

## swibox-RSE Housing for the rolling stock

### Product data RSE-F30W2- xxxxxx

**swibox-RSE** stainless steel enclosures are resistant standard enclosures made of stainless steel and have been specially developed for use in industrial and outdoor applications.

Water, dust, heat, cold, mechanical shocks - the **swibox-RSE-F30W2** enclosures are designed for such environmental conditions. The body is folded and seam-welded. The enclosures meet the fire resistance requirements of EN 45545-3 and provide a room seal with thermal insulation of up to EI30. They are ideally suited for use in vehicle construction. In addition, the enclosures meet the requirements for HL3 according to EN45545.

The **swibox-RSE-F30W2** enclosures have been tested in the system. This means they can be used with the cable entry system from **Roxtec** and the plug connections from **Phoenix Contact** without further testing.

### Technical data:

- Fire resistance EN45545-3: EI30
- Protection class: IP66
- Impact resistance: IK10
- Protective insulation: I
- Continuous operating temperature: max. +110°C
- Continuous operating temperature: min. -40°C
- Material cover: AISI 304 / AISI 316
- Housing material: AISI 304 / AISI 316
- Material seal: silicone
- Fire protection: intumescent with thermal insulation
- Body colour: 400 stainless steel pre-ground
- Closure: Stainless steel sash lock
- Fire test MPA Dresden P No. 20181118
- Fire test MPA Dresden P No. 20171213



### System components for RSE enclosures:

#### Roxtec

Sealing solutions for cables, pipes and conduits

Equipment manufacturers, plant constructors and end users all benefit from Roxtec cable and pipe seals. The space-saving Roxtec seals are easy to integrate and install. Feed pre-assembled cables of various sizes through each cut-out, assemble your cabinet or machine at the factory, and just add the finishing touches when delivered on site.



<https://www.roxtec.com/de/branchen/verarbeitende-industrie/schienenfahrzeuge/>

## Phoenix Contact

Wherever systems and products in rail vehicles must be supplied with power and signals and data must be distributed, components from Phoenix Contact are used. Our products feature reliability and safety. And they are suitable for installation in confined spaces.

### Heavy-duty connectors for gangway connections

The HEAVYCON HPR and ADVANCE housings are especially suitable for outdoor use on a rail vehicle. Featuring a robust design with IP68/IP69K degree of protection, they protect the built-in fixed-position or modular contact inserts. The connectors satisfy the stringent requirements of the railway industry. They provide a permanent and interference-free connection for electrical cables and data transmission, both inside and at the gangway connections.



### Molded M12 cables for rolling stock

The M12 RAIL series from Phoenix Contact comprises sensor/actuator cabling with A-coding, Ethernet and PROFINET cabling in a 4-pos. D-coded design, and X-coded cables for high data rates (10 Gbps). These materials satisfy the fire protection requirements of DIN EN 45545-2 and can therefore be used without problem in a rail vehicle.



<https://www.phoenixcontact.com/en-gb/industries/railway-engineering/rail-vehicles>

## Swibox

### RSE enclosures are tested according to railway-relevant standards.

The quality and safety of our products is important to us. Therefore, Swibox enclosures are tested in external and internal test laboratories according to railway-relevant standards. We have carried out many of these tests as system tests and can therefore integrate the products of our system partners with the enclosures. A wide range of standard enclosures enables us to offer you a cost-effective solution for many applications.

On request, our design department can pre-configure the enclosures with our system products so that you only need to install your components in the RSE enclosure.

## RSE-F30W2- Enclosure type

Artikelnummer:	Höhe mm:	Breite mm:	Tiefe mm:	Gewicht kg:
RSE-F30W2-018024015	180	240	150	
RSE-F30W2-024024015	240	240	150	
RSE-F30W2-024036015	240	360	150	
RSE-F30W2-030020015	300	200	150	
RSE-F30W2-036024015	360	240	150	
RSE-F30W2-040030015	400	300	150	
RSE-F30W2-040030021	400	300	210	
RSE-F30W2-040040021	400	400	210	
RSE-F30W2-040060021	400	600	210	
RSE-F30W2-050040021	500	400	210	
RSE-F30W2-060040021	600	400	210	
RSE-F30W2-060060021	600	600	210	
RSE-F30W2-060060030	600	600	300	
RSE-F30W2-060080030	600	800	300	
RSE-F30W2-080060021	800	600	210	
RSE-F30W2-080060030	800	600	300	
RSE-F30W2-080080030	800	800	300	
RSE-F30W2-100080030	1000	800	300	
RSE-F30W2-120080030	1200	800	300	
RSE-F30W2-120080040	1200	800	400	
RSE-F30W2-140080040	1400	800	400	