



Functional Supply Point (FSP)

Range Overview

Overview

A Functional Supply Point (FSP) is the equipment tasked with power distribution throughout the rail infrastructure. RSP's range of products cover all installation requirements - from a legacy changeover of a single piece of switchgear to a full FSP equipment housing, offering multiple power supplies and auto reconfiguration facility.

Range

RSP produce a range of FSP products in both class I and class II for use in signalling power distribution systems as defined in NR/L2/ELP/27410. The range conforms to NR/L2/SIGELP/27409 Issue 2.

RSP's FSP01/02 switchgear assemblies is suitable for single and dual end fed systems with manual reconfiguration. Available in both 240V and 650V configurations.

The FSP 03 can be installed within dual end fed, auto reconfiguration systems and can be installed with all approved ARS systems currently in the market place. Switching can be provided for 110V through to 650V installations, both ac and dc.

The FSP04 range is designed specifically for SIN119 solutions to replace legacy installations. Supporting this is the range of TC04 Terminal Chambers which can be used for cable termination to support the whole FSP range.

In House Manufacture And Testing

All our products are built at our manufacturing facilities in Plymouth. Our manufacturing and test staff have a wealth of experience in this field and also hold IRSE licences appropriate to their role. This gives our clients peace of mind that we will deliver a high standard of workmanship and quality which is then verified by our in house testing team, who carry out full 3A testing of each product.

Innovation

The RSP range offers a number of unique advantages to the industry and our customers. We can install up to four 1500VA transformers or up to four 10A T/J's within a single FSP. Alternatively we could provide an FSP that houses a 25Ah point battery system, inclusive of charger. Feeder cables up to 120mm² in both copper and aluminium can also be installed easily, using our sliding gland plates.

Support

All products come with a standard 12 month warranty with an option to extend if required and a minimum 35 year life expectancy. RSP has an experienced team on hand to provide ongoing support pre, during and after sales.



Contact us to order or get more info
















Call us on **01752 969321**

Alternately you can fill out *our online form*



Power Product Selector

Use the table below to find your ideal product

FSP Type	Distribution Topology		Architecture Configuration		Installation	
	Single End Fed	Dual End Fed	Manual	Auto	New	Legacy
FSP01						
FSP02						
FSP03						
FSP04						



FSP01 and 02

- Network Rail Product Acceptance Certificate PA05/07055 (Class I) and PA05/07053 (Class II).
- Compliant to NR/L2/SIGELP27409 Issue 2.
- All FSP01 and 02 products come fitted with RSP's unique removable and split-able gland plates.

	FSP Type 20 DLLF2S20	FSP Type 21 DLLF2S21	FSP Type 20 DLLF2P20-02	FSP Type 21 DLLF2P21-02	FSP Type 22 DLLF2P22-02
Class	I	I	II	II	II
Feeder Switches	2	2	2	2	2
Functional Supplies	2	3	2	3	3
Feeder Cable Size (Cu or Al)	16-120mm ²	16-120mm ²	16-120mm ²	16-120mm ²	16-120mm ²
Type of Fuses	BS88	BS88	IEC	IEC	IEC
Dimensions (mm)	W=498 H=346 D=259	W=498 H=346 D=259	W=506 H=400 D=233	W=506 H=400 D=233	W=506 H=400 D=233
Weight	18Kg	18Kg	13.5Kg	13.5Kg	13.5Kg
Railway Cat No.	092/000296	092/000297	054/213902	054/213903	054/213904
Additional Comments	Surge Arrestor Protection provided		Surge Arrestor Protection provided		Labelled for use in 240V systems.



FSP01/02 - Type 20 Class 1

FSP01/02 Switchgear Assembly - Type 20 Class 1

- ❑ Railway Cat No - 092/000296.
- ❑ RSP Part No. DLLF2S20.
- ❑ Class I Distribution Enclosure for 650V Signalling Systems.
- ❑ Surge Arrestor Protection provided.
- ❑ Robust stainless steel enclosure.

Key Features:

- ❑ Dedicated Ring Power IN and OUT Isolators.
- ❑ Compatible with Copper (Cu) or Aluminium (Al) 2c Feeder Cables up to 120mm².
- ❑ Easy cable installation with Magplate sliding split-able Gland Plate.
- ❑ Two Switched and Fused Output Functional Supplies.
- ❑ Functional Supply Fuse Carriers BS88.
- ❑ Compliant to Network Rail specification NR/L2/ELP/27409 Issue 2.
- ❑ Dimensions W=498mm x H=346mm x D=259mm.
- ❑ Weight = 18Kg.



