinforcement collars.

\*\*\*Connectors & Cables certified to CSA Standards for use in Class I, Zone 2 areas. Connectors cQPS File #LR1063, Cable is CSA certified for installation in Class I, Zone 2



# RST HD Z2

## RST Heavy Duty Class I, Zone 2

Coding system via use of coloured inserts\*  
 2 to 5 pole connectors with reinforcing collar\*\*  
 Ratings: 20A, 600V, 12 AWG (Stranded)  
 Cable Type: CSA certified 12AWG HL TC  
 Cable Assembly: FEMALE + Cover to Free End\*\*\*  
 Inserts: Screw Clamp (stranded)  
 IP 66/68, Type 6P rated  
 Double Locking System  
 Other lengths & cable types (CIC)  
 available on request



POWER FEMALE (socket) to FREE END Cable Harness

Length*	5 ft / 1.52m	10 ft / 3.05m	15 ft / 4.57m	25 ft / 7.62m
Amps	20A	20A	20A	20A
Volts(max)	600V	600V	600V	600V
Wire Gauge	12AWG	12AWG	12AWG	12AWG

Description	Insert Colour	Part No.	Part No.	Part No.	Part No.
	Length feet/metres	5 ft/1.52m	10 ft/3.05m	15 ft/4.57m	25 ft/7.62m
2 POLE	Gray	34.295.2221.0	34.295.2222.0	34.295.2223.0	34.295.2224.0
	Black	34.295.2221.1	34.295.2222.1	34.295.2223.1	34.295.2224.1
	Concrete Gray	34.295.2221.3	34.295.2222.3	34.295.2223.3	34.295.2224.3
	Brown	34.295.2221.4	34.295.2222.4	34.295.2223.4	34.295.2224.4
	Turquoise				
	Green				
	Light Blue				
3 POLE	Gray	34.295.2321.0	34.295.2322.0	34.295.2323.0	34.295.2324.0
	Black	34.295.2321.1	34.295.2322.1	34.295.2323.1	34.295.2324.1
	Concrete Gray	34.295.2321.3	34.295.2322.3	34.295.2323.3	34.295.2324.3
	Brown	34.295.2321.4	34.295.2322.4	34.295.2323.4	34.295.2324.4
	Turquoise				
	Green	34.295.2321.7	34.295.2322.7	34.295.2323.7	34.295.2324.7
	Light Blue	34.295.2321.9	34.295.2322.9	34.295.2323.9	34.295.2324.9
4 POLE	Gray	34.295.2421.0	34.295.2422.0	34.295.2423.0	34.295.2424.0
	Black	34.295.2421.1	34.295.2422.1	34.295.2423.1	34.295.2424.1
	Concrete Gray				
	Brown	34.295.2421.4	34.295.2422.4	34.295.2423.4	34.295.2424.4
	Turquoise				
	Green				
	Light Blue				
5 POLE	Gray	34.295.2521.0	34.295.2522.0	34.295.2523.0	34.295.2524.0
	Black	34.295.2521.1	34.295.2522.1	34.295.2523.1	34.295.2524.1
	Concrete Gray	34.295.2521.3	34.295.2522.3	34.295.2523.3	34.295.2524.3
	Brown	34.295.2521.4	34.295.2522.4	34.295.2523.4	34.295.2524.4
	Turquoise	34.295.2521.6	34.295.2522.6	34.295.2523.6	34.295.2524.6
	Green				
	Light Blue	34.295.2521.9	34.295.2522.9	34.295.2523.9	34.295.2524.9

NOTE: \*Specified lengths are from the tip of the male insert to the tip of the female insert, subject to a variance of +/- 1" (2.54cm).

\* BLACK and GRAY inserts will intermate.

\*\* For use in Class I, Zone 2 areas, the installation MUST include the reinforcement collars.

\*\*\*Connectors & Cables certified to CSA Standards for use in Class I, Zone 2 areas. Connectors cQPS File #LR1063, Cable is CSA certified for installation in Class I, Zone 2

Subject to change without notice

# RST Heavy Duty Class I, Zone 2 RST HD Z2

Coding system via use of coloured inserts\*  
 2 to 5 pole connectors with reinforcing collar\*\*  
 Ratings: 20A, 600V, 12 AWG (Stranded)  
 Cable Type: CSA certified 12AWG HL TC  
 Cable Assembly: Male & Female + Covers\*\*\*  
 Inserts: Screw Clamp (stranded)  
 IP 66/68, Type 6P rated  
 Double Locking System  
 Other lengths & cable types (CIC)  
 available on request



POWER FEMALE (socket) to FREE END Cable Harness

Length* Amps Volts(max) Wire Gauge	50 ft / 15.24m 20A 600V 12AWG	75 ft / 22.86m 20A 600V 12AWG	100 ft / 30.48m 20A 600V 12AWG	150 ft 45.72m 20A 600V 12AWG
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Description	Insert Colour	Part No.	Part No.	Part No.	Part No.
	Length feet/metres	50 ft/15.24m	75 ft/22.86m	100 ft/30.48m	150 ft/45.72m
2 POLE	Gray	34.295.2225.0	34.295.2226.0	34.295.2227.0	34.295.2228.0
	Black	34.295.2225.1	34.295.2226.1	34.295.2227.1	34.295.2228.1
	Concrete Gray	34.295.2225.3	34.295.2226.3	34.295.2227.3	34.295.2228.3
	Brown	34.295.2225.4	34.295.2226.4	34.295.2227.4	34.295.2228.4
	Turquoise				
	Green				
	Light Blue				
3 POLE	Gray	34.295.2325.0	34.295.2326.0	34.295.2327.0	34.295.2328.0
	Black	34.295.2325.1	34.295.2326.1	34.295.2327.1	34.295.2328.1
	Concrete Gray	34.295.2325.3	34.295.2326.3	34.295.2327.3	34.295.2328.3
	Brown	34.295.2325.4	34.295.2326.4	34.295.2327.4	34.295.2328.4
	Turquoise				
	Green	34.295.2325.7	34.295.2326.7	34.295.2327.7	34.295.2328.7
	Light Blue	34.295.2325.9	34.295.2326.9	34.295.2327.9	34.295.2328.9
4 POLE	Gray	34.295.2425.0	34.295.2426.0	34.295.2427.0	34.295.2428.0
	Black	34.295.2425.1	34.295.2426.1	34.295.2427.1	34.295.2428.1
	Concrete Gray				
	Brown	34.295.2425.4	34.295.2426.4	34.295.2427.4	34.295.2428.4
	Turquoise				
	Green				
	Light Blue				
5 POLE	Gray	34.295.2525.0	34.295.2526.0	34.295.2527.0	34.295.2528.0
	Black	34.295.2525.1	34.295.2526.1	34.295.2527.1	34.295.2528.1
	Concrete Gray	34.295.2525.3	34.295.2526.3	34.295.2527.3	34.295.2528.3
	Brown	34.295.2525.4	34.295.2526.4	34.295.2527.4	34.295.2528.4
	Turquoise	34.295.2525.6	34.295.2526.6	34.295.2527.6	34.295.2528.6
	Green				
	Light Blue	34.295.2525.9	34.295.2526.9	34.295.2527.9	34.295.2528.9

NOTE: \*Specified lengths are from the tip of the male insert to the tip of the female insert, subject to a variance of +/- 1" (2.54cm).

