

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

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










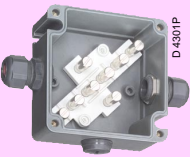



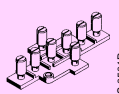




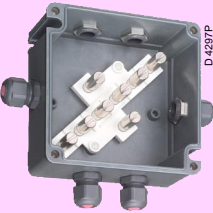
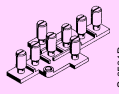



They are supplied in 3 sizes with and without small equipment fuse, and are therefore suitable not only as pure connection and distribution boxes, but also for protecting electrical loads up to 4 A. Type 8161 cable glands in plastic are used as standard cable entries.

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

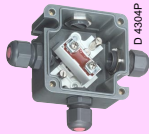
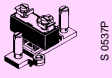


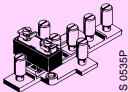

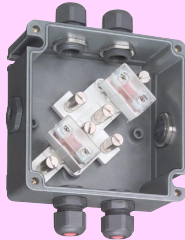
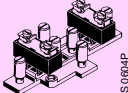

with small equipment fuse

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.

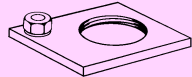
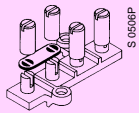
Selection table		with small equipment fuse				Ordering code	Weight [kg]
Version	Terminals	Cable glands Position	Drillings	Cable glands	Stopping plugs		
8118/113 – ... 	 S 0537P 3 Terminals + 1 Fuse		4 x M 20 x 1,5	2 x M 20 x 1,5	2 x M 20 x 1,5	8118/113 – 303	0,33
8118/123 – ... 	 S 0535P 7 Terminals + 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 0604P 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 0506P	for bridging of 2 hood-type terminals (side by side; usable for junction boxes)	8118/.1. 81 189 01 57 0 8118/.2. 81 189 02 57 0 8118/.3. 81 189 03 57 0	0,002 0,003 0,005