Contact us to order or get more info

Call us on **01752 969321**

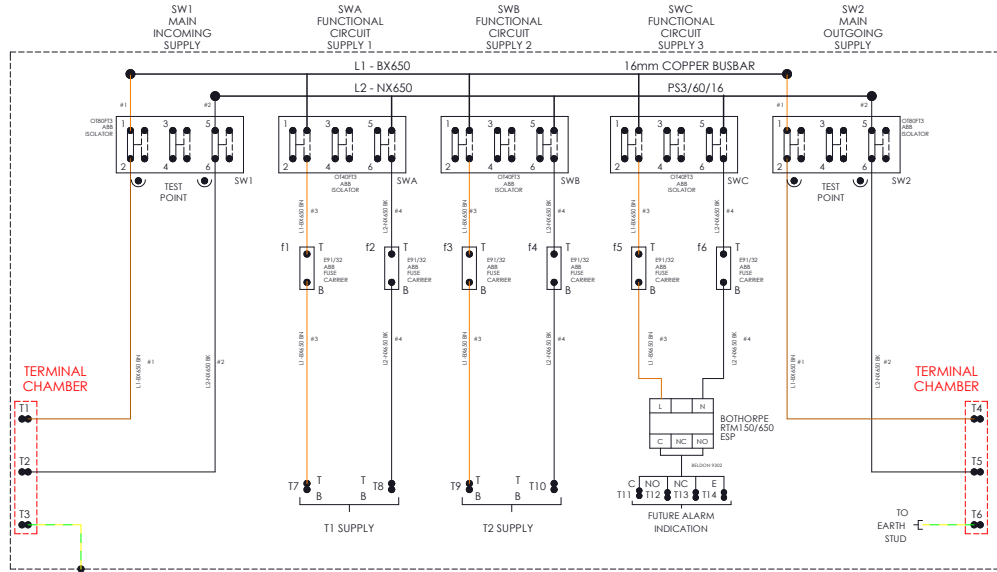
Alternately you can fill out *our online form*



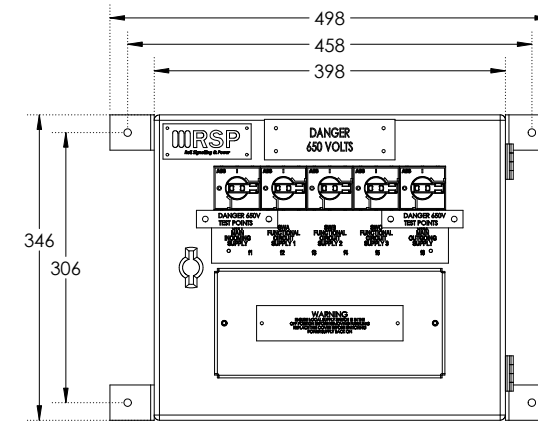
FSP01/02 - Type 20 Class 1

FSP02 Type 20SS

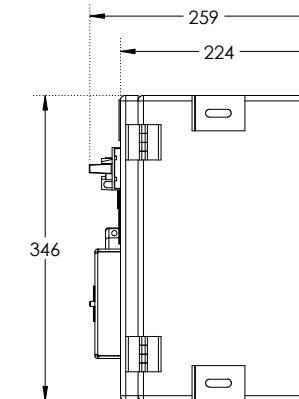
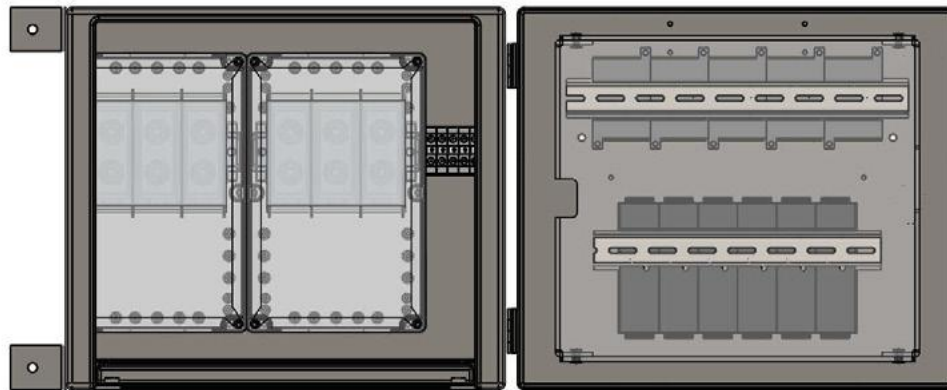
WIRING DIAGRAM



