



- Small resistant Ex e enclosure for distributing electric energy
- Degree of protection IP66
- Equipped with 4 mantle terminals and 1 PE connection

E3

WebCode 8102A



R. STAHL Series 8102 junction boxes are small Ex e enclosures for transporting and distributing electric energy in hazardous areas. They are made from glass fibre-reinforced polyester resin and are therefore extremely robust. The junction box has 5 mantle terminals, whereby one is used as a PE connection point. The cable dia. range of the mantle terminals is 2 x 4 mm².

	ATEX / IECEx					
Zone	0	1	2	20	21	22
Installation in		•	•		•	•

Selection Table						
Product Description		Ex e junction box				
Figure	Product Type	Cable Glands	Terminal	Art. No.	PS	Weight kg
	8102/21-42-C1151	2 x Black cable entry M20 Ø 4 ... 13 mm 1 x Black cable entry M25 Ø 7 ... 17 mm 1 x Stopping plug M20 x 1,5	5 x Sheath terminal 4 mm ²	132979 ▲	10	0.330
	8102/21-32	3 x Black cable entry M20 Ø 4 ... 13 mm	5 x Sheath terminal 4 mm ²	218559	10	0.330
	8102/21-32-C995	3 x Black cable entry M20 Ø 6,5 ... 14 mm	5 x Sheath terminal 4 mm ²	132973 ▲	10	0.200
	8102/21-32-C1013	2 x Black cable entry M20 Ø 4 ... 13 mm 1 x Stopping plug M20 x 1,5	5 x Sheath terminal 4 mm ²	132975 ▲	10	0.330
	8102/21-32-C2052	2 x Black cable entry M20 Ø 6,5 ... 14 mm 1 x Stopping plug M20 x 1,5	5 x Sheath terminal 4 mm ²	258298	10	–
	8102/21-31	3 x Black cable entry Semi-gland M20 Ø 6,5 ... 14 mm	5 x Sheath terminal 4 mm ²	132988 ▲	10	0.300

Selection Table

Product Description		Ex i junction box				
Figure	Product Type	Cable Glands	Terminal	Art. No.	PS	Weight kg
	8102/22-32	3 x Blue cable entry M20 Ø 4 ... 13 mm 5 x Sheath terminal 4 mm²	5 x Sheath terminal 4 mm²	261597	10	0.330
	8102/22-31	3 x Black cable entry Semi-gland M20 Ø 6,5 ... 14 mm	5 x Sheath terminal 4 mm²	132989 ▲	10	0.300

Technical Data

Variant	Ex e junction box	Ex e junction box with semi-glands	Ex i junction box	Ex i junction box with semi-glands
Explosion Protection				
Ambient temperature °C	-50 ... +55 °C	-40 ... +40 °C	-50 ... +70 °C	-40 ... +70 °C
Gas explosion protection IECEx	Ex eb IIC T6 Gb	Ex eb IIC T6 Gb	Ex ia ib IIC T6 Gb	Ex ia ib IIC T6 Gb
Gas explosion protection ATEX	Ex II 2 G Ex eb IIC T6 Gb	Ex II 2 G Ex eb IIC T6 Gb	Ex II 2 G Ex ia ib IIC T6 Gb	Ex II 2 G Ex ia ib IIC T6 Gb
Dust explosion protection IECEx	Ex tb IIIC T80 °C Db	Ex tb IIIC T80 °C Db	Ex tb IIIC T80 °C Db	Ex tb IIIC T80 °C Db
Dust explosion protection ATEX	Ex II 2 D Ex tb IIIC T80 °C Db	Ex II 2 D Ex tb IIIC T80 °C Db	Ex II 2 D Ex tb IIIC T80 °C Db	Ex II 2 D Ex tb IIIC T80 °C Db
Ambient temperature °C 2	-50 ... +70 °C	-40 ... +70 °C		
Gas explosion protection IECEx 2	Ex eb IIC T5 Gb	Ex eb IIC T5 Gb		
Gas explosion protection ATEX 2	Ex II 2 G Ex eb IIC T5 Gb	Ex II 2 G Ex eb IIC T5 Gb		
Dust explosion protection IECEx 2	Ex tb IIIC T90 °C Db	Ex tb IIIC T90 °C Db		
Dust Explosion Protection ATEX 2	Ex II 2 D Ex tb IIIC T90 °C Db	Ex II 2 D Ex tb IIIC T90 °C Db		
Certificates	ATEX (PTB), EAC (CCVE), IECEx (PTB)	ATEX (PTB), EAC (CCVE), IECEx (PTB)	ATEX (PTB), EAC (CCVE), IECEx (PTB)	ATEX (PTB), EAC (CCVE), IECEx (PTB)
Electrical Data				
Rated operational voltage AC	690 V	690 V	60 V	60 V
Max. rated operational current	16 A	16 A	10 A	10 A
Mechanical Data				
Degree of protection (IP)	IP66	IP66	IP66	IP66
Degree of protection note	according to IEC/EN 60529	according to IEC/EN 60529	according to IEC/EN 60529	according to IEC/EN 60529
Enclosure material	Polyester resin, Glass fibre reinforced	Polyester resin, Glass fibre reinforced	Polyester resin, Glass fibre reinforced	Polyester resin, Glass fibre reinforced