11. Replace Locking Clip

A. Unscrew and move protective collars (if installed)
B. Align a slotted screwdriver on the edge of the locking clip
C. Push down and turn screwdriver 90 degrees
D. Ensure locking clip is installed in male insert or male disconnect cap

12. Remove Disconnect Caps

A. Align a slotted screwdriver on the edge of the locking clip
B. Push down and turn screwdriver 90 degrees
C. Pull disconnect cap firmly off connector
D. Ensure locking clip is installed in male insert or male disconnect cap

NOTE

In low temperate application the disconnect cap will maintain a very tight seal with high tensile resistance. Do not pry cap off with screwdriver.

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info@wieland-electric.ca

gesis RST 20i HD Z2

Installation and Assembly Instructions

Type gesis RST 20i2 HD Z2 (20A, 600V, 20-12AWG)
Type gesis RST 20i3 HD Z2 (20A, 600V, 20-12AWG)
Type gesis RST 20i4 HD Z2 (20A, 600V, 10AWG)
Type gesis RST 20i5 HD Z2 (20A, 600V, 20-12AWG)
Type gesis RST 20i3 HD Z2 (30A, 600V, 10AWG)

34.205.0100.1 01/12

This leaflet is intended for use by trained electricians only. It describes the installation of connectors in hazardous areas. Please observe the warnings and notes.

Technical Data

Electrical

Rated Voltage: 600V
Rated Current: 20A / 30A
Wire Gauge: 20-12AWG (20A)
10AWG (30A)

Material

Contact Parts: Brass, Special Plated for Oil and Gas applications (resistance to H₂S gas)
Housing Parts: Thermoplastic material PA66, Halogen free, UL94-V2, UV stabilized
Collars: Thermoplastic material PA66, Halogen free, UL94-V2, UV stabilized
Adapters: Thermoplastic polymer material PC, UL94-V2 Stabilized, UV Stabilized
Gaskets & Seals: NBR

Mechanical

Number of Poles: 2, 3, 4 or 5
Housing Colour: Black
Collar Colour: Black
Insert Colour: Various colours available, see product brochure for details
Ambient Temperature: -40°C to +110°C
Mating Cycles: 100 cycles without load
Degree of Protection: Type 6P (Canada); IK07
Coding: Different colours* mechanically coded and will not intermate
*Gray and Black of same pole count will intermate.

Approvals

Certifications (Ordinary Location):
VDE, UL, CSA, LRI, GL, DIN
Certifications (Hazardous Location):
cQPS File#LR1063
Ex e IIB H2 T4 X (20A)
Ex e IIB H2 T5 X (30A)
Suitable for Class I, Zone 2 (Division 2) installations

Cable Specifications

20A, 600V, 20-12AWG
HL rated (extra hard usage) Industrial Tray Cable
30A, 600V, 10AWG
HL rated (extra hard usage) Industrial Tray Cable: 90°C rated or above

Replacement Parts

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>99.543.0000.7</td>
<td>Cover for 2X3 pole female connector inc. tether</td>
</tr>
<tr>
<td>99.545.0000.7</td>
<td>Cover for 2X3 pole male connector inc. tether</td>
</tr>
<tr>
<td>99.547.0000.7</td>
<td>Cover for 4X5 pole female connector inc. tether</td>
</tr>
<tr>
<td>99.549.0000.7</td>
<td>Cover for 4X5 pole male connector inc. tether</td>
</tr>
<tr>
<td>34.225.0062.8</td>
<td>Post-drive Screwdriver, 54mm length</td>
</tr>
<tr>
<td>34.225.0060.8</td>
<td>Post-drive Screwdriver, 80mm length</td>
</tr>
<tr>
<td>05.583.2955.2</td>
<td>Locking Clip for Male Inserts, WHITE</td>
</tr>
<tr>
<td>06.502.4000.0</td>
<td>Flat (Slot) Screwdriver 0.6 x 3.5</td>
</tr>
<tr>
<td>06.502.4100.0</td>
<td>Flat (Slot) Screwdriver 0.8 x 4.0 x 100</td>
</tr>
<tr>
<td>06.502.4500.0</td>
<td>Flat (Slot) Screwdriver 0.4 x 2.5</td>
</tr>
</tbody>
</table>

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Wieland Electric Canada

ENG Installation and Assembly Instructions

Type gesis RST 20i2 HD Z2 (20A, 600V, 10AWG)
Type gesis RST 20i3 HD Z2 (30A, 600V, 10AWG)
Type gesis RST 20i4 HD Z2 (20A, 600V, 20-12AWG)
Type gesis RST 20i5 HD Z2 (20A, 600V, 20-12AWG)
Type gesis RST 20i6 HD Z2 (20A, 600V, 20-12AWG)

1. Wire Preparation (For RST Insert)

- G - Ground (green)
- N - Neutral (white)

2. Wire Termination

- G - Ground (green)
- N - Neutral (white)
- L - Line (black)
- G - Ground (green)

3. Install Insert

- A. Align slots on housing with tabs on insert
- B. Push insert into housing until both tabs “click” in place
- C. Tighten cable gland
- D. Ensure locking tab is installed in male insert

4. Connect Connectors

- A. Align locking clip and locking slot
- B. Push connectors firmly together until locking clip “clicks”
- C. Screw protective collars together

5. Disconnect Connectors

- A. Unscrew protective collars
- B. Align a slotted screwdriver on the edge of the locking clip
- C. Push down and turn screwdriver 90 degrees
- D. Pull connectors firmly apart
- E. Ensure locking clip is installed in male insert

6. Uninstall Insert

- A. Unscrew protective collars
- B. Insert housing and collar through panel cut-out
- C. Tighten housing to the recommended torque.
- D. Pull connectors firmly apart
- E. Terminate wires (see #2)
- F. Repeat for opposite insert locking tab
- G. Pull connectors firmly apart
- H. Loosen locking nut
- I. Do not operate with damaged parts!

7. Install Panel Mount Housing

- A. Insert panel housing through collar
- B. Insert housing and collar through panel cut-out
- C. Screw on nut and torque
- D. Feed wires through housing
- E. Terminate wires (see #2)
- F. Install insert (see #3)

8. Uninstall Panel Mount Housing

- A. Loosen locking nut
- B. Remove housing from panel cut-out
- C. Remove collar from housing
- D. Uninstall insert (see #6)
- E. De-terminate wires

9. Install Device Mount Housing

- A. Insert device mount housing through collar
- B. Screw housing into the device NPT thread
- C. Tighten housing to the recommended torque.
- D. Feed device wiring through housing
- E. Terminate wires (see #2)
- F. Install insert (see #3)

10. Uninstall Device Mount Housing

- A. Uninstall insert (See #6)
- B. De-Terminate wires
- C. Loosen housing from device NPT thread
- D. Remove collar from housing

**NOTE**
- Do not operate with damaged parts!
- The connectors are not for current interrupting. Never connect or disconnect under load!
- Explosion hazard: Do not connect or disconnect while energized!
- Never connect or disconnect under load!
- Do not operate with damaged parts! Refer to parts lists on the back page for the list of replacement components.

**IMPORTANT**
- Do not exceed the electrical ratings of the connector: RST 202, RST 203, RST 204, RST 205: 600V / 20 A / 20-12 AWG
- RST 203: 600V / 30 A / 10 AWG