

Declaration of Conformity

Reference number: SM6-24-20201020_01 (old SM6-24-20200912_01)

This declaration of conformity is established in accordance with ISO / IEC 17050-1

It strictly follows Schneider-Electric corporate rules regarding switchboard design, assembly, wiring, testing and quality control and is constantly trained and audited by our corporate design and quality department to ensure constant compliance with these rules.

No modification occurred on the products concerned since the issue date of the related test reports.

This document consists of 27 pages.

Grenoble (France), 2021-03-11

Validity period: 5 years

*Thomas Machizaud, Range
Technical Leader*



*Avra Poddar, Range Product
Manager*



*Bertrand Verpillot, Range Offer Quality
Leader*



Document validity period: 5 years

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Schneider Electric Industries SAS

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Legal information / Mentions légales
Société par actions simplifiée au capital de 896 313 776 euros
954 503 439 rcs Nanterre – code APE : 2712Z
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Declaration of Conformity

Reference number: SM6-24-20201020_01 (old SM6-24-20200912_01)

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Object designation: SM6 24kV Range

Subject: Compliance of performances regarding to IEC 62271-200

- Insulation level, Rated current, Short-time withstand and peak withstand current, Making and breaking, .../...

We undersigned, Thomas Machizaud, SM6 24kV Range Technical Leader, Avra Poddar, Range Product Manager, and Bertrand Verpillot Range Offer Quality, hereby declare that the SM6 24kV Range is tested according to the IEC 62271-200 standard.

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CVM 7,2kV 400A 6,3kA	21
GAM 24kV 630A 25kA	22
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IM-IMB 24KV 630A 25KA		
Specified requirements	Scope of the Declaration	References of Conformity activity assessment results
Insulation level	Common value: 50kV-1min at power frequency 125kV peak 1.2/ 50µs	TFR_201700825_012
Temperature rise at rated current	Main Circuit 630A	TFR_201700825_034
Short-time withstand current and peak withstand current on earth	Ik = 25 kA, tk = 1s Ip = 62,5kA peak	51168380XB TN / AR-MV_2010-01
Short-time withstand current and peak withstand current on main circuit	Ik = 25 kA, tk = 1s Ip = 62,5kA peak	TFR_201006034_002
Short circuit Making capacity switch	Mainly active load current Test-duty TDma – Class E3	TFR_201700825_002
Short circuit Making capacity earthing switch	20 kA - 52 kA peak - 24 kV Class E2	TFR_201700825_066 & 068
Short circuit Making capacity earthing switch	2C2 at 52 kA peak 50Hz Class E1	TFR_201700825_040
Electrical continuity of earthed metallic parts test	On 30A dc < DU 3 V	TFR_201700825_038
Internal Arc	12,5 kAx1s AFL In the cables compartment	A20040226a
	12,5 kAx1s AFL In the busbar compartment-	TFR_200903584_001
	12,5 kAx1s AFLR In the cables compartment- With bottom exhaust configuration	TN / SM6-24/201603/002 (TFR_201504464_011)
	12,5 kAx1s AFLR In the busbar compartment- With bottom exhaust configuration	TN / SM6-24/201603/004 (TFR_201504464_012)
	16 kAx1s AFL and AFLR In the cables compartment- With bottom exhaust configuration	TN / SM6-24/201603/001 (TFR_201504464_007)
	16 kAx1s AFL and AFLR In the busbar compartment- With bottom exhaust configuration	TN / SM6-24/201603/004 (TFR_201504464_012)
	16 kAx1s AFL and AFLR In the cables compartment- With top exhaust configuration	TN / SM6-24/201603/001 (TFR_201504464_007)
	16 kAx1s AFL and AFLR In the busbar compartment- With top exhaust configuration	TN / SM6-24/201603/003 (TFR_201504464_008)
	20 kAx1s AFL and AFLR In the cables compartment- With top exhaust configuration	TFR_201504464_007
	20 kAx1s AFL and AFLR In the busbar compartment- With top exhaust configuration	TN / SM6-24/201603/003 (TFR_201504464_008)
Tests on auxiliary and control circuits	Dielectric: 2kV, 1 min	TFR_201700825_038
	Functional tests at rated, minimum and maximum values of the power supply (IEC 62271-103, § 6.10.2)	TFR_201707001_005
Protection Index (IP)	IP3X (Units in switchboard)	TFR_201707001_001
Protection Index – mechanical Impact (IK)	IK08	TFR_201707001_003