DIMENSIONING



INTERNAL VIEW





FSP01/02 - Type 21 Class 1

FSP01/02 Switchgear Assembly - Type 21 Class 1

- ❑ Railway Cat No. 092/000297.
- ❑ RSP Part No. DLLF2S21.
- ❑ Class I Distribution Enclosure for 650V Signalling Systems.
- ❑ Robust stainless steel enclosure.
- ❑ Surge Arrestor Protection provided.

Key Features:

- ❑ Dedicated Ring Power IN and OUT Isolators.
- ❑ Compatible with Copper (Cu) or Aluminium (Al) 2c Feeder Cables up to 120mm².
- ❑ Easy cable installation with Magplate sliding split-able Gland Plate.
- ❑ Three Switched & Fused Output Functional Supplies.
- ❑ Functional Supply Fuse Carriers BS88.
- ❑ Compliant to Network Rail specification NR/L2/ELP/27409 Issue 2.
- ❑ Dimensions W=498mm x H=346mm x D=259mm.
- ❑ Weight = 18Kg.



Contact us to order or get more info

Call us on **01752 969321**

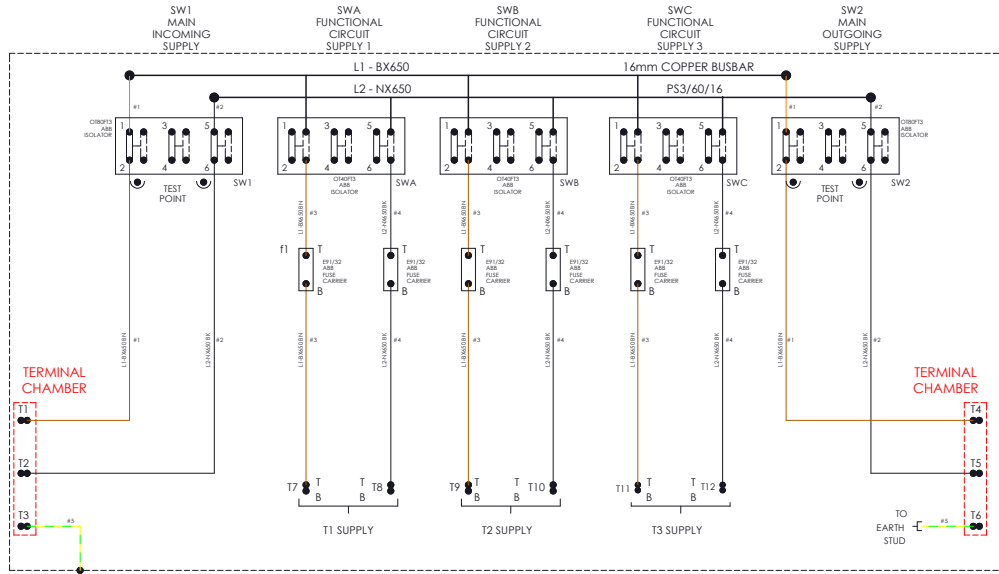
Alternately you can fill out *our online form*



