

# With earth contact

## Industrial Series

**JAEGER**  
Connecteurs

Mai-2003

- **Receptacle, plug, cable connecting plug**
- **Locking** : Quick connection of the plug by a spring-loaded coupling system 1/6 turn
- **Protection** : IP 50 to IP 54 with potting compound into the shell and gasket under receptacle.
- **Contacts** : 3 to 27 contacts  $\varnothing$  1,6 mm and  $\varnothing$  2,4 mm crimping or soldering type contacts.
- **Max current rating** : 15A  $\varnothing$  1,6mm, 30A  $\varnothing$  2,4 mm, in consideration of the number of contacts carrying the current, their diameters, and the temperature increase which is permissible.

- **Contact resistance between pin and socket** :  $<0.0015 \Omega \varnothing$  1,6mm,  $<0.0010 \Omega \varnothing$  2,4mm,
- **Flashover voltage** : at (20°C) 68°F, at sea level higher than 2500 V A.C
- **Insulation resistance** :  $>5000 M\Omega$
- **Operating temperature range** : - 40°C to +100°C (500 hours at +125°C).
- **Raw material** : male and female contacts : Brass with gold finish.  
body: light metal alloy with nickel finish.
- **Max, wire cross section area** :  
1,93 mm<sup>2</sup>  $\varnothing$  1,6 mm and 3,18 mm<sup>2</sup>  $\varnothing$  2,4 mm.



### Part numbers : Pin insert receptacles, socket insert plugs and cable connecting plugs, pin insert

| Shell size | Contacts number | $\varnothing$ contacts | receptacle pin insert | Socket insert plug | Cable connecting plugs pin insert | Cable clamp ** Type 3 | Gaskets for receptacle | Protection caps receptacle | Protection cap plug | Adjustable crimping tool                                                     |
|------------|-----------------|------------------------|-----------------------|--------------------|-----------------------------------|-----------------------|------------------------|----------------------------|---------------------|------------------------------------------------------------------------------|
| 1          | 3               | $\varnothing$ 1.6mm    | 630 603 006           | 632 603 006        | 633 603 006                       | 630 135 006           | 536 945 006            | 630 720 006                | 632 720 006         | 579 481 006                                                                  |
| 1          | 4               |                        | 630 604 006           | 632 604 006        | 633 604 006                       | 630 135 006           | 536 945 006            | 630 720 006                | 632 720 006         | Colour selection :<br>$\varnothing$ 1.6mm blue<br>$\varnothing$ 2.4mm yellow |
| 1          | 7               |                        | 630 607 006           | 632 607 006        | 633 607 006                       | 630 135 006           | 536 945 006            | 630 720 006                | 632 720 006         |                                                                              |
| 2          | 12              |                        | 630 612 006           | 632 612 006        | 633 612 006                       | 630 138 006           | 536 946 006            | 536 845 006                | 532 214 006         |                                                                              |
| 3          | 19              |                        | 630 619 006           | 632 619 006        | 633 619 006                       | 630 155 006           | 536 947 006            | 536 846 006                | 532 218 006         | Combined insertion and extraction tool for contacts*                         |
| 3          | 27              |                        | 630 627 006           | 632 627 006        | 633 627 006                       | 630 155 006           | 536 947 006            | 536 846 006                | 532 218 006         |                                                                              |
| 1          | 3               | $\varnothing$ 2.4mm    | 630 803 006           | 632 803 006        | 633 803 006                       | 630 135 006           | 536 945 006            | 630 720 006                | 632 720 006         | $\varnothing$ 1.6mm                                                          |
| 1          | 4               |                        | 630 804 006           | 632 804 006        | 633 804 006                       | 532 135 006           | 536 945 006            | 630 720 006                | 632 720 006         | 577 454 006                                                                  |
| 2          | 7               |                        | 630 807 006           | 632 807 006        | 633 807 006                       | 630 138 006           | 536 946 006            | 536 845 006                | 532 214 006         | $\varnothing$ 2.4mm                                                          |
| 3          | 12              |                        | 630 812 006           | 632 812 006        | 633 812 006                       | 630 155 006           | 536 947 006            | 536 846 006                | 532 218 006         | 577 458 006                                                                  |