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IMC 24KV 630A 25KA		
Specified Requirements	Scope of the Declaration	Reference of Conformity activity assessment results
Insulation level	Common value: 50kV-1min at power frequency 125kV peak 1.2/ 50µs	TFR_201006034_001
Temperature rise at rated current	Main Circuit 630A	AAA2575700
Short-time withstand current and peak withstand current	$I_k = 25 \text{ kA}$, $t_k = 1 \text{ s}$ $I_p = 62,5 \text{ kA}$ peak	TFR_201006034_002 TN / AR-MV_2010-01
Making capacity	Mainly active load current Test-duty TDma – Class E3	TFR_201700825_002
Internal arc	12,5 kA-1 s AFL Cables or Transformers Compartment	TN / SM6-24/201602/020 (TFR_201504464_002)
	12,5 kA-1 s AFL Busbars Compartment	TN / SM6-24/201602/019 (TFR_200903584_001)
	12,5 kA-1 s AFLR Cables Compartment - Bottom Exhaust	TN / SM6-24/201603/001 (TFR_201504464_007)
	12,5 kA-1 s AFLR Busbars Compartment - Bottom Exhaust	TN / SM6-24/201603/004 (TFR_201504464_012)
	16 kAx1s AFL and AFLR In the cable compartment- With bottom exhaust configuration	TN / SM6-24/201603/001 (TFR_201504464_007)
	16 kA-1 s AFL and AFLR Busbars Compartment - Bottom Exhaust	TN / SM6-24/201603/004 (TFR_201504464_012)
	16 kAx1s AFL and AFLR In the cables compartment- With top exhaust configuration	TN / SM6-24/201603/001 (TFR_201504464_007)
	16 kA-1 s AFL and AFLR Busbars Compartment - Top Exhaust	TN / SM6-24/201603/003 (TFR_201504464_008)
	20 kA-1 s AFL and AFLR Cables Compartment - Top Exhaust	TN / SM6-24/201603/001 (TFR_201504464_007)
	20 kAx1s AFL and AFLR In the busbar compartment- With top exhaust configuration	TN / SM6-24/201603/003 (TFR_201504464_008)

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IMM 24KV 630A 25KA		
Specified Requirements	Scope of the Declaration	Reference of Conformity activity assessment results
Insulation level	Common value: 50kV-1min at power frequency 125kV peak 1.2/ 50µs	TFR_201506632_001
Temperature rise at rated current	Main Circuit 630A	TFR_201506634_001
Short-time withstand current and peak withstand current	$I_k = 25 \text{ kA}$, $t_k = 1 \text{ s}$ $I_p = 65 \text{ kA peak}$	TFR_201506635_001
Internal arc	12,5 kA-1 s AFL Cables/ Transformers Compartment	TN / SM6-24/201702/001 (TFR_201504464_002)
	12,5 kA-1 s AFL Busbars Compartment	TN / SM6-24/201702/002 (TFR_200903584_001)
	12,5 kA-1 s AFLR Cables Compartment - Bottom Exhaust	TN / SM6-24/201603/001 (TFR_201504464_007)
	12,5 kA-1 s AFLR Busbars Compartment - Bottom Exhaust	TN / SM6-24/201603/004 (TFR_201504464_012)
	16 kA-1 s AFL and AFLR Cables Compartment - Bottom Exhaust	TN / SM6-24/201603/001 (TFR_201504464_007)
	16 kA-1 s AFL and AFLR Busbars Compartment - Bottom Exhaust	TN / SM6-24/201603/004 (TFR_201504464_012)
	16 kA-1 s AFL and AFLR Cables Compartment - Top Exhaust	TN / SM6-24/201603/001 (TFR_201504464_007)
	16 kA-1 s AFL and AFLR Busbars Compartment - Top Exhaust	TN / SM6-24/201603/003 (TFR_201504464_008)
	20 kA-1 s AFL and AFLR Cables Compartment - Top Exhaust	TN / SM6-24/201603/001 (TFR_201504464_007)
	20 kA-1 s AFL and AFLR Busbars Compartment - Top Exhaust	TN / SM6-24/201603/003 (TFR_201504464_008)