\* BLACK and GRAY inserts will intermate.

\*\* For use in Class I, Zone 2 areas, the installation MUST include the reinforcement collars.

\*\*\*Connectors & Cables certified to CSA Standards for use in Class I, Zone 2 areas. Connectors cQPS File #LR1063, Cable is CSA certified for installation in Class I, Zone 2

Subject to change without notice

# RST Heavy Duty Class I, Zone 2 RST HD Z2

Coding system via use of coloured inserts\*  
 2 to 5 pole connectors with reinforcing collar\*\*  
 Ratings: 20A, 600V, 12 AWG (Stranded)  
 Cable Type: CSA certified 12AWG HL TC  
 Cable Assembly: MALE + Cover to Free End\*\*\*  
 Inserts: Screw Clamp (stranded)  
 IP 66/68, Type 6P rated  
 Double Locking System  
 Other lengths & cable types (CIC)  
 available on request



POWER MALE (plug) to FREE END Cable Harness

Length+ Amps Volts(max) Wire Gauge	5 ft / 1.52m 20A 600V 12AWG	10 ft / 3.05m 20A 600V 12AWG	15 ft / 4.57m 20A 600V 12AWG	25 ft / 7.62m 20A 600V 12AWG
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Description	Insert Colour	Part No.	Part No.	Part No.	Part No.
	Length feet/metres	5 ft/1.52m	10 ft/3.05m	15 ft/4.57m	25 ft/7.62m
2 POLE	Gray	34.295.4221.0	34.295.4222.0	34.295.4223.0	34.295.4224.0
	Black	34.295.4121.1	34.295.4222.1	34.295.4223.1	34.295.4224.1
	Concrete Gray	34.295.4221.3	34.295.4222.3	34.295.4223.3	34.295.4224.3
	Brown	34.295.4221.4	34.295.4222.4	34.295.4223.4	34.295.4224.4
	Turquoise				
	Green				
	Light Blue				
3 POLE	Gray	34.295.4321.0	34.295.4322.0	34.295.4323.0	34.295.4324.0
	Black	34.295.4321.1	34.295.4322.1	34.295.4323.1	34.295.4324.1
	Concrete Gray	34.295.4321.3	34.295.4322.3	34.295.4323.3	34.295.4324.3
	Brown	34.295.4321.4	34.295.4322.4	34.295.4323.4	34.295.4324.4
	Turquoise				
	Green	34.295.4321.7	34.295.4322.7	34.295.4323.7	34.295.4324.7
	Light Blue	34.295.4321.9	34.295.4322.9	34.295.4323.9	34.295.4324.9
4 POLE	Gray	34.295.4421.0	34.295.4422.0	34.295.4423.0	34.295.4424.0
	Black	34.295.4421.1	34.295.4422.1	34.295.4423.1	34.295.4424.1
	Concrete Gray				
	Brown	34.295.4421.4	34.295.4422.4	34.295.4423.4	34.295.4424.4
	Turquoise				
	Green				
	Light Blue				
5 POLE	Gray	34.295.4521.0	34.295.4522.0	34.295.4523.0	34.295.4524.0
	Black	34.295.4521.1	34.295.4522.1	34.295.4523.1	34.295.4524.1
	Concrete Gray	34.295.4521.3	34.295.4522.3	34.295.4523.3	34.295.4524.3
	Brown	34.295.4521.4	34.295.4522.4	34.295.4523.4	34.295.4524.4
	Turquoise	34.295.4521.6	34.295.4522.6	34.295.4523.6	34.295.4524.6
	Green				
	Light Blue	34.295.4521.9	34.295.4522.9	34.295.4523.9	34.295.4524.9

NOTE: \*Specified lengths are from the tip of the male insert to the tip of the female insert, subject to a variance of +/- 1" (2.54cm).

\* BLACK and GRAY inserts will intermate.

\*\* For use in Class I, Zone 2 areas, the installation MUST include the reinforcement collars.

\*\*\*Connectors & Cables certified to CSA Standards for use in Class I, Zone 2 areas. Connectors cQPS File #LR1063, Cable is CSA certified for installation in Class I, Zone 2

Subject to change without notice



# RST HD Z2

Coding system via use of coloured inserts\*  
 2 to 5 pole connectors with reinforcing collar\*\*  
 Ratings: 20A, 600V, 12 AWG (Stranded)  
 Cable Type: CSA certified 12AWG HL TC  
 Cable Assembly: MALE + Cover to Free End\*\*\*  
 Inserts: Screw Clamp (stranded)  
 IP 66/68, Type 6P rated  
 Double Locking System  
 Other lengths & cable types (CIC)  
 available on request



POWER MALE (plug) to FREE END Cable Harness

Length* Amps Volts(max) Wire Gauge	50 ft / 15.24m 20A 600V 12AWG	75 ft / 22.86m 20A 600V 12AWG	100 ft / 30.48m 20A 600V 12AWG	150 ft 45.72m 20A 600V 12AWG
---	--	--	---	---------------------------------------

