

Junction Boxes Series 8118

- Explosion protection to
 - CENELEC
 - IEC
- Can be used in Zone 1 and Zone 2
- Enclosures in glass fibre reinforced polyester resin
- Supplied in 3 sizes
 - as standard junction box with 4, 5 or 8 terminals.
 - as junction box with integral small equipment fuse with
 - 3 terminals and 1 small equipment fuse
 - 7 terminals and 1 small equipment fuse
 - 6 terminals and 2 small equipment fuses
- Degree of protection IP 66

STAHL

Series 8118 junction boxes are used for carrying and distributing electrical power in hazardous areas.














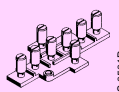




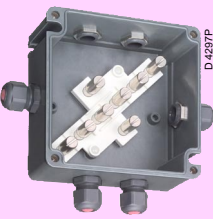
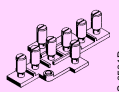



They are supplied in 3 sizes with and without small equipment fuse, and are therefore suitable not only as pure connection and distribution boxes, but also for protecting electrical loads up to 4 A. Type 8161 cable glands in plastic are used as standard cable entries.

Bell-mouthed or metal glands can be fitted if ordered. The metal cable entries are connected to the earthing system via brass plates.

Zone 1 and Zone 2

Selection table

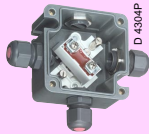
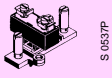


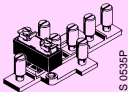

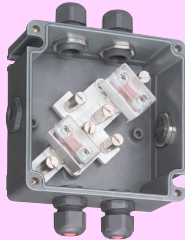
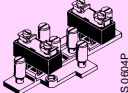

with small equipment fuse

| Series | Terminals | | Cable entries | | | Ordering code | Weight [kg] | |
|---|---|--|---|----------------|----------------|-----------------------|-----------------------|------|
| | Position | Drillings | Cable glands | Stopping plugs | | | | |
| 8118/11 – ...  | EEx e version | | | | | | | |
| |  4 Terminals |  | 3 x M 20 x 1,5 | 2 x M 20 x 1,5 | 1 x M 20 x 1,5 | 8118/111 – 401 | 0,31 | |
| | |  | 4 x M 20 x 1,5 | 3 x M 20 x 1,5 | 1 x M 20 x 1,5 | 8118/111 – 403 | 0,33 | |
| | EEx i version | | | | | | | |
| |  4 Terminals |  | 3 x M 20 x 1,5 | 2 x M 20 x 1,5 | 1 x M 20 x 1,5 | 8118/211 – 401 | 0,31 | |
| | |  | 4 x M 20 x 1,5 | 3 x M 20 x 1,5 | 1 x M 20 x 1,5 | 8118/211 – 403 | 0,33 | |
| | EEx e version | | | | | | | |
| |  5 Terminals |  | 4 x M 20 x 1,5 | 3 x M 20 x 1,5 | 1 x M 20 x 1,5 | 8118/111 – 503 | 0,34 | |
| | 8118/21 – ...  | EEx e version | | | | | | |
| | |  5 Terminals |  | 4 x M 25 x 1,5 | 4 x M 25 x 1,5 | – | 8118/121 – 538 | 0,58 |
|  | | | 2 x M 25 x 1,5 | 2 x M 25 x 1,5 | – | 8118/121 – 539 | 0,50 | |
|  8 Terminals | |  | 3 x M 25 x 1,5 | 2 x M 25 x 1,5 | 1 x M 25 x 1,5 | 8118/121 – 804 | 0,54 | |
| | |  | 4 x M 25 x 1,5 | 3 x M 25 x 1,5 | 1 x M 25 x 1,5 | 8118/121 – 805 | 0,57 | |
| | | | 4 x M 32 x 1,5 | 3 x M 32 x 1,5 | 1 x M 32 x 1,5 | 8118/121 – 837 | 0,57 | |
| | |  | 6 x M 20 x 1,5 | 4 x M 20 x 1,5 | 2 x M 20 x 1,5 | 8118/121 – 806 | 0,50 | |
| | |  | 6 x M 25 x 1,5 | 4 x M 25 x 1,5 | 2 x M 25 x 1,5 | 8118/121 – 807 | 0,60 | |
| 8118/31 – ...  | | EEx e version | | | | | | |
| | |  8 Terminals |  | 4 x M 32 x 1,5 | 3 x M 32 x 1,5 | 1 x M 32 x 1,5 | 8118/131 – 808 | 0,80 |
| |  | | 6 x M 32 x 1,5 | 4 x M 32 x 1,5 | 2 x M 32 x 1,5 | 8118/131 – 811 | 0,85 | |
| |  | | 8 x M 25 x 1,5 | 6 x M 25 x 1,5 | 4 x M 25 x 1,5 | 8118/131 – 814 | 0,85 | |