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QM 24KV 200A 25KA		
Specified Requirements	Scope of the Declaration	Reference of Conformity activity assessment results
Insulation level	Common value: 50kV-1min at power frequency 125kV peak 1.2/ 50µs	TFR_201700825_016
Temperature rise at rated current	Main Circuit 200A	TFR_200902405_004
Short-time withstand current and peak withstand current	- 2 kA - 1 s and 5.2 kA crête – three phases (downstream earthing switch)	51249699XB
	-20ka-1s (24kv) and 50ka peak main circuit. three phases	51249281XA
	-25ka-1s (12kv) and 62.5ka peak main circuit three phases	51249284XA
Transfert current	Rated transition current Test-duty N° 4a	51168390XB
Internal arc	12,5 kAx1s A-FL In the fuses cables compartment	TN / SM6-24/201602/017 (20040226a)
	12,5 kAx1s A-FL In the busbar compartment-	TN / SM6-24/201602/018 (TFR_200903584_001)
	12,5 kA-1 s AFLR Cables Compartment - Bottom Exhaust	TN / SM6-24/201603/001 (TFR_201504464_007)
	12,5 kA-1 s AFLR Busbars Compartment - Bottom Exhaust	TN / SM6-24/201603/004 (TFR_201504464_012)
	16 kA-1 s AFL and AFLR Cables Compartment - Bottom Exhaust	TN / SM6-24/201603/001 (TFR_201504464_007)
	16 kA-1 s AFL and AFLR Busbars Compartment - Bottom Exhaust	TN / SM6-24/201603/004 (TFR_201504464_012)
	16 kA-1 s AFL and AFLR Cables Compartment - Top Exhaust	TN / SM6-24/201603/001 (TFR_201504464_007)
	16 kA-1 s AFL and AFLR Busbars Compartment - Top Exhaust	TN / SM6-24/201603/003 (TFR_201504464_008)
	20 kAx1s AFL and AFLR In the cables compartment- With top exhaust configuration	TN / SM6-24/201603/001 (TFR_201504464_007)
	20 kAx1s AFL and AFLR In the busbar compartment- With top exhaust configuration	TN / SM6-24/201603/003 (TFR_201504464_008)
Making capacity on the Earthing Switch	Class E2 – at 2kA on the Earthing Switch	TFR_201700825_049

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QMC 24KV 200A 25KA		
Specified Requirements	Scope of the Declaration	Reference of Conformity activity assessment results
Insulation level	Common value: 50kV-1min at power frequency 125kV peak 1.2/ 50µs	51238848XB
Temperature rise at rated current	200A	TN / SM6-24-20200916-01 (TFR_200902405_004)
Short-time withstand current and peak withstand current on busbar	Ik = 25 kA, tk = 1s Ip = 62,5kA peak	51168349XB
Internal arc	12,5 kAx1s A-FL In the fuses cables compartment	TN / SM6-24/20200928/001 (20040226a)
	12,5 kAx1s A-FL In the busbar compartment-	TN / SM6-24/20200928/002 (TFR_200903584_001)
	12,5 kA-1 s AFLR Cables Compartment - Bottom Exhaust	TN / SM6-24/20200928/003 (TFR_201504464_007)
	12,5 kA-1 s AFLR Busbars Compartment - Bottom Exhaust	TN / SM6-24/20200928/004 (TFR_201504464_012)
	16 kA-1 s AFL and AFLR Cables Compartment - Bottom Exhaust	TN / SM6-24/20200928/003 (TFR_201504464_007)
	16 kA-1 s AFL and AFLR Busbars Compartment - Bottom Exhaust	TN / SM6-24/20200928/004 (TFR_201504464_012)
	16 kA-1 s AFL and AFLR Cables Compartment - Top Exhaust	TN / SM6-24/20200928/003 (TFR_201504464_007)
	16 kA-1 s AFL and AFLR Busbars Compartment - Top Exhaust	TN / SM6-24/20200928/005 (TFR_201504464_008)
	20 kAx1s AFL and AFLR In the cables compartment- With top exhaust configuration	TN / SM6-24/20200928/003 (TFR_201504464_007)
	20 kAx1s AFL and AFLR In the busbar compartment- With top exhaust configuration	TN / SM6-24/20200928/005 (TFR_201504464_008)

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PM 24KV 200A 25KA		
Specified Requirements	Scope of the Declaration	Reference of Conformity activity assessment results
Insulation level	Common value: 50kV-1min at power frequency 125kV peak 1.2/ 50µs	TFR_201700825_016
Temperature rise at rated current	Main Circuit 200A	AAA2575700
Short-time withstand current and peak withstand current	$I_k = 25 \text{ kA}$, $t_k = 1 \text{ s}$ $I_p = 62,5 \text{ kA peak}$	TN/ AR-MV_2010-01
Internal arc	12,5 kA-1 s AFL Fuses Cables Compartment	TN / SM6-24/201602/017 (20040226a)
	12,5 kA-1 s AFL Busbars Compartment	TN / SM6-24/201602/018 (TFR_200903584_001)
	12,5 kA-1 s AFLR Cables Compartment - Bottom Exhaust	TN / SM6-24/201603/001 (TFR_201504464_007)
	12,5 kA-1 s AFLR Busbars Compartment - Bottom Exhaust	TN / SM6-24/201603/004 (TFR_201504464_012)
	16 kA-1 s AFL and AFLR Cables Compartment - Bottom Exhaust	TN / SM6-24/201603/001 (TFR_201504464_007)
	16 kA-1 s AFL and AFLR Busbars Compartment - Bottom Exhaust	TN / SM6-24/201603/004 (TFR_201504464_012)
	16 kAx1s AFL and AFLR In the cables compartment- With top exhaust configuration	TN / SM6-24/201603/001 (TFR_201504464_007)
	16 kAx1s AFL and AFLR In the busbar compartment- With top exhaust configuration	TN / SM6-24/201603/003 (TFR_201504464_008)
	20 kAx1s AFL and AFLR In the cables compartment- With top exhaust configuration	TN / SM6-24/201603/001 (TFR_201504464_007)
	20 kAx1s AFL and AFLR In the busbar compartment- With top exhaust configuration	TN / SM6-24/201603/003 (TFR_201504464_008)