Description	Insert Colour	Part No.	Part No.	Part No.	Part No.
	Length feet/metres	50 ft/15.24m	75 ft/22.86m	100 ft/30.48m	150 ft/45.72m
2 POLE	Gray	34.295.4225.0	34.295.4226.0	34.295.4227.0	34.295.4228.0
	Black	34.295.4225.1	34.295.4226.1	34.295.4227.1	34.295.4228.1
	Concrete Gray	34.295.4225.3	34.295.4226.3	34.295.4227.3	34.295.4228.3
	Brown	34.295.4225.4	34.295.4226.4	34.295.4227.4	34.295.4228.4
	Turquoise				
	Green				
	Light Blue				
3 POLE	Gray	34.295.4325.0	34.295.4326.0	34.295.4327.0	34.295.4328.0
	Black	34.295.4325.1	34.295.4326.1	34.295.4327.1	34.295.4328.1
	Concrete Gray	34.295.4325.3	34.295.4326.3	34.295.4327.3	34.295.4328.3
	Brown	34.295.4325.4	34.295.4326.4	34.295.4327.4	34.295.4328.4
	Turquoise				
	Green	34.295.4325.7	34.295.4326.7	34.295.4327.7	34.295.4328.7
	Light Blue	34.295.4325.9	34.295.4326.9	34.295.4327.9	34.295.4328.9
4 POLE	Gray	34.295.4425.0	34.295.4426.0	34.295.4427.0	34.295.4428.0
	Black	34.295.4425.1	34.295.4426.1	34.295.4427.1	34.295.4428.1
	Concrete Gray				
	Brown	34.295.4425.4	34.295.4426.4	34.295.4427.4	34.295.4428.4
	Turquoise				
	Green				
	Light Blue				
5 POLE	Gray	34.295.4525.0	34.295.4526.0	34.295.4527.0	34.295.4528.0
	Black	34.295.4525.1	34.295.4526.1	34.295.4527.1	34.295.4528.1
	Concrete Gray	34.295.4525.3	34.295.4526.3	34.295.4527.3	34.295.4528.3
	Brown	34.295.4525.4	34.295.4526.4	34.295.4527.4	34.295.4528.4
	Turquoise	34.295.4525.6	34.295.4526.6	34.295.4527.6	34.295.4528.6
	Green				
	Light Blue	34.295.4525.9	34.295.4526.9	34.295.4527.9	34.295.4528.9

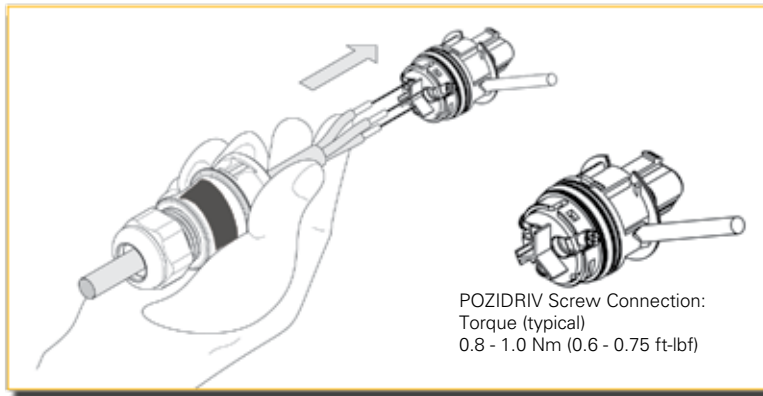
NOTE \*Specified lengths are from the tip of the male insert to the tip of the female insert, subject to a variance of +/- 1" (2.54cm).  
 \* BLACK and GRAY inserts will intermate.  
 \*\* For use in Class I, Zone 2 areas, the installation MUST include the reinforcement collars.  
 \*\*\*Connectors & Cables certified to CSA Standards for use in Class I, Zone 2 areas. Connectors cQPS File #LR1063, Cable is CSA certified for installation in Class I, Zone 2

Subject to change without notice

# Installation Instructions RST20i2...5

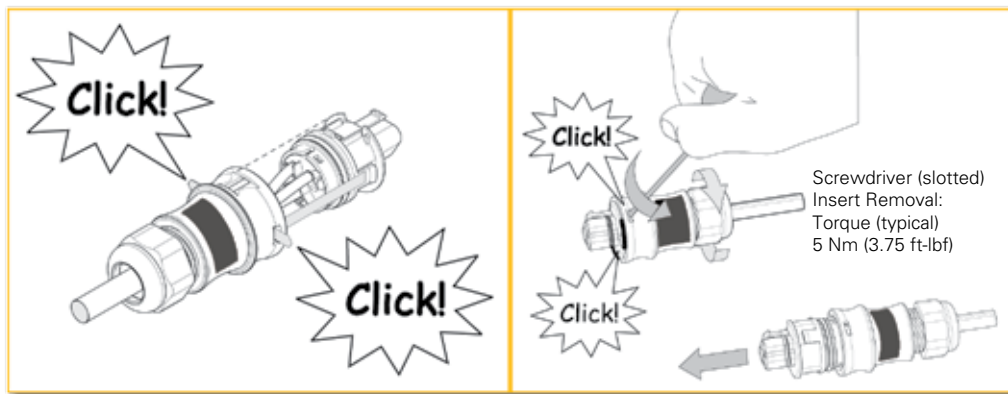
## Cable Connector Mounting

Connecting the wires...



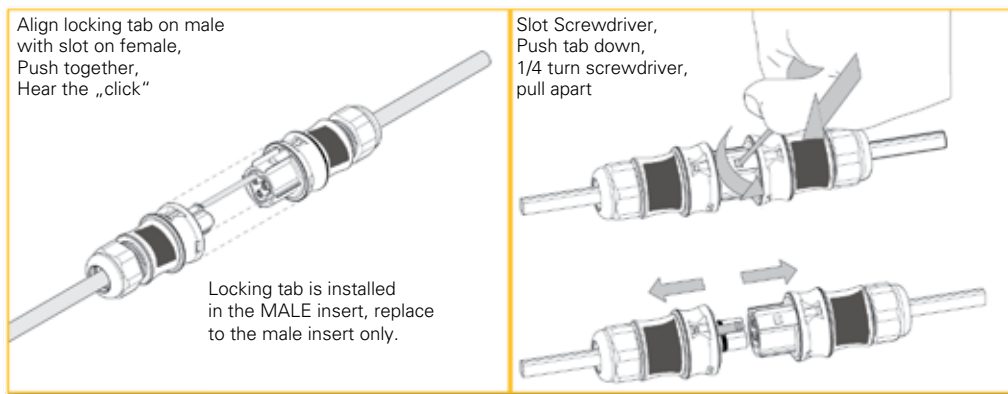
Close the connector...