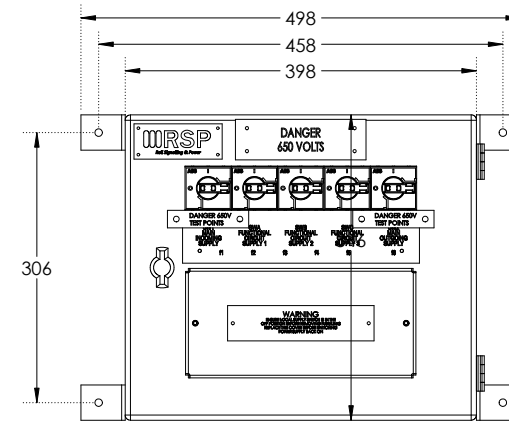
FSP01/02 - Type 21 Class 1

FSP02 Type 21SS

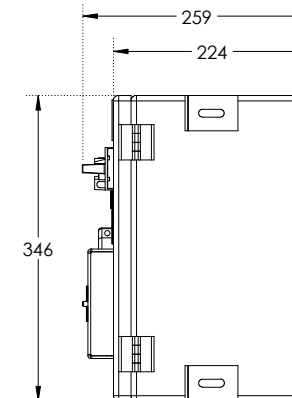
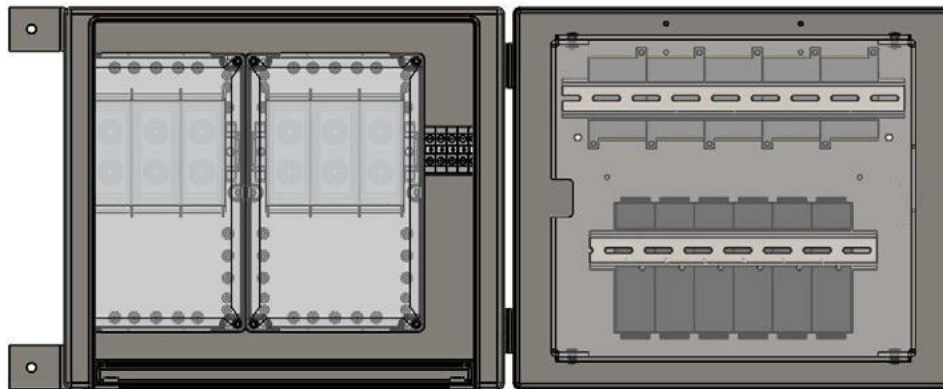
WIRING DIAGRAM



DIMENSIONING



INTERNAL VIEW



FSP01/02 - Type 20

FSP01/02 Switchgear Assembly - Type 20

- Railway Cat No. 054/213902.
- RSP Part No. DLLF2P20-02.
- Class II Distribution Enclosure for 650V Signalling Systems.
- Surge Arrestor Protection provided.

Key Features:

- Dedicated Ring Power IN and OUT Isolators.
- Compatible with Copper (Cu) or Aluminium (Al) 2c Feeder Cables up to 120mm².
- Easy cable installation with Magplate sliding split-able Gland Plate.
- Two Switched and Fused Output Functional Supplies.
- Functional Supply Fuse Carriers IEC60269 (ABB 10x38mm).
- Compliant to Network Rail specification NR/L2/ELP/27409 Issue 2.
- Dimensions W=506mm x H=400mm x D=233mm.
- Weight = 13.5Kg.



Contact us to order or get more info

Call us on **01752 969321**

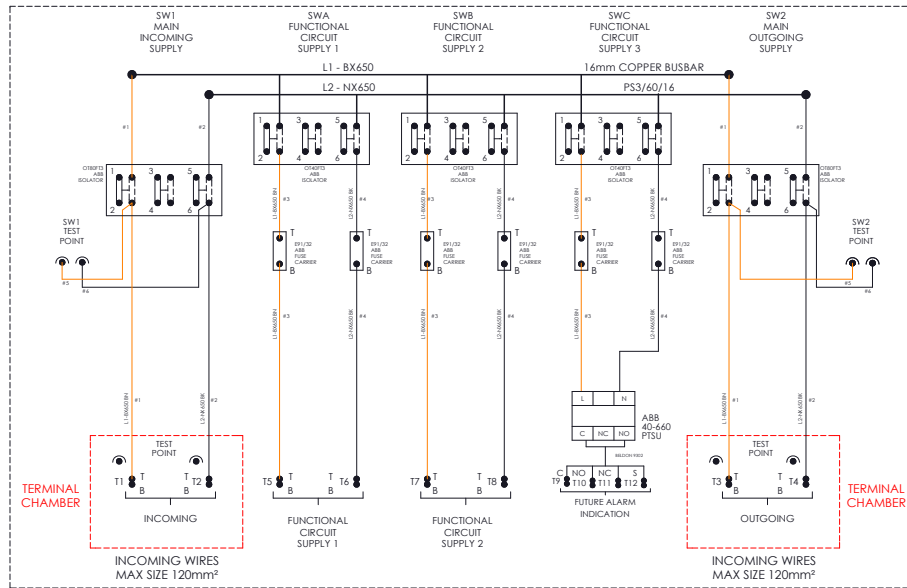
Alternately you can fill out *our online form*



