

8102/21-32-C995 Art. No. 132973



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

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 mm<sup>2</sup>.

### Technical Data

#### Explosion Protection

Scope of validity	IECEX European Union (ATEX)
Application range (zones)	1 2 21 22
IECEX gas certificate	IECEX PTB 15.0010
IECEX gas explosion protection	Ex eb IIC T6/T5 Gb
IECEX dust certificate	IECEX PTB 15.0010
IECEX dust explosion protection	Ex tb IIIC T80 °C ... T90 °C Db
ATEX gas certificate	PTB 01 ATEX 1136
ATEX gas explosion protection	⊕ II 2 G Ex eb IIC T6/T5 Gb
ATEX dust certificate	PTB 01 ATEX 1136
ATEX dust explosion protection	⊕ II 2 D Ex tb IIIC T80 °C ... T90 °C Db
Certificates	ATEX (PTB), EAC (CCVE), IECEX (PTB)

#### Electrical Data

Rated operational voltage AC	690 V (16 A) 690 V (25 A)
Rated operational current	16 A (T6) 25 A (T5)

#### Ambient Conditions

Ambient temperature	-40 °C ... +40 °C (T6) -40 °C ... +70 °C (T5)
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#### Mechanical Data

Degree of protection note	according to IEC/EN 60529
Degree of protection IP (IEC 60529)	IP66
Enclosure material	Polyester resin, Glass fibre reinforced
Silicone-free	No

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**Mechanical Data**

Clamping range max.	4 mm <sup>2</sup>						
Connection cross-section	4 mm <sup>2</sup>						
Cover	Screw-on cover						
Width	71 mm						
Width inches	2.8 in						
Height	161 mm						
Height inches	6.42 in						
Depth	45 mm						
Depth inches	1.77 in						
Enclosure colour	Dark grey						
Weight	0.2 kg						
Weight	0.44 lb						

**Mounting / Installation**

Tightening torque	1.4 Nm						
Tightening torque lbf in	12,4 lbf in						

**Components**

Entry 1	3 x 8161/7-M20-1307						
Entry 1 type	Polyamide cable gland						
Entry 1	M20 x 1.5						
Entry 1 clamping range	7 ... 13 mm						
Metal entry possible 1	No						
Type of terminals 1	5 x Sheath terminal 4 mm <sup>2</sup>						