...and open it



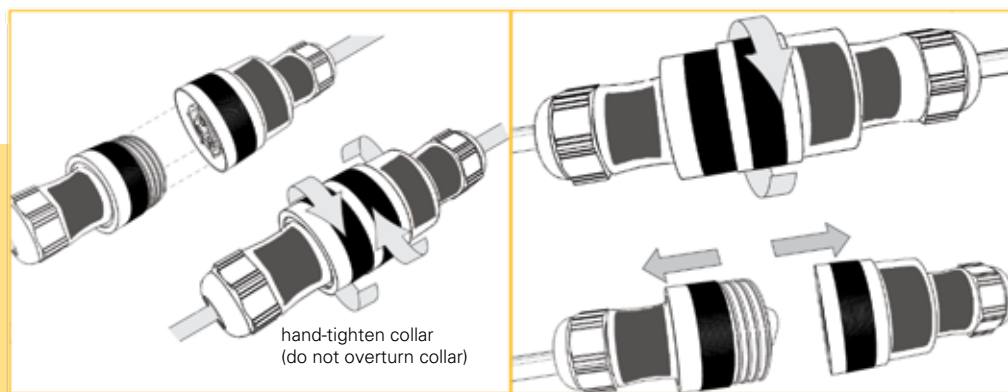
Lock the housing...

...and unlock it



Couple the connectors...

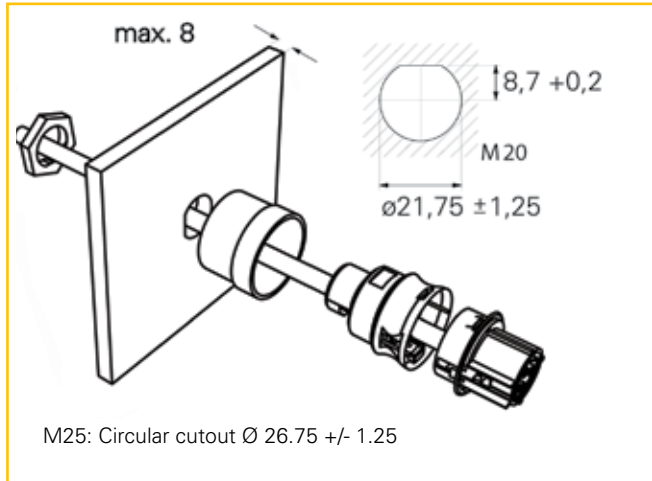
...and uncouple the connectors



# Installation Instructions RST20i2...5 Panel Connector Mounting

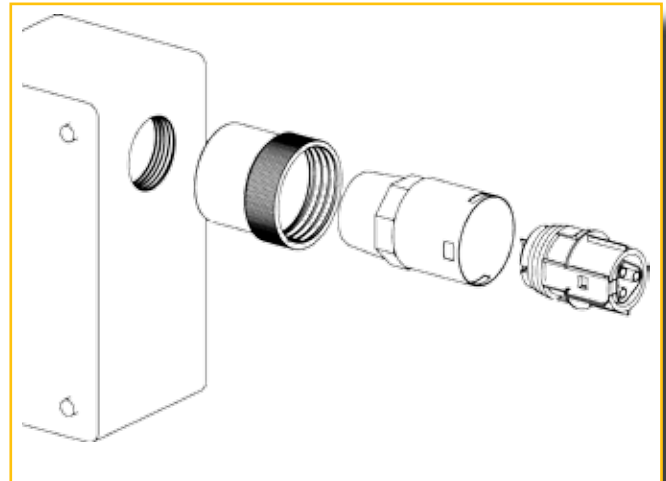
Installation of a standard system,  
for M20 and M25 panel mount

Dimensions in mm



Installation of a standard system,  
for 1/2" NPT and 3/4" NPT device mount

Dimensions in mm



NOTE:

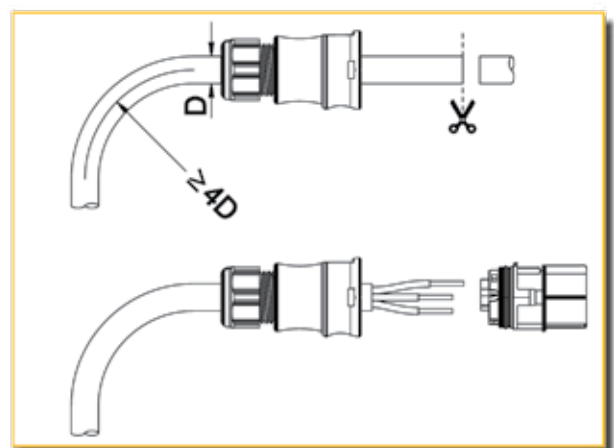
Tightening torque: 2.0 to 2.5 Nm (1.5 - 1.85 ft-lbs)

Preventing the housing from twisting in the M25 mounting hole can only be ensured when the lowest tolerance is utilized for the diameter of the mounting hole. Do not attempt to remove the M25 male thread adapter as it has been permanently attached in the factory to the male M20 thread of the panel mount insulating housing. Any attempt to remove this adapter by force will destroy the threads.

Refer to Wieland Installation & Assembly brochure:  
Part number 34.205.0162.0

NOTE: Bend radius (for cables & conductors)  
The minimum bending radius for the conductors/cables is  $>2.5\text{mm}^2$ , or according to the specification listed by the cable manufacturer. Pull forces on the contact points can be avoided by ensuring as follows:

Bend the cable as recommended by your local regulation body's acceptable installation practice. Secure excess cable in the cable tray or protected location to minimize strain on connectors





## Connector Specifications

### Electrical:

Rated Voltage: 600V

Rated Current: 20A

Wire Gauge: 20-12AWG

### Material:

Contact Parts: Brass, Special Plated (resistance corrosion due to H<sub>2</sub>S gas)

Housing Parts: Thermoplastic material PA66, Halogen free, UL94-V2, UV stabilized

Collars: Same as housing parts

Gaskets & Seals: NBR

Adapters: Thermoplastic Polycarbonate, UV stabilized

### Mechanical:

Number of Poles: 2, 3, 4, or 5 pole

Colours: Gray, Black, Concrete Gray, Brown, Turquoise, Green, Light Blue (not available in all pole configurations, see catalogue pages for availability)

Ambient Temperature: -40°C to +100°C

Mating Cycles: 100 cycles without load; 50 cycles at rated load

Degree of Protection: IP65, IP66, IP 67 & IP68; Type 6P (Canada); IK07

Coding: Mechanical coding symbolized by colour code. Exception: Gray and Black have the same coding and will inter-mate.