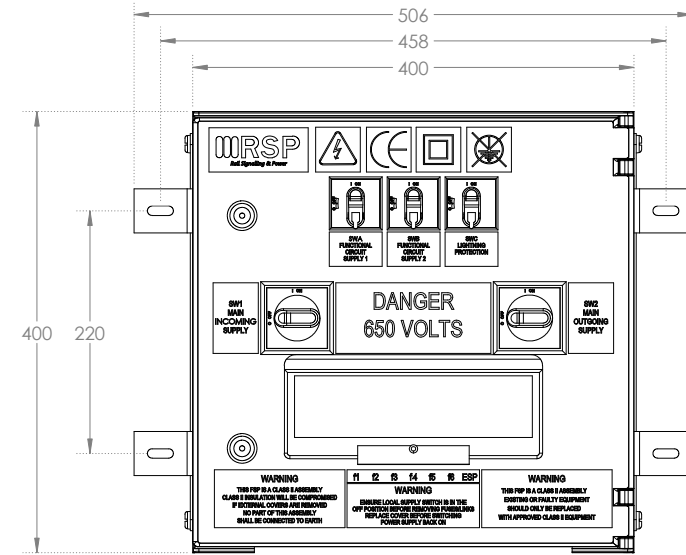
FSP01/02 - Type 20

FSP02 TYPE 20

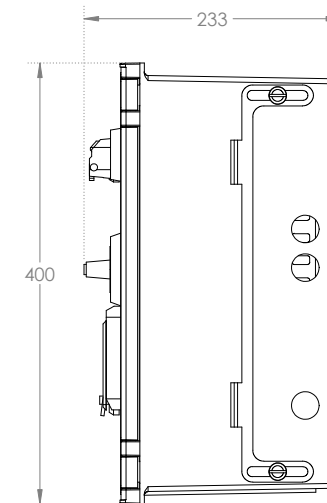
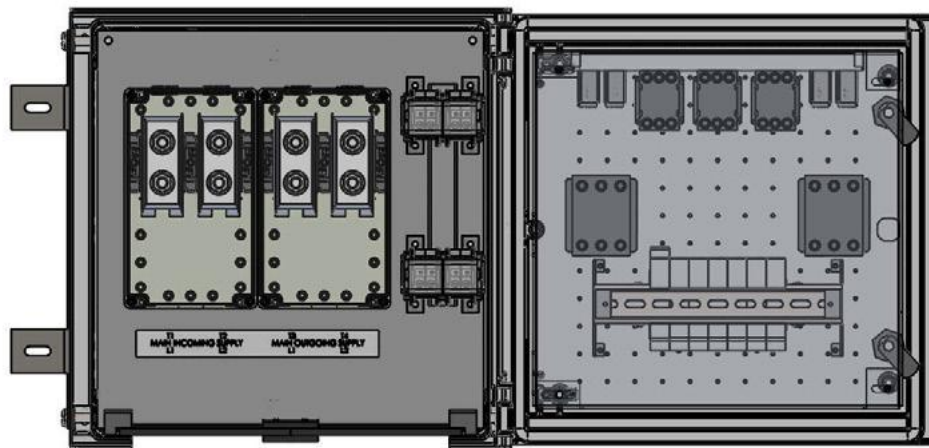
WIRING DIAGRAM



DIMENSIONING



INTERNAL VIEW



FSP01/02 - Type 21

FSP01/02 Switchgear Assembly - Type 21

- Railway Cat No. 054/213903.
- RSP Part No. DLLF2P21-02.
- Class II Distribution Enclosure for 650V Signalling Systems.

Key Features:

- Dedicated Ring Power IN and OUT Isolators.
- Compatible with Copper (Cu) or Aluminium (Al) 2c Feeder Cables up to 120mm².
- Easy cable installation with Magplate sliding split-able Gland Plate.
- Three Switched & Fused Output Functional Supplies.
- Functional Supply Fuse Carriers IEC60269 (ABB 10x38mm).
- Compliant to Network Rail specification NR/L2/ELP/27409 Issue 2.
- Dimensions W=506mm x H=400mm x D=233mm.
- Weight = 13.5Kg.



