

TEST CERTIFICATE

Issued to: Schneider Electric Industries SAS
35, rue Joseph Monier
92500 Rueil Malmaison
France

For the product: Empty enclosure for low-voltage switchgear and controlgear assemblies

Trade name: Schneider Electric

Type/Model: SFN, SFNHD, SFPN

Ratings: IP55, IK10 (metal surfaces), IK08 (glass door), indoor / outdoor
For more details see annex

Manufactured by: Sarel Appareillage Electrique, SAS
(Schneider group)
52, route de Phalsbourg
BP106 - 67260 Sarre-Union Cedex
France

Subject: Type tests

Requirements: IEC 62208:2023 (ed. 3.0)
Clauses 9.3, 9.4, 9.5, 9.6, 9.8, 9.9, 9.10, 9.12, 9.13, 9.14, 9.15

Remarks: For details on production sites refer to annex.
Internal uprights of SFNP not included in the certification
Date of performance of tests: 2015, 2023 (see general notes on tests in the report)

This Test Certificate is granted on account of an examination by DEKRA, the results of which are laid down in report no. 2272666.01-INC, dated 8 January 2024.

The examination has been carried out on one single specimen of the product, submitted by the manufacturer. The Attestation does not include an assessment of the manufacturer's production. Conformity of his production with the specimen tested by DEKRA is not the responsibility of DEKRA.

Arnhem, 8 January 2024

Number: 2272666.100

DEKRA Certification B.V.



F.S. Strikwerda
Certification Manager

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Overview of product evaluation according to IEC 62208:

IEC 62208 Clause	Clause description	Tested ratings	Results
9.3	Marking		Pass
9.4	Static loads	Mounting plate mounted on backside: 300 kg/m², max. 612 kg Mounting plate mounted in the middle: 300 kg/m², max. 512 kg Plain door: 92 kg (each door in case of 2 doors) Lateral panels: 92 kg (each panel) Back panels: 92 kg (each panel in case of 2 panels) Roof: 88 kg Base frame (with rails): 464 kg Maximum static load = 1500 kg* * manufacturer's limit, tested values are higher	Pass
9.5	Lifting	Mounting plate mounted on backside: 300 kg/m², max. 612 kg Mounting plate mounted in the middle: 300 kg/m², max. 512 kg Plain door: 92 kg (each door in case of 2 doors) Lateral panels: 92 kg (each panel) Back panels: 92 kg (each panel in case of 2 panels) Roof: 88 kg Base frame (with rails): 320 kg Lifting with sling angle = 90° (with respect to the horizontal): Maximum weight (enclosure+load) = 1360 kg Lifting with sling angle = 60° (with respect to the horizontal): Maximum weight (enclosure+load) = 960 kg* (limited by the mechanical strength of standard eyebolts) Lifting with sling angle = 45° (with respect to the horizontal): Maximum weight (enclosure + load) = 710 kg* Lifting with sling angle = 60° (with respect to the horizontal): Maximum weight (enclosure+load) = 960 kg* (maximum for a set of 2 enclosures) (limited by the mechanical strength of standard eyebolts) * manufacturer's limit, tested values are higher	Pass
9.6	Mechanical operation	200 operations	Pass
9.8	Degree of protection against external mechanical impacts (IK code)	IK10 (metal surfaces) IK08 (glass door)	Pass
9.9	Degree of protection against access to hazardous parts and against ingress of solid objects and/or water (IP code)	IP55	Pass
9.10	Properties of insulating materials		
9.10.1	Thermal stability		Pass
9.10.2	Resistance to heat		Pass
9.10.3	Resistance to abnormal heat and fire	Insulating materials retaining current-carrying parts in position: 960 °C Other insulating materials: 650 °C	Pass
9.12	Continuity of the protective circuit	Resistance < 0,1 Ω	Pass
9.13	Resistance to ultra-violet (UV) radiation		Pass
9.14	Resistance to corrosion	Severity test A: internal metallic parts Severity test B: external metallic parts	Pass