### Approvals:

Certifications (Ordinary Location):

VDE; UL; CSA; LR; GL; DNV

Standards (Ordinary Locations):

DIN VDE 0606 T200; DIN EN 61984 (VDE 0627); VDE 0110; IEC 60999;

UL2238; CSA: 22.2 No.182.2-M1987; CSA C22.2 No 0 – M91; CSA C22.2 No 0.4;

CSA C22.2 No 94 M91; CSA C22.2 No 182.1-02

Certifications (Hazardous Location):

cQPS (LR-1063) Class I, Zone 2 Ex nA IIB+H<sub>2</sub> T4 X

Standards (Hazardous Locations):

CSA E60079-02; CSA E60079-15-02

### NOTE:

Protection against accidental shock is generally ensured even when disconnected. Ground pin is leading. Connection to the live cable must be with a female connector according to the local codes and accepted practices. Contacts in the cable connectors are protected against strain on the cable. For use in Class I, Zone 2 areas, the use of the mating collars is required to satisfy the cQPS (LR1063) approval. Connector sets installed in Class I, Zone 2 areas must not be disconnected under load.

### Harness Specifications:

Harness Ratings: 20A, 600V, 12AWG

Cable: CSA certified HL rated Industrial Tray Cable is standard. Other flexible cable types (Ex: CIC), wire gauge, or

customer specified available upon request

Number of Poles: 2, 3, 4 or 5 (specified by order number)

Lengths: see brochure for standard lengths. Other custom lengths available upon request.

### RST long-term studies:

In addition to the tests required by the certification standards, a continuous field test was performed over a 14 month period. During this time the connectors were exposed to direct sunlight, freezing, frost and occasional flooding (immersion). The RST connectors & components were installed in a commercial eaves gutter and monitored by a 30 mA circuit breaker with the main voltage applied. The following tests were performed in addition to the continuous test:

- Temperature change test (– 40° C to + 60° C)
- Installation of the connector at – 40° C

The complete test report can be ordered from Wieland by calling 1-800-wieland (943-5263).



# Insulation strip lengths and ferrules

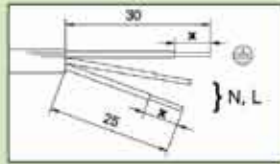
## Wire preparation

RST 2/3 pole  
all lengths  
indicated in mm

Screw connection:



6 – 10 mm  
10 – 14 mm



Insulation strip length  $X =$

Conductor cross section	0.75 mm <sup>2</sup>	1.0 mm <sup>2</sup>	1.5 mm <sup>2</sup>	2.5 mm <sup>2</sup>	4 mm <sup>2</sup>	20 – 12AWG
solid	8	8	8	8	8	8
fine-stranded	8	8	8	8	8	8
stranded	8	8	8	8	8	8
ultrasonically compressed	8	8	8	8	8	8

POZIDRIV Screw Connection:  
Torque (typical)

0.8 - 1.0 Nm (0.6 - 0.75 ft-lbf)

Fine-stranded and stranded  
wires



Ferrules recommended

Connector



Insulation strip length  $X =$

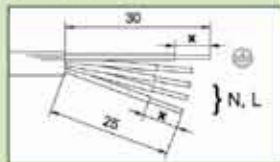
Conductor cross section	0.5 mm <sup>2</sup>	0.75 mm <sup>2</sup>	1 mm <sup>2</sup>	1.5 mm <sup>2</sup>	2.5 mm <sup>2</sup>	20 – 12AWG
solid	14.5 + 1	14.5 + 1	14.5 + 1	14.5 + 1	14.5 + 1	8
fine-stranded	12.0 + 1	13.0 + 1	13.0 + 1	13.0 + 1		8
Ferrules according to DIN	46228-00.5-10	46228-00.75-12	46228-01.0-12	46228-01.5-12		8
stranded		13.0 + 1	13.0 + 1	13.0 + 1		8
ultrasonically compressed				14.5 + 1	14.5 + 1	8

RST 4/5 pole  
all lengths  
indicated in mm

Screw connection:



Connector  
6 – 10 mm  
10 – 14 mm



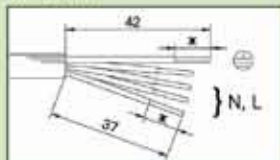
Insulation strip length  $X =$

Conductor cross section	0.75 mm <sup>2</sup>	1.0 mm <sup>2</sup>	1.5 mm <sup>2</sup>	2.5 mm <sup>2</sup>	4 mm <sup>2</sup>	20 – 12AWG
solid	8	8	8	8	8	8
fine-stranded	8	8	8	8	8	8
stranded	8	8	8	8	8	8
ultrasonically compressed	8	8	8	8	8	8

POZIDRIV Screw Connection:  
Torque (typical)

0.5 - 0.7 Nm (0.4 - 0.55 ft-lbf)

Connector  
6 – 10 mm  
10 – 14 mm



Insulation strip length  $X =$

Conductor cross section	0.75 mm <sup>2</sup>	1.0 mm <sup>2</sup>	1.5 mm <sup>2</sup>	2.5 mm <sup>2</sup>	4 mm <sup>2</sup>	20 – 12AWG
fine-stranded	7.0 + 1	7.0 + 1	7.0 + 1	7.0 + 1	7.0 + 1	7.0 + 1



# RST Heavy Duty Class I, Zone 2

# RST HD Z2

## Accessories



Description	Part No.	Part No.	Part No.	Part No.
Disconnect Caps 2 & 3 Pole 4 & 5 Pole	Accessories for Female Connectors No Tether Z5.564.4553.1 Z5.565.9853.1	SS Adjustable Tether 99.543.0000.7 99.547.0000.7	Accessories for Male Connectors No Tether 05.564.4453.1 05.565.9953.1	SS Adjustable Tether 99.545.0000.7 99.549.0000.7
White locking clip			05.583.2953.2	
Gasket for Panel Mount Connectors (M20 & M25)	05.565.0383.0			
Cable Ferrules Insulated 20 AWG ○ 18 AWG ○ 18 AWG ● 16 AWG ● 14 AWG ● 12 AWG ●	06.600.2027.0 06.600.2127.0 06.600.2227.0 06.600.2327.0 06.600.2527.0 06.600.2727.0			
Ferrule Crimping Tool (28-12 AWG)	95.101.1300.0			
SCREWDRIVER, POZIDRIV PZ1 STUBBY POZIDRIV,PZ1 25 X 54 X 4.5MM (RST) POZIDRIV PZ355,PZ1 80 X 98 X 4.5MM (RST) POZIDRIV PZ355,PZ1 200 X 98 X 4.5MM (RST)	34.225.0062.8 34.225.0060.8 34.225.0061.8			
SCREWDRIVER, SLOTTED DIN 5264 A0.6 x 3.5 DIN 5264 A 0.8 x 4.0 x 100 DIN5264 0.4X 2.5	06.502.4000.0 06.502.4100.0 06.502.4300.0			