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CM 24KV 50A 25KA		
Specified Requirements	Scope of the Declaration	Reference of Conformity activity assessment results
Insulation level	Common value: 50kV-1min at power frequency 125kV peak 1.2/ 50µs	51165247EA
Temperature rise at rated current	Main Circuit 50A	51249136XA
Short-time withstand current and peak withstand current	$I_k = 25 \text{ kA}$, $t_k = 1 \text{ s}$ $I_p = 62,5 \text{ kA}$ peak	TN / AR-MV_2010-01
Internal arc	12,5 kA-1 s AFL Cables or Transformers Compartment	TN / SM6-24/201602/003 (20040226a)
	12,5 kA-1 s AFL Busbars Compartment	TN / SM6-24/201602/005 (TFR_200903584_001)
	12,5 kA-1 s AFLR Cables Compartment - Bottom Exhaust	TN / SM6-24/201603/001 (TFR_201504464_007)
	12,5 kA-1 s AFLR Busbars Compartment - Bottom Exhaust	TN / SM6-24/201603/004 (TFR_201504464_012)
	16 kA-1 s AFL and AFLR Cables Compartment - Bottom Exhaust	TN / SM6-24/201603/001 (TFR_201504464_007)
	16 kA-1 s AFL and AFLR Busbars Compartment - Bottom Exhaust	TN / SM6-24/201603/004 (TFR_201504464_012)
	16 kAx1s AFL and AFLR In the cables compartment- With top exhaust configuration	TN / SM6-24/201603/001 (TFR_201504464_007)
	16 kAx1s AFL and AFLR In the busbar compartment- With top exhaust configuration	TN / SM6-24/201603/003 (TFR_201504464_008)
	20 kAx1s AFL and AFLR In the cables compartment- With top exhaust configuration	TN / SM6-24/201603/001 (TFR_201504464_007)
	20 kAx1s AFL and AFLR In the busbar compartment- With top exhaust configuration	TN / SM6-24/201603/003 (TFR_201504464_008)

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CM2 24KV 50A 25KA		
Specified Requirements	Scope of the Declaration	Reference of Conformity activity assessment results
Insulation level	Common value: 50kV-1min at power frequency 125kV peak 1.2/ 50µs	TFR_201204942_001
Temperature rise at rated current	Main Circuit 50A	51249136XA TN / SM6-24-20200929-001
Short-time withstand current and peak withstand current	$I_k = 25 \text{ kA}$, $t_k = 1 \text{ s}$ $I_p = 62,5 \text{ kA}$ peak	TN / AR-MV_2010-01
Internal arc	12,5 kA-1 s AFLR Cables Compartment - Bottom Exhaust	TN / SM6-24/201603/001 (TFR_201504464_007)
	12,5 kA-1 s AFLR Busbars Compartment - Bottom Exhaust	TN / SM6-24/201603/004 (TFR_201504464_012)
	16 kA-1 s AFL and AFLR Cables Compartment - Bottom Exhaust	TN / SM6-24/201603/001 (TFR_201504464_007)
	16 kA-1 s AFL and AFLR Cables Compartment - Bottom Exhaust	TN / SM6-24/201603/004 (TFR_201504464_012)
	16 kA-1 s AFL and AFLR Cables Compartment - Top Exhaust	TN / SM6-24/201603/001 (TFR_201504464_007)
	16 kA-1 s AFL and AFLR Busbars Compartment - Top Exhaust	TN / SM6-24/201603/003 (TFR_201504464_008)
	20 kA-1 s AFL and AFLR Cables Compartment - Top Exhaust	TN / SM6-24/201603/001 (TFR_201504464_007)
	20kA 1s AFL and AFLR In the cable, busbar compartment -top exhaust	TN / SM6-24/201603/003 (TFR_201504464_008)

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Declaration of Conformity

Reference number: SM6-24-20201020_01 (old SM6-24-20200912_01)

This declaration of conformity is established in accordance with ISO / IEC 17050-1

