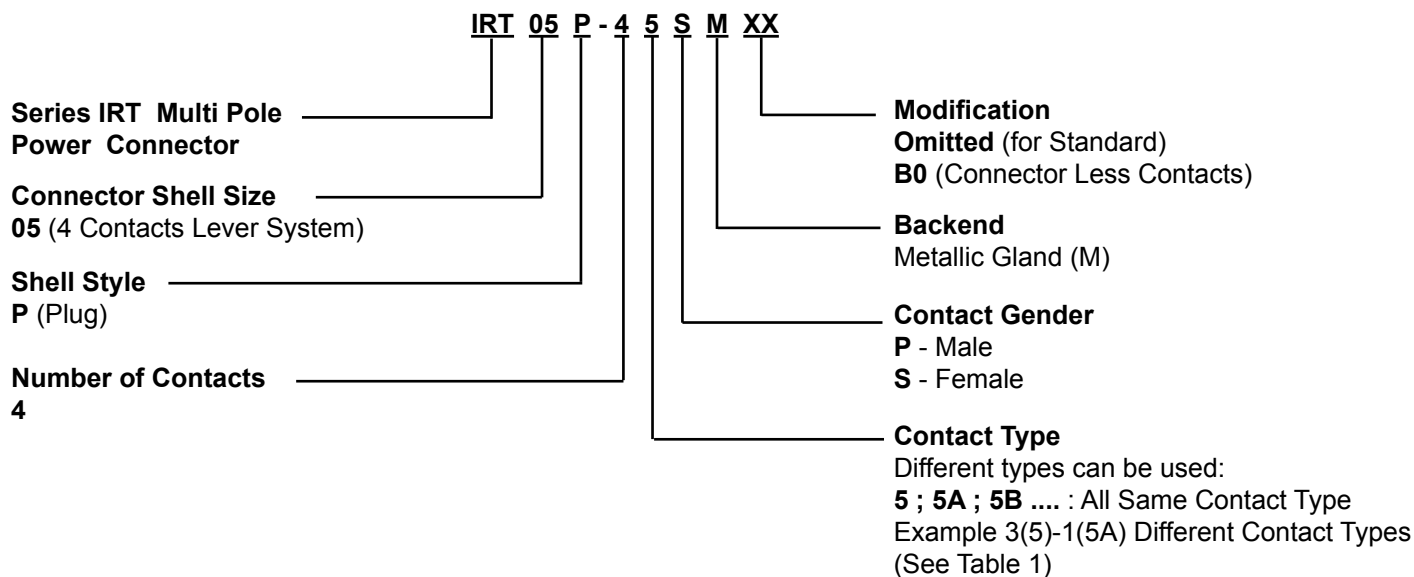


A



#### Application Notes:

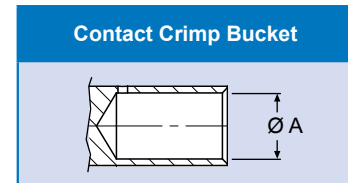
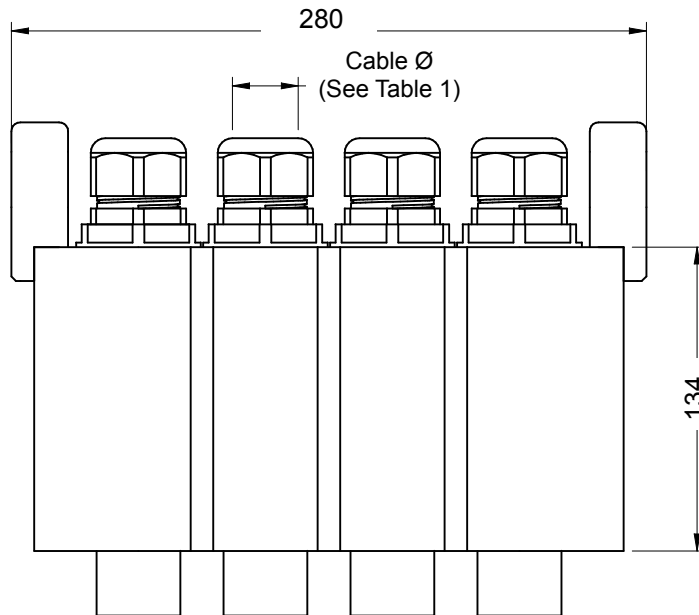
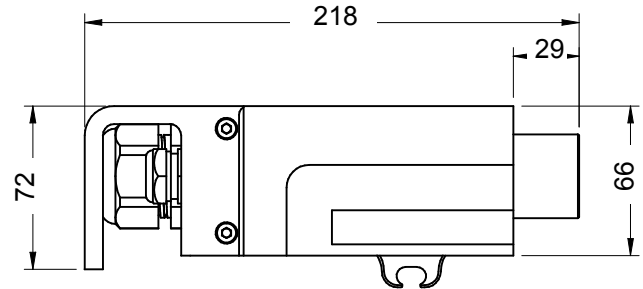
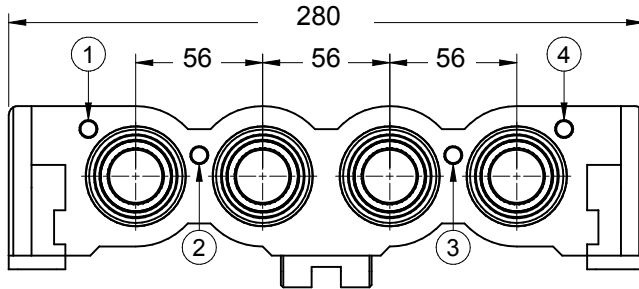
- Plug with metallic gland. RoHs compliant.
- Working voltage: 1500 Vac.
- Test voltage: 4500 Vac.
- Water proof: IP67 level (coupled connectors).
- Contact resistance: 0.3 mΩ max.
- Temperature range: -55 to +125°C.
- Contact: copper alloy silver plating.
- Insulator: UL94V0-NFF16-102:I2F1 (exigency 4).
- Shell: Aluminium alloy with electrodeposited black plating.
- Clearance in air: 26.8 mm Min.
- Creepage distance: 26.8 mm Min.

**IRT Series**  
**Rectangular Multi Pole Power Connector**  
 Plug Shell Size 05  
 Assembly for Metallic Gland



IRT  
Connectors

A



**TABLE 1 - CONTACTS**

| Contact Type | Male Contact P/N | Female Contact P/N | Crimp Bucket - A - (mm) | Cable Section (AWG) | Cable Section (mmq) | Cable Diameter (mmq) |     | Working Current (A) * | Max Current (A) * |
|--------------|------------------|--------------------|-------------------------|---------------------|---------------------|----------------------|-----|-----------------------|-------------------|
|              |                  |                    |                         |                     |                     | Min                  | Max |                       |                   |
| 5            | IRT-5-P-2200G10  | IRT-5-S-2200G10    | 22                      | 373MCM              | 185                 | 28                   | 32  | 550                   | 600               |
| 5A           | IRT-5-P-2090G10  | IRT-5-S-2090G10    | 20.9                    | 313MCM              | 150                 | 24                   | 28  | 500                   | 550               |
| 5B           | IRT-5-P-1780G10  | IRT-5-S-1780G10    | 17.8                    | 262MCM              | 120                 | 16                   | 19  | 450                   | 520               |
| 5C           | IRT-5-P-1550G10  | IRT-5-S-1550G10    | 15.5                    | 3/0                 | 95                  | 13                   | 16  | 320                   | 400               |
| 5D           | IRT-5-P-900G10   | IRT-5-S-900G10     | 9                       | 2                   | 35                  | 8                    | 11  | 120                   | 150               |

\* Related to cables section