**RST Heavy Duty  
Class I, Zone 2**

# RST HD Z2

Part No.	Pg.	Part No.	Pg.	Part No.	Pg.	Part No.	Pg.
05.564.4453.1	16	34.295.1325.0	7	34.295.1524.6	6	34.295.2323.0	8
05.565.9953.1	16	34.295.1325.1	7	34.295.1524.9	6	34.295.2323.1	8
05.583.2953.2	16	34.295.1325.3	7	34.295.1525.0	7	34.295.2323.3	8
06.502.4100.0	16	34.295.1325.4	7	34.295.1525.1	7	34.295.2323.4	8
06.502.4300.0	16	34.295.1325.7	7	34.295.1525.3	7	34.295.2323.7	8
06.600.2027.0	16	34.295.1325.9	7	34.295.1525.4	7	34.295.2323.9	8
06.600.2127.0	16	34.295.1326.0	7	34.295.1525.6	7	34.295.2324.0	8
06.600.2227.0	16	34.295.1326.1	7	34.295.1525.9	7	34.295.2324.1	8
06.600.2327.0	16	34.295.1326.3	7	34.295.1526.0	7	34.295.2324.3	8
06.600.2527.0	16	34.295.1326.4	7	34.295.1526.1	7	34.295.2324.4	8
06.600.2727.0	16	34.295.1326.7	7	34.295.1526.3	7	34.295.2324.7	8
34.225.0060.8	16	34.295.1326.9	7	34.295.1526.4	7	34.295.2324.9	8
34.225.0061.8	16	34.295.1327.0	7	34.295.1526.6	7	34.295.2325.0	9
34.225.0062.8	16	34.295.1327.1	7	34.295.1526.9	7	34.295.2325.1	9
34.295.1221.0	6	34.295.1327.3	7	34.295.1527.0	7	34.295.2325.3	9
34.295.1221.1	6	34.295.1327.4	7	34.295.1527.1	7	34.295.2325.4	9
34.295.1221.3	6	34.295.1327.7	7	34.295.1527.3	7	34.295.2325.7	9
34.295.1221.4	6	34.295.1327.9	7	34.295.1527.4	7	34.295.2325.9	9
34.295.1222.0	6	34.295.1328.0	7	34.295.1527.6	7	34.295.2326.0	9
34.295.1222.1	6	34.295.1328.1	7	34.295.1527.9	7	34.295.2326.1	9
34.295.1222.3	6	34.295.1328.3	7	34.295.1528.0	7	34.295.2326.3	9
34.295.1222.4	6	34.295.1328.4	7	34.295.1528.1	7	34.295.2326.4	9
34.295.1223.0	6	34.295.1328.7	7	34.295.1528.3	7	34.295.2326.7	9
34.295.1223.1	6	34.295.1328.9	7	34.295.1528.4	7	34.295.2326.9	9
34.295.1223.3	6	34.295.1421.0	6	34.295.1528.6	7	34.295.2327.0	9
34.295.1223.4	6	34.295.1421.1	6	34.295.1528.9	7	34.295.2327.1	9
34.295.1224.0	6	34.295.1421.4	6	34.295.2221.0	8	34.295.2327.3	9
34.295.1224.1	6	34.295.1422.0	6	34.295.2221.1	8	34.295.2327.4	9
34.295.1224.3	6	34.295.1422.1	6	34.295.2221.3	8	34.295.2327.7	9
34.295.1224.4	6	34.295.1422.4	6	34.295.2221.4	8	34.295.2327.9	9
34.295.1225.0	7	34.295.1423.0	6	34.295.2222.0	8	34.295.2328.0	9
34.295.1225.1	7	34.295.1423.1	6	34.295.2222.1	8	34.295.2328.1	9
34.295.1225.3	7	34.295.1423.4	6	34.295.2222.3	8	34.295.2328.3	9
34.295.1225.4	7	34.295.1424.0	6	34.295.2222.4	8	34.295.2328.4	9
34.295.1226.0	7	34.295.1424.1	6	34.295.2223.0	8	34.295.2328.7	9
34.295.1226.1	7	34.295.1424.4	6	34.295.2223.1	8	34.295.2328.9	9
34.295.1226.3	7	34.295.1425.0	7	34.295.2223.3	8	34.295.2421.0	8
34.295.1226.4	7	34.295.1425.1	7	34.295.2223.4	8	34.295.2421.1	8
34.295.1227.0	7	34.295.1425.4	7	34.295.2224.0	8	34.295.2421.4	8
34.295.1227.1	7	34.295.1426.0	7	34.295.2224.1	8	34.295.2422.0	8
34.295.1227.3	7	34.295.1426.1	7	34.295.2224.3	8	34.295.2422.1	8
34.295.1227.4	7	34.295.1426.4	7	34.295.2224.4	8	34.295.2422.4	8
34.295.1228.0	7	34.295.1427.0	7	34.295.2225.0	9	34.295.2423.0	8
34.295.1228.1	7	34.295.1427.1	7	34.295.2225.1	9	34.295.2423.1	8
34.295.1228.3	7	34.295.1427.4	7	34.295.2225.3	9	34.295.2423.4	8
34.295.1228.4	7	34.295.1428.0	7	34.295.2225.4	9	34.295.2424.0	8
34.295.1321.0	6	34.295.1428.1	7	34.295.2226.0	9	34.295.2424.1	8
34.295.1321.1	6	34.295.1428.4	7	34.295.2226.1	9	34.295.2424.4	8
34.295.1321.3	6	34.295.1521.0	6	34.295.2226.3	9	34.295.2425.0	9
34.295.1321.4	6	34.295.1521.1	6	34.295.2226.4	9	34.295.2425.1	9
34.295.1321.7	6	34.295.1521.3	6	34.295.2227.0	9	34.295.2425.4	9
34.295.1321.9	6	34.295.1521.4	6	34.295.2227.1	9	34.295.2426.0	9
34.295.1322.0	6	34.295.1521.6	6	34.295.2227.3	9	34.295.2426.1	9
34.295.1322.1	6	34.295.1521.9	6	34.295.2227.4	9	34.295.2426.4	9
34.295.1322.3	6	34.295.1522.0	6	34.295.2228.0	9	34.295.2427.0	9
34.295.1322.4	6	34.295.1522.1	6	34.295.2228.1	9	34.295.2427.1	9
34.295.1322.7	6	34.295.1522.3	6	34.295.2228.3	9	34.295.2427.4	9
34.295.1322.9	6	34.295.1522.4	6	34.295.2228.4	9	34.295.2428.0	9
34.295.1323.0	6	34.295.1522.6	6	34.295.2321.0	8	34.295.2428.1	9
34.295.1323.1	6	34.295.1522.9	6	34.295.2321.1	8	34.295.2428.4	9
34.295.1323.3	6	34.295.1523.0	6	34.295.2321.3	8	34.295.2521.0	8
34.295.1323.4	6	34.295.1523.1	6	34.295.2321.4	8	34.295.2521.1	8
34.295.1323.7	6	34.295.1523.3	6	34.295.2321.7	8	34.295.2521.3	8
34.295.1323.9	6	34.295.1523.4	6	34.295.2321.9	8	34.295.2521.4	8
34.295.1324.0	6	34.295.1523.6	6	34.295.2322.0	8	34.295.2521.6	8
34.295.1324.1	6	34.295.1523.9	6	34.295.2322.1	8	34.295.2521.9	8
34.295.1324.3	6	34.295.1524.0	6	34.295.2322.3	8	34.295.2522.0	8
34.295.1324.4	6	34.295.1524.1	6	34.295.2322.4	8	34.295.2522.1	8
34.295.1324.7	6	34.295.1524.3	6	34.295.2322.7	8	34.295.2522.3	8
34.295.1324.9	6	34.295.1524.4	6	34.295.2322.9	8	34.295.2522.4	8

