

High density of contacts

Miniature 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** : 12 to 55 contacts \varnothing 1 mm, crimping or soldering type contacts.
- **Max current rating** : 7 A \varnothing 1 mm, consideration of the number of contacts carrying the current, their diameters, and the temperature increase which is permissible.
- **Contact resistance between pin and socket** : $<0,0020 \Omega$

- **Flashover voltage** : at (20°C) 68°F, at sea level 19 or 37 cts higher than 2000 V A.C
12, 27 or 55 cts 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** : 0,93 mm².



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

| Shell size | Contacts number | receptacle pin insert | Socket insert plug | Cable connecting plugs pin insert | Cable clamp ** Type 2 | Backshells for receptacle | Protection caps receptacle | Protection cap plug | Gaskets for receptacle | Adjustable crimping tool |
|------------|-----------------|-----------------------|--------------------|-----------------------------------|-----------------------|---------------------------|----------------------------|---------------------|------------------------|---|
| 1 | 12 | 533 503 006 | 530 502 006 | 530 507 006 | 532 328 006 | 533 550 006 | 630 720 006 | 632 720 006 | 536 945 006 | 579 316 006 (small crimping tool) 579 481 006 (big crimping tool \varnothing 1mm red identification) |
| 1 | 19 | 533 514 006 | 530 504 006 | 530 514 006 | 532 328 006 | 533 550 006 | 630 720 006 | 632 720 006 | 536 945 006 | Combined insertion and extraction tool for contacts* |
| 2 | 27 | 533 513 006 | 530 512 006 | 530 517 006 | 532 329 006 | 533 558 006 | 536 845 006 | 532 214 006 | 536 946 006 | |
| 2 | 37 | 533 525 006 | 530 520 006 | 530 525 006 | 532 329 006 | 533 558 006 | 536 845 006 | 532 214 006 | 536 946 006 | 597 104 006 |
| 3 | 55 | 533 523 006 | 530 522 006 | 530 527 006 | 532 350 006 | 533 559 006 | 536 846 006 | 532 218 006 | 536 947 006 | |

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| Shell size | Contacts number | Socket insert receptacle | Pin insert plug | Cable connecting plug, socket insert | Cable clamp ** type 2 | Backshells for receptacle | Protection caps receptacle | Protection cap plug | Gaskets for receptacle | Adjustable crimping tool |
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| 2 | 37 | 533 524 006 | 530 521 006 | 530 524 006 | 532 329 006 | 533 558 006 | 536 845 006 | 532 214 006 | 536 946 006 | 597 104 006 |
| 3 | 55 | 533 522 006 | 530 523 006 | 530 526 006 | 532 350 006 | 533 559 006 | 536 846 006 | 532 218 006 | 536 947 006 | |

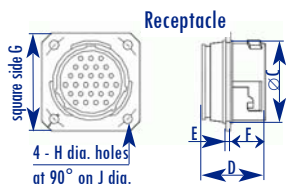
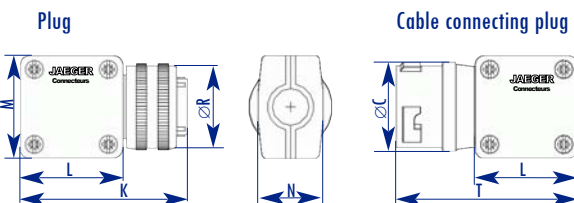
*Note : tool, part. No 597 104 006, is necessary, for insertion and extraction contacts.

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

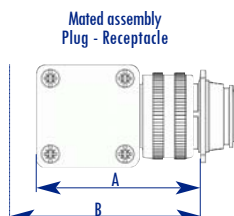
Other accessories : connection, sealing, protection, fixing...

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 :



| Shell size | Contact number | Mated assembly | | Receptacle | | | | | | | | Plug - Cable connecting plug | | | | |
|------------|----------------|----------------|----|------------|------|-----|------|----|-----|----|----|------------------------------|------|------|------|------|
| | | A | B | C | D | E | F | G | H | J | K | L | M | N | R | T |
| 1 | 12-19 | 54 | 63 | 21 | 20,5 | 1,5 | 11,5 | 27 | 3,2 | 28 | 50 | 32,2 | 32,2 | 20,2 | 25 | 50,3 |
| 2 | 27-37 | 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 | 55 | 66 | 75 | 39 | 23 | 2 | 11,5 | 43 | 4,2 | 48 | 61 | 42,6 | 47,6 | 31,3 | 44 | 62,1 |



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