Note: Cable entries:

Standard: Compression glands, 8161

Options: Metal glands with brass plates, bell mouthed glands or compression glands 8161 in non-standard positions.

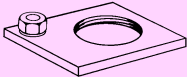
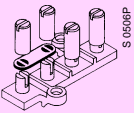
| Selection table | | with small equipment fuse | | | | Ordering code | Weight [kg] |
|---|--|---|----------------|----------------|-------------------|-----------------------|----------------|
| Version | Terminals | Cable glands Position | Drillings | Cable glands | Stopping plugs | | |
| 8118/113 – ...  |  S 0537P 3 Terminals + 1 Fuse |  | 4 x M 20 x 1,5 | 2 x M 20 x 1,5 | 2 x M 20 x 1,5 | 8118/113 – 303 | 0,33 |
| 8118/123 – ...  |  S 0535P 7 Terminals + 1 Fuse |  | 6 x M 25 x 1,5 | 4 x M 25 x 1,5 | 2 x M 25 x 1,5 | 8118/123 – 707 | 0,62 |
| 8118/133 – ...  |  S 0564P 6 Terminals + 2 Fuses |  | 6 x M 25 x 1,5 | 4 x M 25 x 1,5 | 4 x M 25 x 1,5 | 8118/133 – 610 | 0,79 |

Add. to ordering code: Fuse must be ordered separately (Specify in writing)

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| Accessories – small equipment fuse 8560 | | | | | | | | |
|---|--------------|-----------------------|--------------|-----------------------|--------------|-----------------------|--------------|-----------------------|
| Version | I_N [A] | Ordering code | I_N [A] | Ordering code | I_N [A] | Ordering code | I_N [A] | Ordering code |
| 8560/51 250 V, UC | 0,032 | 85 600 01 01 0 | 0,050 | 85 600 02 01 0 | 0,063 | 85 600 03 01 0 | 0,080 | 85 600 04 01 0 |
| | 0,100 | 85 600 05 01 0 | 0,125 | 85 600 06 01 0 | 0,160 | 85 600 07 01 0 | 0,200 | 85 600 08 01 0 |
| | 0,250 | 85 600 09 01 0 | 0,315 | 85 600 10 01 0 | 0,400 | 85 600 11 01 0 | 0,500 | 85 600 12 01 0 |
| | 0,630 | 85 600 13 01 0 | 0,800 | 85 600 14 01 0 | 1,0 | 85 600 15 01 0 | 1,250 | 85 600 16 01 0 |
| | 2,0 | 85 600 17 01 0 | 4,0 | 85 600 18 01 0 | | | | |
| 8560/61 500 V, UC | 0,080 | 85 600 01 02 0 | 0,100 | 85 600 02 02 0 | 0,125 | 85 600 03 02 0 | 0,200 | 85 600 04 02 0 |
| | 0,250 | 85 600 05 02 0 | 0,315 | 85 600 06 02 0 | 0,400 | 85 600 07 02 0 | 0,500 | 85 600 08 02 0 |

Accessories and spare parts

| Designation | Illustration | Description | Ordering code | Weight [kg] | |
|-------------|--|---|---------------|-----------------------|-------|
| Brass plate |  S 0083P | necessary when using metal glands | see page 8/15 | | |
| Jumper link |  S 0566P | for bridging of 2 hood-type terminals (side by side; usable for junction boxes) | 8118/.1. | 81 189 01 57 0 | 0,002 |
| | | | 8118/.2. | 81 189 02 57 0 | 0,003 |
| | | | 8118/.3. | 81 189 03 57 0 | 0,005 |