# RST Heavy Duty Class I, Zone 2

# RST HD Z2

Part No.	Pg.	Part No.	Pg.	Part No.	Pg.	Part No.	Pg.
34.295.2522.6	8	34.295.4321.0	10	34.295.4428.1	11	34.299.2210.4	5
34.295.2522.9	8	34.295.4321.1	10	34.295.4428.4	11	34.299.2212.0	5
34.295.2523.0	8	34.295.4321.3	10	34.295.4521.0	10	34.299.2212.1	5
34.295.2523.1	8	34.295.4321.4	10	34.295.4521.1	10	34.299.2212.4	5
34.295.2523.3	8	34.295.4321.7	10	34.295.4521.3	10	34.299.2410.3	4
34.295.2523.4	8	34.295.4321.9	10	34.295.4521.4	10	34.299.2414.3	4
34.295.2523.6	8	34.295.4322.0	10	34.295.4521.6	10	34.299.2510.3	4
34.295.2523.9	8	34.295.4322.1	10	34.295.4521.9	10	34.299.2514.3	4
34.295.2524.0	8	34.295.4322.3	10	34.295.4522.0	10	34.299.2600.3	5
34.295.2524.1	8	34.295.4322.4	10	34.295.4522.1	10	34.299.2602.3	5
34.295.2524.3	8	34.295.4322.7	10	34.295.4522.3	10	34.299.2610.3	5
34.295.2524.4	8	34.295.4322.9	10	34.295.4522.4	10	34.299.2612.3	5
34.295.2524.6	8	34.295.4323.0	10	34.295.4522.6	10	34.299.3010.0	4
34.295.2524.9	8	34.295.4323.1	10	34.295.4522.9	10	34.299.3010.1	4
34.295.2525.0	9	34.295.4323.3	10	34.295.4523.0	10	34.299.3010.4	4
34.295.2525.1	9	34.295.4323.4	10	34.295.4523.1	10	34.299.3010.7	4
34.295.2525.3	9	34.295.4323.7	10	34.295.4523.3	10	34.299.3010.9	4
34.295.2525.4	9	34.295.4323.9	10	34.295.4523.4	10	34.299.3014.0	4
34.295.2525.6	9	34.295.4324.0	10	34.295.4523.6	10	34.299.3014.1	4
34.295.2525.9	9	34.295.4324.1	10	34.295.4523.9	10	34.299.3014.4	4
34.295.2526.0	9	34.295.4324.3	10	34.295.4524.0	10	34.299.3014.7	4
34.295.2526.1	9	34.295.4324.4	10	34.295.4524.1	10	34.299.3014.9	4
34.295.2526.3	9	34.295.4324.7	10	34.295.4524.3	10	34.299.3110.0	4
34.295.2526.4	9	34.295.4324.9	10	34.295.4524.4	10	34.299.3110.1	4
34.295.2526.6	9	34.295.4325.0	11	34.295.4524.6	10	34.299.3110.4	4
34.295.2526.9	9	34.295.4325.1	11	34.295.4524.9	10	34.299.3110.7	4
34.295.2527.0	9	34.295.4325.3	11	34.295.4525.0	11	34.299.3110.9	4
34.295.2527.1	9	34.295.4325.4	11	34.295.4525.1	11	34.299.3114.0	4
34.295.2527.3	9	34.295.4325.7	11	34.295.4525.3	11	34.299.3114.1	4
34.295.2527.4	9	34.295.4325.9	11	34.295.4525.4	11	34.299.3114.4	4
34.295.2527.6	9	34.295.4326.0	11	34.295.4525.6	11	34.299.3114.7	4
34.295.2527.9	9	34.295.4326.1	11	34.295.4525.9	11	34.299.3114.9	4
34.295.2528.0	9	34.295.4326.3	11	34.295.4526.0	11	34.299.3200.0	5
34.295.2528.1	9	34.295.4326.4	11	34.295.4526.1	11	34.299.3200.1	5
34.295.2528.3	9	34.295.4326.7	11	34.295.4526.3	11	34.299.3200.4	5
34.295.2528.4	9	34.295.4326.9	11	34.295.4526.4	11	34.299.3200.7	5
34.295.2528.6	9	34.295.4327.0	11	34.295.4526.6	11	34.299.3200.9	5
34.295.2528.9	9	34.295.4327.1	11	34.295.4526.9	11	34.299.3202.0	5
34.295.4221.0	10	34.295.4327.3	11	34.295.4527.0	11	34.299.3202.1	5
34.295.4221.1	10	34.295.4327.4	11	34.295.4527.1	11	34.299.3202.4	5
34.295.4221.3	10	34.295.4327.7	11	34.295.4527.3	11	34.299.3202.7	5
34.295.4221.4	10	34.295.4327.9	11	34.295.4527.4	11	34.299.3202.9	5
34.295.4222.0	10	34.295.4328.0	11	34.295.4527.6	11	34.299.3210.0	5
34.295.4222.1	10	34.295.4328.1	11	34.295.4527.9	11	34.299.3210.1	5
34.295.4222.3	10	34.295.4328.3	11	34.295.4528.0	11	34.299.3210.4	5
34.295.4222.4	10	34.295.4328.4	11	34.295.4528.1	11	34.299.3210.7	5
34.295.4223.0	10	34.295.4328.7	11	34.295.4528.3	11	34.299.3210.9	5
34.295.4223.1	10	34.295.4328.9	11	34.295.4528.4	11	34.299.3212.0	5
34.295.4223.3	10	34.295.4421.0	10	34.295.4528.6	11	34.299.3212.1	5
34.295.4223.4	10	34.295.4421.1	10	34.295.4528.9	11	34.299.3212.4	5
34.295.4224.0	10	34.295.4421.4	10	34.299.2010.0	4	34.299.3212.7	5
34.295.4224.1	10	34.295.4422.0	10	34.299.2010.1	4	34.299.3212.9	5
34.295.4224.3	10	34.295.4422.1	10	34.299.2010.4	4	34.299.3410.3	4
34.295.4224.4	10	34.295.4422.4	10	34.299.2014.0	4	34.299.3414.3	4
34.295.4225.0	11	34.295.4423.0	10	34.299.2014.1	4	34.299.3510.3	4
34.295.4225.1	11	34.295.4423.1	10	34.299.2014.4	4	34.299.3514.3	4
34.295.4225.3	11	34.295.4423.4	10	34.299.2110.0	4	34.299.3600.3	5
34.295.4225.4	11	34.295.4424.0	10	34.299.2110.1	4	34.299.3602.3	5
34.295.4226.0	11	34.295.4424.1	10	34.299.2110.4	4	34.299.3610.3	5
34.295.4226.1	11	34.295.4424.4	10	34.299.2114.0	4	34.299.3612.3	5
34.295.4226.3	11	34.295.4425.0	11	34.299.2114.1	4	34.299.4010.0	4
34.295.4226.4	11	34.295.4425.1	11	34.299.2114.4	4	34.299.4010.1	4
34.295.4227.0	11	34.295.4425.4	11	34.299.2200.0	5	34.299.4010.4	4
34.295.4227.1	11	34.295.4426.0	11	34.299.2200.1	5	34.299.4014.0	4
34.295.4227.3	11	34.295.4426.1	11	34.299.2200.4	5	34.299.4014.1	4
34.295.4227.4	11	34.295.4426.4	11	34.299.2202.0	5	34.299.4014.4	4
34.295.4228.0	11	34.295.4427.0	11	34.299.2202.1	5	34.299.4110.0	4
34.295.4228.1	11	34.295.4427.1	11	34.299.2202.4	5	34.299.4110.1	4
34.295.4228.3	11	34.295.4427.4	11	34.299.2210.0	5	34.299.4110.4	4
34.295.4228.4	11	34.295.4428.0	11	34.299.2210.1	5	34.299.4114.0	4