DM2 24KV 630A 25KA		
Specified Requirements	Scope of the Declaration	Reference of Conformity activity assessment results
Insulation level	Common value: 50kV-1min at power frequency 125kV peak 1.2/ 50µs	TFR_201700825_013
Temperature rise at rated current	630A	5123888XA
Short-time withstand current and peak withstand current (12kv)	25 kA - 1 s – 62.5 kA crête	51168353XB
Internal arc	12,5 kA-1 s AFL Cables or Transformers Compartment	TN / SM6-24/201602/013 (TFR_201504464_002)
	12,5 kA-1 s AFL Busbars Compartment	TN / SM6-24/201602/012 (TFR_200903584_001)
	12,5 kA-1 s AFLR Cables Compartment - Bottom Exhaust	TN / SM6-24/201603/001 (TFR_201504464_007)
	12,5 kA-1 s AFLR Busbars Compartment - Bottom Exhaust	TN / SM6-24/201603/004 (TFR_201504464_012)
	16 kA-1 s AFL and AFLR Cables Compartment - Bottom Exhaust	TN / SM6-24/201603/001 (TFR_201504464_007)
	16 kA-1 s AFL and AFLR Busbars Compartment - Bottom Exhaust	TN / SM6-24/201603/004 (TFR_201504464_012)
	16 kA-1 s AFL and AFLR Cables Compartment - Top Exhaust	TN / SM6-24/201603/001 (TFR_201504464_007)
	16 kA-1 s AFL and AFLR Busbars Compartment - Top Exhaust	TN / SM6-24/201603/003 (TFR_201504464_008)
	20 kA-1 s AFL and AFLR Cables Compartment - Top Exhaust	TN / SM6-24/201603/001 (TFR_201504464_007)
	20 kA-1 s AFL and AFLR Busbars Compartment - Top Exhaust	TN / SM6-24/201603/003 (TFR_201504464_008)

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Declaration of Conformity

Reference number: SM6-24-20201020_01 (old SM6-24-20200912_01)

This declaration of conformity is established in accordance with ISO / IEC 17050-1

DM1-A 24KV 630A 25KA		
Specified Requirements	Scope of the Declaration	Reference of Conformity activity assessment results
Insulation level	Common value: 50kV-1min at power frequency 125kV peak 1.2/ 50µs	TFR_201700825_058
Temperature rise at rated current	630A	51253674EC
Short-time withstand current and peak withstand current	- 2 kA - 1 s and 5.2 kA crête – three phases (downstream earthing switch)	51249052XA
	-20ka-1s (24kv) and 50ka peak main circuit. three phases	51249739XB
	-25ka-1s (12kv) and 62.5ka peak main circuit three phases	51249736XB
Internal arc	12,5 kA-1 s AFL Cables or Transformers Compartment	TFR_201504464_009
	12,5 kA-1 s AFL Busbars Compartment	TN / SM6-24/201602/019 (TFR_200903584_001)
	12,5 kA-1 s AFLR Cables Compartment - Bottom Exhaust	TN / SM6-24/201603/001 (TFR_201504464_007)
	12,5 kA-1 s AFLR Busbars Compartment - Bottom Exhaust	TN / SM6-24/201603/004 (TFR_201504464_012)
	16 kA-1 s AFL and AFLR Cables Compartment - Bottom Exhaust	TN / SM6-24/201603/001 (TFR_201504464_007)
	16 kA-1 s AFL and AFLR Busbars Compartment - Bottom Exhaust	TFR_201504464_012
	16 kA-1 s AFL and AFLR Cables Compartment - Top Exhaust	TN / SM6-24/201603/001 (TFR_201504464_007)
	16 kA-1 s AFL and AFLR Busbars Compartment - Top Exhaust	TN / SM6-24/201603/003 (TFR_201504464_008)
	20 kA-1 s AFL and AFLR Cables Compartment - Top Exhaust	TN / SM6-24/201603/001 (TFR_201504464_007)
Tests on auxiliary and control circuits	Dielectric: 2kV, 1 min	TFR_201700825_039
	Functional tests at rated, minimum and maximum values of the power supply (IEC 62271-103, § 6.10.2)	TFR_201707001_006 (applicable)
Making capacity on the Earthing Switch	Class E2 – 5C at 2kA (5.2kA peak) 24kV – 50Hz	TFR_201700825_020

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Declaration of Conformity

Reference number: SM6-24-20201020_01 (old SM6-24-20200912_01)

This declaration of conformity is established in accordance with ISO / IEC 17050-1