Contact us to order or get more info

Call us on **01752 969321**

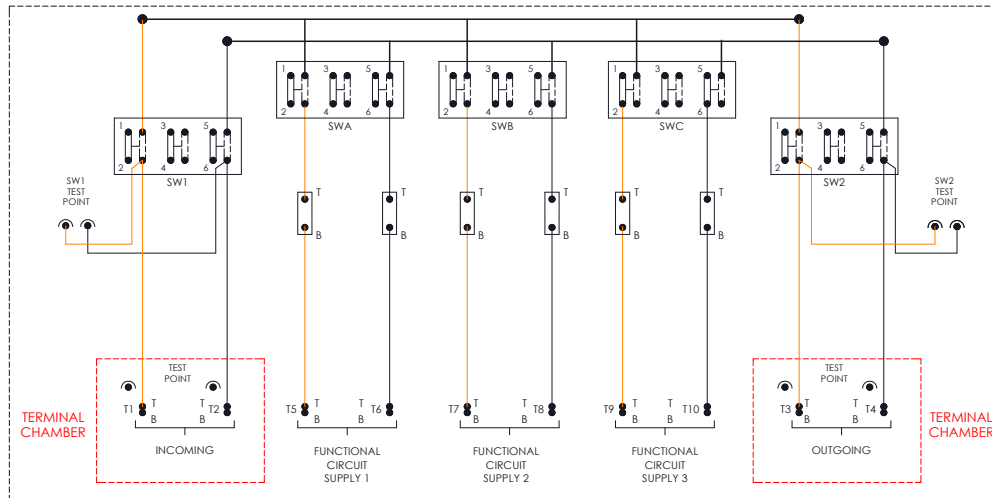
Alternately you can fill out *our online form*



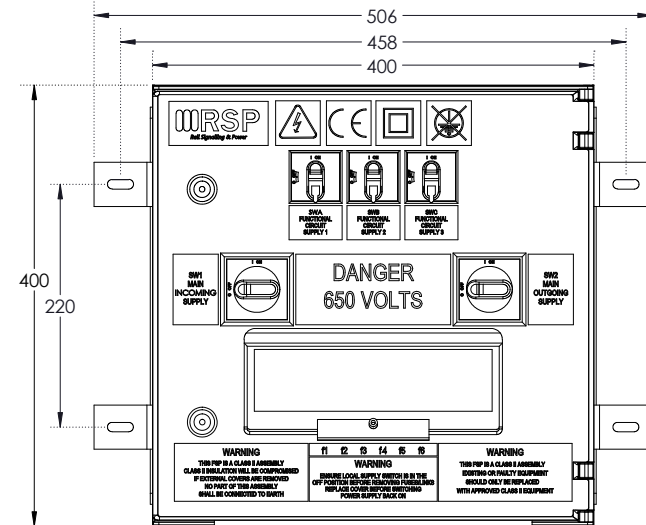
FSP01/02 - Type 21

FSP02 Type 21

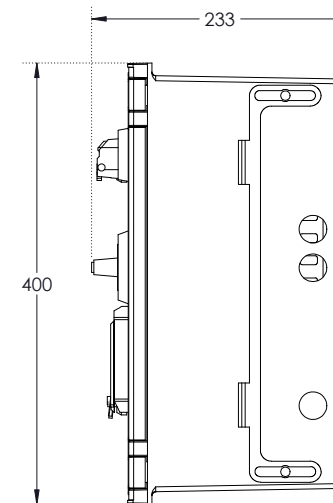
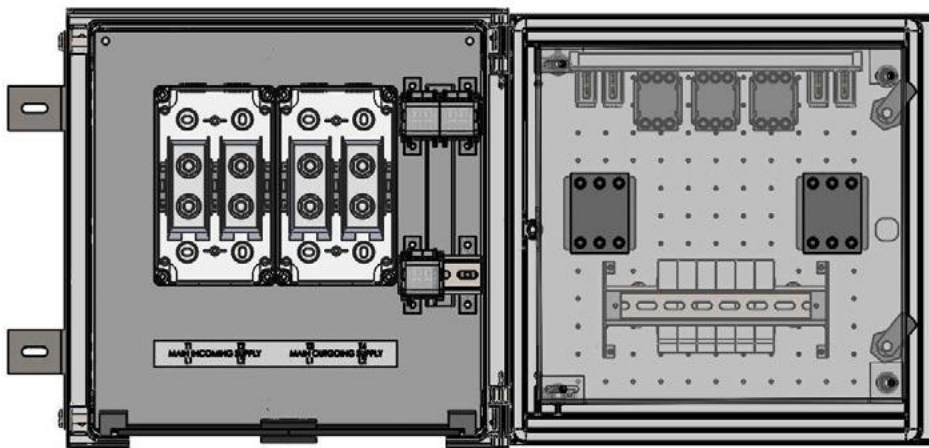
WIRING DIAGRAM



