Features

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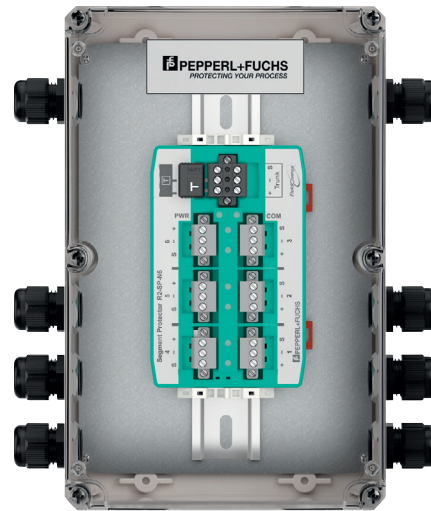
Function

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.

Impact-resistant polycarbonate provides corrosion resistance. It is light weight and easy to modify. The clear cover makes it easy to see the coupler's LEDs.
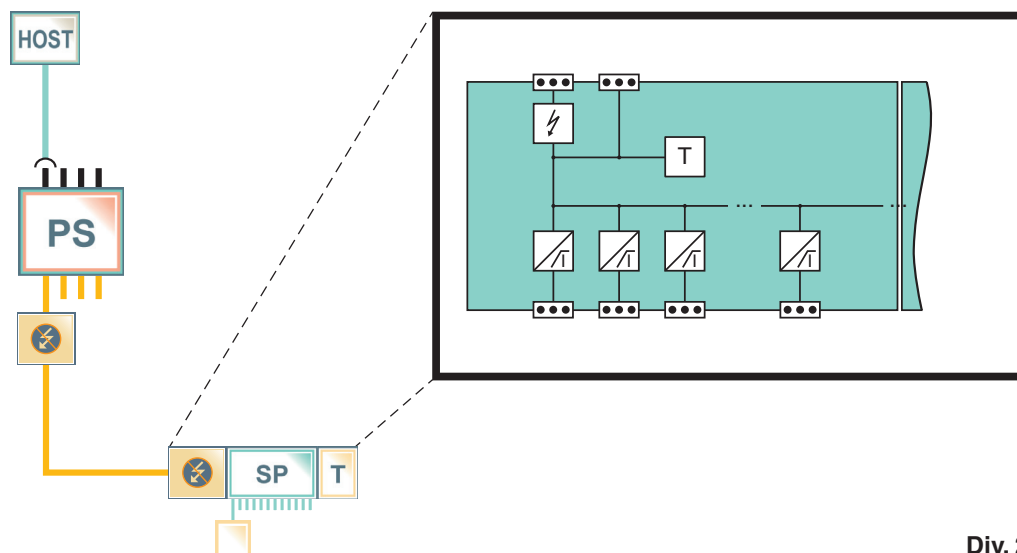
Trunk and spur entries can be selected individually from a range of cable glands and quick disconnects.

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

Assembly

Connection

Div. 2

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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1

General specifications	
Design / Mounting	Outside installation
Installed components	Segment Protector R2-SP-IC* For technical data on installed electronic component see data sheet.
Conformity	
Degree of protection	EN 60529
Ambient conditions	
Ambient temperature	-35 ... 70 °C (-31 ... 158 °F)
Storage temperature	-40 ... 85 °C (-40 ... 185 °F)
Relative humidity	95 % , no moisture condensation
Mechanical specifications	
Enclosure cover	detachable cover with retaining screws
Degree of protection	IP67, NEMA 4, NEMA 4X, NEMA 6, NEMA 12, NEMA 13
Cable entry	cable gland and stopping plug options see separate table
Material	
Housing	polycarbonate, impact resistant
Seal	Polyurethane (PUR) , one-piece
Material thickness	enclosure body: 4 mm enclosure cover: 3 mm
Dimensions	(W x H x D) 160 x 240 x 90 mm
Mounting	holes Ø4.5 mm

Connection type

Type	Cable gland			Plug connection		Conduit connection
	CGP	**CGB**	**CGS**	**7/8S**	**M12S**	**1/2CB**
Mechanical specifications						
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

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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2

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

PC   Polycarbonate, painted, IP67, NEMA 4, NEMA 4x, NEMA 6, NEMA 12, NEMA 13

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, ½" NPT conduit adapter
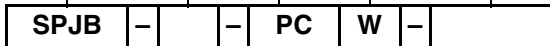
SPJB – – PC W –   Predefined characters indicate pre-set attributes.