DM1-D 24KV 630A 25KA		
Specified Requirements	Scope of the Declaration	Reference of Conformity activity assessment results
Insulation level	Common value: 50kV-1min at power frequency 125kV peak 1.2/ 50µs	51165254EA
Temperature rise at rated current	Main Circuit 630A	TFR_201106991_003
Short-time withstand current and peak withstand current	$I_k = 25 \text{ kA}$, $t_k = 1 \text{ s}$ $I_p = 62,5 \text{ kA peak}$	51168380XB TN / AR-MV_2010-01
Internal arc	12,5 kA-1 s AFL Cables or Transformers Compartment	TN / SM6-24/201602/010 (TFR_201504464_002)
	12,5 kA-1 s AFL Busbars Compartment	TN / SM6-24/201602/011 (TFR_200903584_001)
	12,5 kA-1 s AFLR Cables Compartment - Bottom Exhaust	TN / SM6-24/201603/001 (TFR_201504464_007)
	12,5 kA-1 s AFLR Busbars Compartment - Bottom Exhaust	TN / SM6-24/201603/004 (TFR_201504464_012)
	16 kA-1 s AFL and AFLR Cables Compartment - Bottom Exhaust	TN / SM6-24/201603/001 (TFR_201504464_007)
	16 kA-1 s AFL and AFLR Busbars Compartment - Bottom Exhaust	TN / SM6-24/201603/004 (TFR_201504464_012)
	16 kA-1 s AFL and AFLR Cables Compartment - Top Exhaust	TN / SM6-24/201603/001 (TFR_201504464_007)
	16 kA-1 s AFL and AFLR Busbars Compartment - Top Exhaust	TN / SM6-24/201603/003 (TFR_201504464_008)
	20 kA-1 s AFL and AFLR Cables Compartment - Top Exhaust	TN / SM6-24/201603/001 (TFR_201504464_007)
	20 kA-1 s AFL and AFLR Busbars Compartment - Top Exhaust	TN / SM6-24/201603/003 (TFR_201504464_008)
Tests on auxiliary and control circuits	Dielectric: 2kV, 1 min	TFR_201700825_039 (applicable)
	Functional tests at rated, minimum and maximum values of the power supply (IEC 62271-103, § 6.10.2)	TFR_201707001_006 (applicable)

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Declaration of Conformity

Reference number: SM6-24-20201020_01 (old SM6-24-20200912_01)

This declaration of conformity is established in accordance with ISO / IEC 17050-1

DM1-W 24KV 630A 25KA		
Specified Requirements	Scope of the Declaration	Reference of Conformity activity assessment results
Insulation level	Common value: 50kV-1min at power frequency 125kV peak 1.2/ 50µs	TFR_201700825_059
Temperature rise at rated current	630A	51253676EE
Short-time withstand current and peak withstand current	- 25 kA - 1 s – 62.5 kA crête - triphasé (Circuit principal) - 25 kA - 1 s - 65 kA crête - triphasé (Circuit principal et sectionneur de terre) - 25 kA - 1 s - 65 kA crête - monophasé (Circuits de terre) - 2 kA - 1 s - 5.2 kA crête - triphasé (Sectionneurs de terre) - 2 kA - 1 s - 5.2 kA crête - monophasé (Circuit de terre)	RI_201904025_059
Making capacity of short circuit (12Kv)	25 kA - 1s triphasé and 62.5ka peak (of the lower earthing switch – 12kV)	51168088XB
Electrical continuity of earthed metallic parts test	On 30Adc < DU 3 V	TFR_201700825_037
Internal arc	12,5 kA-1 s AFL Cables or Transformers Compartment	TN / SM6-24/201602/020 (TFR_201504464_002)
	12,5 kA-1 s AFL Busbars Compartment	TN / SM6-24/201602/019 (TFR_200903584_001)
	12,5 kA-1 s AFLR Cables Compartment - Bottom Exhaust	TN / SM6-24/201603/001 (TFR_201504464_007)
	12,5 kA-1 s AFLR Busbars Compartment - Bottom Exhaust	TN / SM6-24/201603/004 (TFR_201504464_012)
	16 kA-1 s AFL and AFLR Cables Compartment - Bottom Exhaust	TN / SM6-24/201603/001 (TFR_201504464_007)
	16 kA-1 s AFL and AFLR Busbars Compartment - Bottom Exhaust	TN / SM6-24/201603/004 (TFR_201504464_012)
	16 kA-1 s AFL and AFLR Cables Compartment - Top Exhaust	TN / SM6-24/201603/001 (TFR_201504464_007)
	16 kA-1 s AFL and AFLR Busbars Compartment - Top Exhaust	TN / SM6-24/201603/003 (TFR_201504464_008)
	20 kA-1 s AFL and AFLR Cables Compartment - Top Exhaust	TN / SM6-24/201603/001 (TFR_201504464_007)
	20 kA-1 s AFL and AFLR Busbars Compartment - Top Exhaust	TN / SM6-24/201603/003 (TFR_201504464_008)
Tests on auxiliary and control circuits	Dielectric: 2kV, 1 min	TFR_201700825_039 (applicable)
	Functional tests at rated, minimum and maximum values of the power supply (IEC 62271-103, § 6.10.2)	TFR_201707001_006
Protection Index (IP)	IP3X (Units in switchboard)	TFR_201707001_002
Protection Index – mechanical Impact (IK)	IK08	TFR_201707001_004