DIMENSIONING



INTERNAL VIEW



FSP01/02 - Type 22

FSP01/02 Switchgear Assembly - Type 22

- Railway Cat No. 054/213904.
- RSP Part No. DLLF2P22-02.
- Class II Distribution Enclosure for 650V Signalling Systems.
- Labelled for use in 240V systems.

Key Features:

- Dedicated Ring Power IN and OUT Isolators.
- Compatible with Copper (Cu) or Aluminium (Al) 2c Feeder Cables up to 120mm².
- Easy cable installation with Magplate sliding split-able Gland Plate.
- Three Switched & Fused Output Functional Supplies.
- Functional Supply Fuse Carriers IEC60269 (ABB 10x38mm).
- Compliant to Network Rail specification NR/L2/ELP/27409 Issue 2.
- Dimensions W=506mm x H=400mm x D=233mm.
- Weight = 13.5Kg.



Contact us to order or get more info

Call us on **01752 969321**

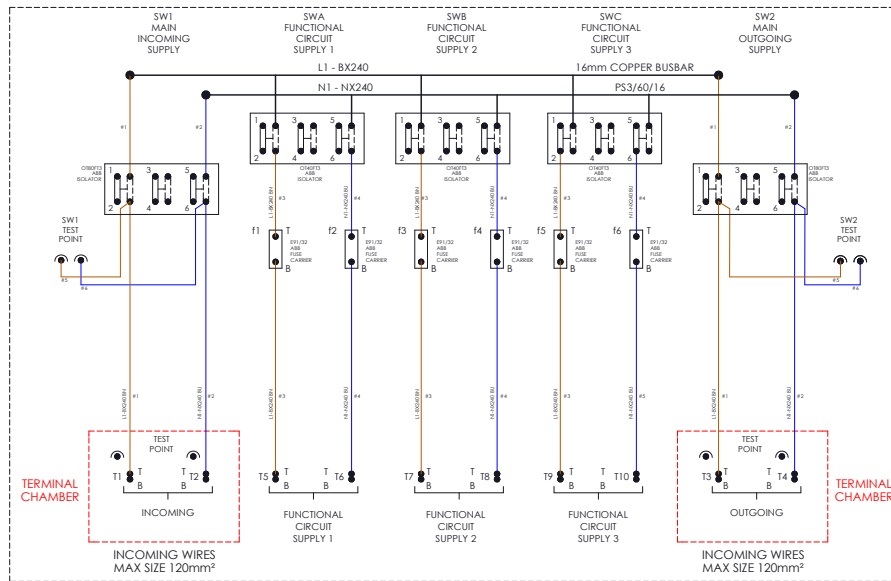
Alternately you can fill out *our online form*



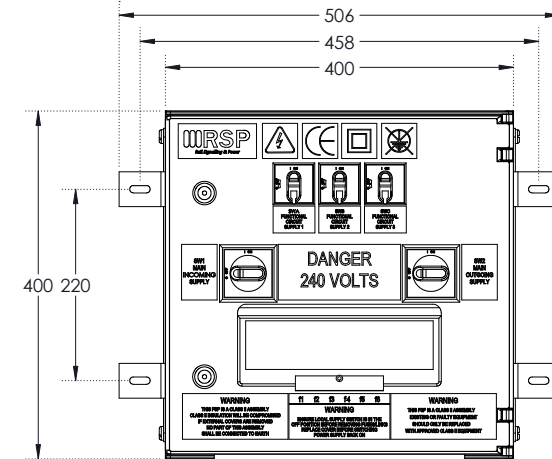
FSP01/02 - Type 22

FSP02 TYPE 22

WIRING DIAGRAM



DIMENSIONING



INTERNAL VIEW

