

**Features**

- Intrinsically safe (Ex ic)/non-incendive outputs
- Stainless steel, brushed NEMA 4x
- Configurable cable entries for trunk and spurs
- Packaged solution
- For FOUNDATION Fieldbus H1 and PROFIBUS PA
- Installation in Class I, Division 2

**Function**

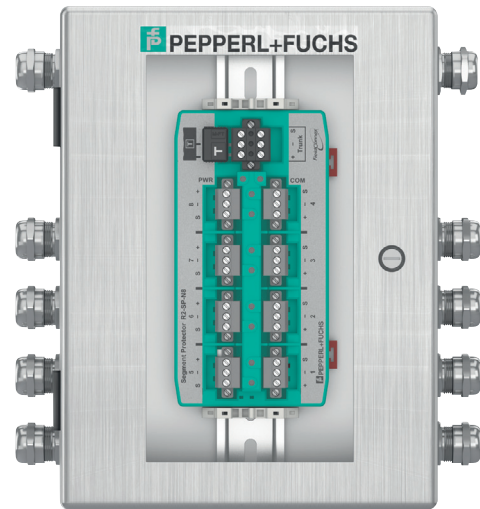
This Segment Protector Junction Box is a device coupler with FieldConnex® Segment Protectors for Zone 2/Div 2. Devices can be located in Zone 2/Div 2. The number of outputs and size can be selected.

Electropolished stainless steel 316L provides high corrosion and impact resistance at a very wide temperature range. The flanged collar around the door prevents standing water from damaging the one-piece seal. The optional window makes it easy to see the coupler's LEDs.

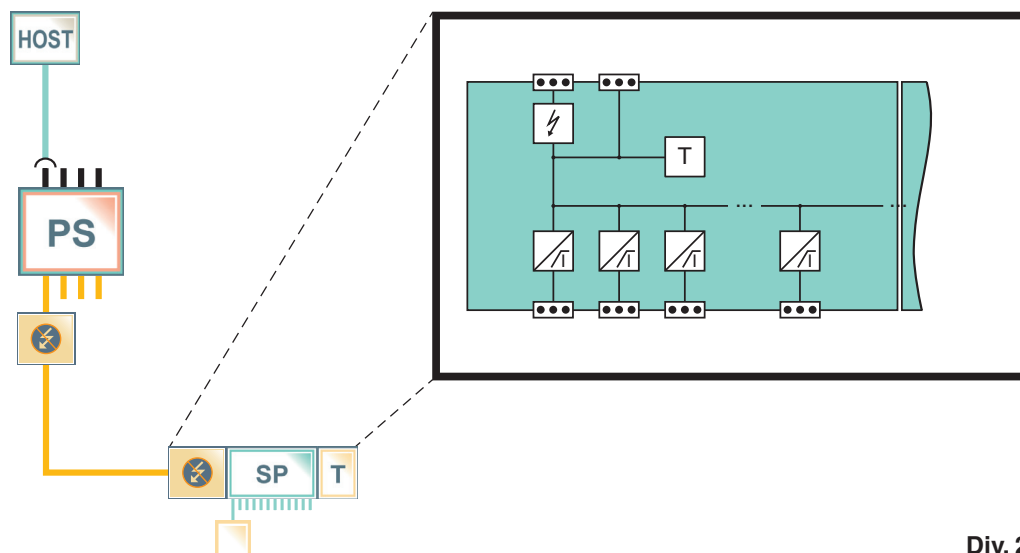
Trunk and spur entries can be selected individually from a range of cable glands and quick disconnects.

This junction box is available pre-wired, with all accessories, for fast ordering, delivery, site installation, and commissioning.

**Assembly**



**Connection**



Release date 2017-06-20 16:01 Date of issue 2017-06-20 t47944\_eng.xml

<b>General specifications</b>	
Design / Mounting	Outside installation
Installed components	Segment Protector R2-SP-IC* For technical data on installed electronic component see data sheet.
<b>Conformity</b>	
Degree of protection	EN 60529
<b>Ambient conditions</b>	
Ambient temperature	-40 ... 70 °C (-40 ... 158 °F)
Storage temperature	-40 ... 85 °C (-40 ... 185 °F)
Relative humidity	95 % , no moisture condensation
<b>Mechanical specifications</b>	
Enclosure cover	hinged door with cam lock
Degree of protection	IP66, NEMA 4, NEMA 4X, NEMA 12
Cable entry	cable gland and stopping plug options see separate table
<b>Material</b>	
Housing	stainless steel 1.4404 / AISI 316L
Surface	brushed finish
Seal	oil-resistant, one piece
Material thickness	enclosure body, enclosure cover: 1.6 mm window: 6 mm
Dimensions	(W x H x D) 203 x 254 x 102 mm window size: 197 x 95 mm
Mounting	thru-holes Ø6.4 mm
Grounding	grounding bolt on enclosure body and enclosure cover

### Connection type

Type	Cable gland			Plug connection		Conduit connection
	CGP	CGB	CGS	7/8S	M12S	1/2CB
<b>Mechanical specifications</b>						
Protection degree	IP67	IP67	IP67	IP67	IP67	IP67
Material	polyamide	nickel-plated brass	stainless steel	stainless steel	stainless steel	nickel-plated brass
Thread	M16	M16	M16	M16	M16	M16
Outer sheath (mm)	5 ... 10	5 ... 10	5 ... 10	7/8" thread	M12	½" NPT conduit
Cable						
Suitable for armored cable	no	no	no	no	no	no

**Type code/model number**

**Electronic type**

**SPJB** Enclosure solution for R2-SP-N\*\*

**Number of spurs**

- 4 4 spurs
- 6 6 spurs
- 8 8 spurs
- 10 10 spurs
- 12 12 spurs

**Enclosure material**

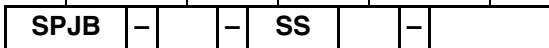
**SS** Stainless steel, brushed, IP66, NEMA 4, NEMA 4X, NEMA 12

**Window**

- No window
- W** With window

**Connection type**

- NF** No fitting
- CGP** Cable gland M16, polyamide
- CGB** Cable gland M16, nickel-plated brass
- CGS** Cable gland M16, stainless steel
- 7/8S** Plug connection M16, stainless steel, 7/8" thread
- M12S** Plug connection M16, stainless steel, M12 thread
- 1/2CB** Conduit connection M16, nickel-plated brass, 1/2" NPT conduit adapter



Predefined characters indicate pre-set attributes.