### Part numbers : Socket insert receptacles, pin insert plugs and cable connecting plugs, socket insert

| Shell size | Contacts number | $\varnothing$ contacts | Socket insert receptacle | Pin insert plug | Cable connecting plug, socket insert | Cable clamp ** Type 3 | Gaskets for receptacle | Protection caps receptacle | Protection cap plug | Adjustable crimping tool                                                     |
|------------|-----------------|------------------------|--------------------------|-----------------|--------------------------------------|-----------------------|------------------------|----------------------------|---------------------|------------------------------------------------------------------------------|
| 1          | 3               | $\varnothing$ 1.6mm    | 630 703 006              | 632 703 006     | 633 703 006                          | 630 135 006           | 536 945 006            | 630 720 006                | 632 720 006         | 579 481 006                                                                  |
| 1          | 4               |                        | 630 704 006              | 632 704 006     | 633 704 006                          | 630 135 006           | 536 945 006            | 630 720 006                | 632 720 006         | Colour selection :<br>$\varnothing$ 1.6mm blue<br>$\varnothing$ 2.4mm yellow |
| 1          | 7               |                        | 630 707 006              | 632 707 006     | 633 707 006                          | 630 135 006           | 536 945 006            | 630 720 006                | 632 720 006         |                                                                              |
| 2          | 12              |                        | 630 712 006              | 632 712 006     | 633 712 006                          | 630 138 006           | 536 946 006            | 536 845 006                | 532 214 006         |                                                                              |
| 3          | 19              |                        | 630 719 006              | 632 719 006     | 633 719 006                          | 630 155 006           | 536 947 006            | 536 846 006                | 532 218 006         | Combined insertion and extraction tool for contacts*                         |
| 3          | 27              |                        | 630 727 006              | 632 727 006     | 633 727 006                          | 630 155 006           | 536 947 006            | 536 846 006                | 532 218 006         |                                                                              |
| 1          | 3               | $\varnothing$ 2.4mm    | 630 903 006              | 632 903 006     | 633 903 006                          | 630 135 006           | 536 945 006            | 630 720 006                | 632 720 006         | $\varnothing$ 1.6mm                                                          |
| 1          | 4               |                        | 630 904 006              | 632 904 006     | 633 904 006                          | 532 135 006           | 536 945 006            | 630 720 006                | 632 720 006         | 577 454 006                                                                  |
| 2          | 7               |                        | 630 907 006              | 632 907 006     | 633 907 006                          | 630 138 006           | 536 946 006            | 536 845 006                | 532 214 006         | $\varnothing$ 2.4mm                                                          |
| 3          | 12              |                        | 630 912 006              | 632 912 006     | 633 912 006                          | 630 155 006           | 536 947 006            | 536 846 006                | 532 218 006         | 577 458 006                                                                  |

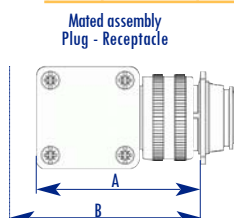
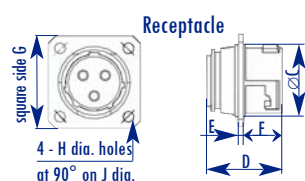
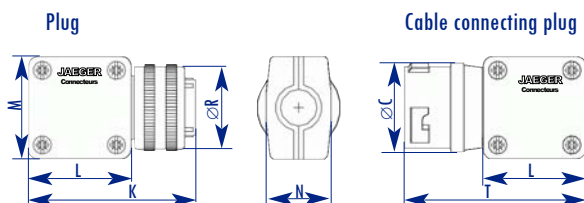
\*Note : tool, part. No 577 454 006  $\varnothing$ 1.6mm and No 577 458 006  $\varnothing$ 2.4mm, is necessary, for insertion and extraction contacts.

\*\*Cable-clamp, refer to the other documentation.

Other accessories : connection, sealing, protection, fixing...

Polarisation : listed under different Part Nos, certain types of connectors are available with two alternative keying dispositions. This feature will prevent cross plugging adjacent connectors with similar contact arrangement.

### Dimensions :



| Boîtier | nombre contact                                         | Assemblage |    | Embase |      |     |      |    |     |    | Fiche et Prolongateur |      |      |      |      |      |
|---------|--------------------------------------------------------|------------|----|--------|------|-----|------|----|-----|----|-----------------------|------|------|------|------|------|
|         |                                                        | A          | B  | C      | D    | E   | F    | G  | H   | J  | K                     | L    | M    | N    | R    | T    |
| 1       | $\varnothing$ 1,6mm 3 - 4-7<br>$\varnothing$ 2,4mm 3-4 | 54         | 63 | 21     | 20,5 | 1,5 | 11,5 | 27 | 3,2 | 28 | 50                    | 32,2 | 32,2 | 20,2 | 25   | 50,3 |
| 2       | $\varnothing$ 1,6mm 12<br>$\varnothing$ 2,4mm 7        | 58         | 67 | 27     | 20,5 | 1,5 | 11,5 | 32 | 3,2 | 34 | 54                    | 36,4 | 36,4 | 23,5 | 32,5 | 54,2 |
| 3       | $\varnothing$ 1,6mm 19-27<br>$\varnothing$ 2,4mm 12    | 66         | 75 | 39     | 23   | 2   | 11,5 | 43 | 4,2 | 48 | 61                    | 42,6 | 47,6 | 31,3 | 44   | 62,1 |