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Declaration of Conformity

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DM1-M 24KV 630A 25KA		
Specified Requirements	Scope of the Declaration	Reference of Conformity activity assessment results
Insulation level	Common value: 50kV-1min at power frequency 125kV peak 1.2/ 50µs	with CTs and phase/earth VTs: TFR_201404600_001 TFR_201408948_001
		with CTs and phase/phase VTs: TFR-201404987_001 TFR-201404990_001
Short-time withstand current and peak withstand current	$I_k = 25 \text{ kA}$, $t_k = 1 \text{ s}$ $I_p = 62,5 \text{ kA peak}$	TFR_201403794_001
Internal arc	12,5 kA-1 s AFL Cables/ Transformers Compartment	TN / SM6-24/201702001 (TFR_201504464_002)
	12,5 kA-1 s AFL Busbars Compartment	TN / SM6-24/201702002 (TFR_200903584_001)
	12,5 kA-1 s AFLR Cables Compartment - Bottom Exhaust	TN / SM6-24/201603/001 (TFR_201504464_007)
	12,5 kA-1 s AFLR Busbars Compartment - Bottom Exhaust	TN / SM6-24/201603/004 (TFR_201504464_012)
	16 kA-1 s AFL and AFLR Cables Compartment - Bottom Exhaust	TN / SM6-24/201603/001 (TFR_201504464_007)
	16 kA-1 s AFL and AFLR Busbars Compartment - Bottom Exhaust	TN / SM6-24/201603/004 (TFR_201504464_012)
	16 kA-1 s AFL and AFLR Cables Compartment - Top Exhaust	TN / SM6-24/201603/001 (TFR_201504464_007)
	16 kA-1 s AFL and AFLR Busbars Compartment - Top Exhaust	TN / SM6-24/201603/003 (TFR_201504464_008)
	20 kA-1 s AFL and AFLR Cables Compartment - Top Exhaust	TN / SM6-24/201603/001 (TFR_201504464_007)
	20 kA-1 s AFL and AFLR Busbars Compartment - Top Exhaust	TN / SM6-24/201603/003 (TFR_201504464_008)

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Declaration of Conformity

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DM1-S 24KV 630A 20KA		
Specified Requirements	Scope of the Declaration	Reference of Conformity activity assessment results
Insulation level	Common value: 50kV-1min at power frequency 125kV peak 1.2/ 50µs	51249834EB
Short time withstand (12Kv)	Ik = 25 kA, tk = 1s	51250008XB
Short time withstand (24Kv)	Ik = 20 kA, tk = 1s	51250007XB

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Declaration of Conformity

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DMV-A 24KV 630A 20KA		
Specified Requirements	Scope of the Declaration	Reference of Conformity activity assessment results
Insulation level	Common value: 50kV-1min at power frequency 125kV peak 1.2/ 50µs	51251200EB
Temperature rise at rated current	630A	51250831EA
Short-time withstand current and peak withstand current On main switch On earthing switch downstream	Ik = 25 kA, tk = 1s Ip = 62.5kA peak	51238528XB (12kv-25kA)
	Ik = 20 kA, tk = 2s Ip = 50 kA peak	51238529XB (17.5kv-20kA)
Making capacity on earthing switch downstream	12 kV 62.5 kA peak	51238530XB
	17.5 kV 50 kA peak	51238532XB
Internal arc	16 kA-1 s AFL Cables Compartment	51238538XB

DMV-D 24KV 630A 20KA		
Specified Requirements	Scope of the Declaration	Reference of Conformity activity assessment results
Insulation level	Common value: 50kV-1min at power frequency 125kV peak 1.2/ 50µs	51251197EA
Temperature rise at rated current	630A	51250845EA
Short-time withstand current and peak withstand current	Ik = 25 kA, tk = 1s Ip = 62.5 kA peak	51238526XB (12kv-25kA)
	Ik = 20 kA, tk = 2s Ip = 50 kA peak	51238527XB (17.5kV – 20kA)

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Declaration of Conformity

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This declaration of conformity is established in accordance with ISO / IEC 17050-1

DMVL-A 24KV 630A 20KA		
Specified Requirements	Scope of the Declaration	Reference of Conformity activity assessment results
Insulation level	Common value: 50kV-1min at power frequency 125kV peak 1.2/ 50µs	5AAA25510EA
Temperature rise at rated current	630A	AAA25513EA
Short-time withstand current and peak withstand current	Ik = 20 kA, tk = 1s Ip = 50kA peak	2006-0905-00
Internal arc	12,5 kA-1 s AFL Cables or Transformers Compartment	TN / SM6-24/201602/015 (TFR_201504464_002)
	12,5 kA-1 s AFL Busbars Compartment	TN / SM6-24/201602/014 (TFR_200903584_001)
	12,5 kA-1 s AFLR Cables Compartment - Bottom Exhaust	TN / SM6-24/201603/001 (TFR_201504464_007)
	12,5 kA-1 s AFLR Busbars Compartment - Bottom Exhaust	TN / SM6-24/201603/004 (TFR_201504464_012)
	16 kA-1 s AFL and AFLR Cables Compartment - Bottom Exhaust	TN / SM6-24/201603/001 (TFR_201504464_007)
	16 kA-1 s AFL and AFLR Busbars Compartment - Bottom Exhaust	TN / SM6-24/201603/004 (TFR_201504464_012)
	16 kA-1 s AFL and AFLR Cables Compartment - Top Exhaust	TN / SM6-24/201603/001 (TFR_201504464_007)
	16 kA-1 s AFL and AFLR Busbars Compartment - Top Exhaust	TN / SM6-24/201603/003 (TFR_201504464_008)
	20 kA-1 s AFL and AFLR Cables Compartment - Top Exhaust	TN / SM6-24/201603/001 (TFR_201504464_007)
	20 kA-1 s AFL and AFLR Busbars Compartment - Top Exhaust	TN / SM6-24/201603/003 (TFR_201504464_008)