9.15	Thermal power dissipation capability	Pass
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Product details NSYSFN:

Enclosure	Description
NSYSFN... (1 door) NSYSFN...2D (2 doors)	Metal floor-standing enclosure made from steel painted with texturised epoxy-polyester resin. Structure made of vertical uprights joined with top and bottom frames. Panels and doors built into the structure. Plain door without mounting plate. Locking system: 4 locking points system with handle 5 mm double-bar insert. Size: - 6 heights: 1200, 1400, 1600, 1800, 2000, 2200 mm - 7 widths: 300, 400, 600, 800, 1000 mm (1 door) and 800, 1000, 1200, 1600 mm (2 doors) - 4 depths: 400, 500, 600, 800 mm
NSYSFN...P NSYSFN...2DP	Same as NSYSFN ... with mounting plate.
NSYSFN...T	Same as NSYSFN ... with glazed door.

Product details NSYSFNHD:

Enclosure	Description
NSYSFNHD... (1 door) NSYSFNHD...2D (2 doors)	Metal floor-standing enclosure made from steel painted with texturised polyester resin. Structure made of vertical uprights joined with top and bottom frames. Panels and doors built into the structure. Supply with curved canopy, rear panel, handle with keylock (1242E type) and padlock, plastic document pocket, door retainer and aluminium gland plate. Plain door without mounting plate. Locking system: 4 locking points system with handle 5 mm double-bar insert. Size: - 5 heights: 1262, 1281, 1662, 1681, 2062 mm - 3 widths: 600, 800 mm (1 door) and 1200 mm (2 doors) - 2 depths: 430, 630 mm

Product details NSYSFPN:

Enclosure	Description
NSYSFPN...G	Same as NSYSFN ... with additional internal uprights Size: - 1 height: 2000 mm - 1 width: 700 mm - 3 depths: 500, 600, 800 mm Note: Internal uprights of SFPN not included in the certification
NSYSFPN...TG	Same as NSYSFPN ... with glazed door.
NSYSFPN...ED	Same as NSYSFPN ...G with RAL 9003 paint.
NSYSFPN...TED	Same as NSYSFPN ...TG with RAL 9003 paint.

Production sites:

Schneider Electric España, S.A.
C/Call, 64
08786 Capellades-Barcelona
Spain

Sarel Appareillage Electrique, SAS
(Schneider group)
52, route de Phalsbourg
BP106 - 67260 Sarre-Union Cedex
France

Schneider (Suzhou) Enclosure System Co Ltd
Suzhou Industrial Park, 118 Shen Hu Road Suzhou
Jiangsu 215123
China

Schneider Electric President Systems Ltd
5C/1 KIADB Industrial Area
Attibele
Bangalore Karnataka 562107
India

Schneider Electric Power Drives GmbH
Ruthnergasse 1
A-1210 Vienna
Austria

Schneider Electric Systems USA, Inc.
70 Mechanic ST
Foxboro MA 02035-2040
USA

Schneider Electric USA Inc
12345 SW Leveton Dr
Tualatin OR 97062
USA

Schneider Electric IT Business India Private Limited, FKA APC American Power Conversion
No 71 Doddathogure Village, Electronic City
Begur Hobli
Bangalore Karnataka 562106
India

Schneider Electric Xian factory for Power Drives
T2-XiAn-SEEE 2/F, No.26, Zhangba 8th Road
Xi'an China

Schneider Electric Alpes
Zone d'activités Alpespace, Voie Isaac Newton – Francin Porte de Savoie
France

Schneider Electric Power Drives
1990 Sandifer Blvd, Seneca
United States

Production sites (continued):

Schneider Electric GPSA (Ryhad)
2nd Industrial Area
11682 Riyadh
Saudi Arabia

Schneider Electric L&T Electrical and Automation Saudi Arabia Company Limited,
MH-4, Plot: 17+19, Industrial Area II,
31952 Damman
Saudi Arabia