# RST Heavy Duty Class I, Zone 2 RST HD Z2

Part No.	Pg.	Part No.	Pg.	Part No.	Pg.	Part No.	Pg.
34.299.4114.1	4						
34.299.4114.4	4						
34.299.4200.0	5						
34.299.4200.1	5						
34.299.4200.4	5						
34.299.4202.0	5						
34.299.4202.1	5						
34.299.4202.4	5						
34.299.4210.0	5						
34.299.4210.1	5						
34.299.4210.4	5						
34.299.4212.0	5						
34.299.4212.1	5						
34.299.4212.4	5						
34.299.5010.0	4						
34.299.5010.1	4						
34.299.5010.4	4						
34.299.5010.6	4						
34.299.5010.9	4						
34.299.5014.0	4						
34.299.5014.1	4						
34.299.5014.4	4						
34.299.5014.6	4						
34.299.5014.9	4						
34.299.5110.0	4						
34.299.5110.1	4						
34.299.5110.4	4						
34.299.5110.6	4						
34.299.5110.9	4						
34.299.5114.0	4						
34.299.5114.1	4						
34.299.5114.4	4						
34.299.5114.6	4						
34.299.5114.9	4						
34.299.5200.0	5						
34.299.5200.1	5						
34.299.5200.4	5						
34.299.5200.6	5						
34.299.5200.9	5						
34.299.5202.0	5						
34.299.5202.1	5						
34.299.5202.4	5						
34.299.5202.6	5						
34.299.5202.9	5						
34.299.5210.0	5						
34.299.5210.1	5						
34.299.5210.4	5						
34.299.5210.6	5						
34.299.5210.9	5						
34.299.5212.0	5						
34.299.5212.1	5						
34.299.5212.4	5						
34.299.5212.6	5						
34.299.5212.9	5						
34.299.5410.3	4						
34.299.5414.3	4						
34.299.5510.3	4						
34.299.5514.3	4						
34.299.5600.3	5						
34.299.5602.3	5						
34.299.5610.3	5						
34.299.5612.3	5						
99.543.0000.7	16						
99.545.0000.7	16						
99.547.0000.7	16						
99.549.0000.7	16						
Z5.564.4553.1	16						
Z5.565.9853.1	16						



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## Industrial technology

Solutions for the control cabinet

- DIN rail terminal blocks
  - Screw, spring clamp or IDC connection technology
  - Wire cross sections up to 240 mm<sup>2</sup>
  - Numerous special functions
  - Software solutions interfacing to CAE systems
- Safety
  - Safety sensors
  - Safety relays
  - Modular safety systems with fieldbus link
- PLC and fieldbus components
  - Standard applications in IP 20
  - Increased environmental conditions with railroad and ship approvals
- Interface
  - Coupling relays, semiconductor switches
  - Measuring and monitoring relays
  - Timer and switching relays
  - Analog modules
  - Passive interfaces
  - Power supply units
  - Overvoltage protection

Solutions for field applications

- Remote automation technology
  - Power distribution
  - Fieldbus interfaces and motor starters
- Connectors for industrial applications
  - Square and round connectors
  - Aluminum or plastic housings
  - Degree of protection up to IP 68
  - Current-carrying capacity up to 100 A
  - Connectors for hazardous areas
  - Modular, application specific technology

PC board terminals and connectors

- Screw or spring clamp connection technology
- Spacings: 3.5 mm to 10.16 mm
- Reflow or wave soldering process

## Hazardous Locations Technology

- DIN rail terminal blocks (Ex e)
- Non-Incendive Barriers (Class I, Zone 2 / Division 2)
- flare Electromechanical Relays (CI, D2)
- flare Solid State Relays (CI, D2)
- flare Timers (CI, D2)
- wipos Power Supplies (CI, D2)
- wieNET Industrial Ethernet Switches (CI, D2)
- revos Multipole Connectors (CI, Z2)
- gesis RST20i Connectors (CI, Z2)
- revos COAX Connectors (CI, Z2/D2)

34.205.0161.4

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## Product Range