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Declaration of Conformity

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DMVL-D 24KV 630A 25KA		
Specified Requirements	Scope of the Declaration	Reference of Conformity activity assessment results
Internal arc	12,5 kA-1 s AFL Cables or Transformers Compartment	TN / SM6-24/201602/010 (TFR_201504464_002)
	12,5 kA-1 s AFL Busbars Compartment	TN / SM6-24/201602/011 (TFR_200903584_001)
	12,5 kA-1 s AFLR Cables Compartment - Bottom Exhaust	TN / SM6-24/201603/001 (TFR_201504464_007)
	12,5 kA-1 s AFLR Busbars Compartment - Bottom Exhaust	TN / SM6-24/201603/004 (TFR_201504464_012)
	16 kA-1 s AFL and AFLR Cables Compartment - Bottom Exhaust	TN / SM6-24/201603/001 (TFR_201504464_007)
	16 kA-1 s AFL and AFLR Busbars Compartment - Bottom Exhaust	TN / SM6-24/201603/004 (TFR_201504464_012)
	16 kA-1 s AFL and AFLR Cables Compartment - Top Exhaust	TN / SM6-24/201603/001 (TFR_201504464_007)
	16 kA-1 s AFL and AFLR Busbars Compartment - Top Exhaust	TN / SM6-24/201603/003 (TFR_201504464_008)
	20 kA-1 s AFL and AFLR Cables Compartment - Top Exhaust	TN / SM6-24/201603/001 (TFR_201504464_007)
	20 kA-1 s AFL and AFLR Busbars Compartment - Top Exhaust	TN / SM6-24/201603/003 (TFR_201504464_008)

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Declaration of Conformity

Reference number: SM6-24-20201020_01 (old SM6-24-20200912_01)

This declaration of conformity is established in accordance with ISO / IEC 17050-1

CVM 7,2KV 250A 6,3KA		
Specified Requirements	Scope of the Declaration	Reference of Conformity activity assessment results
Insulation level	Common value: 20KV-1min at power frequency 60kV peak 1.2/ 50µs	TFR_200801251_016
Temperature rise at rated current	Main Circuit 400A	TFR_200801251_018
Short-time withstand current and peak withstand current	$I_k = 6,3 \text{ kA}$, $t_k = 1 \text{ s}$ $I_p = 16,4 \text{ kA peak}$	TFR_200800877_003
Internal arc	12,5 kA-1 s AFLR Cables Compartment - Bottom Exhaust	TN / SM6-24/201603/001 (TFR_201504464_007)
	12,5 kA-1 s AFLR Busbars Compartment - Bottom Exhaust	TN / SM6-24/201603/004 (TFR_201504464_012)
	16 kA-1 s AFL and AFLR Cables Compartment - Bottom Exhaust	TN / SM6-24/201603/001 (TFR_201504464_007)
	16 kA-1 s AFL and AFLR Busbars Compartment - Bottom Exhaust	TN / SM6-24/201603/004 (TFR_201504464_012)
	16 kA-1 s AFL and AFLR Cables Compartment - Top Exhaust	TN / SM6-24/201603/001 (TFR_201504464_007)
	16 kA-1 s AFL and AFLR Busbars Compartment - Top Exhaust	TN / SM6-24/201603/003 (TFR_201504464_008)
	20 kA-1 s AFL and AFLR Cables Compartment - Top Exhaust	TN / SM6-24/201603/001 (TFR_201504464_007)
	20 kA-1 s AFL and AFLR Busbars Compartment - Top Exhaust	TN / SM6-24/201603/003 (TFR_201504464_008)

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Declaration of Conformity

Reference number: SM6-24-20201020_01 (old SM6-24-20200912_01)

This declaration of conformity is established in accordance with ISO / IEC 17050-1

GAM 24KV 630A 25KA		
Specified Requirements	Scope of the Declaration	Reference of Conformity activity assessment results
Insulation level	Common value: 50kV-1min at power frequency 125kV peak 1.2/ 50µs	TFR_201006034_001
Temperature rise at rated current	630A	51167175EA
Short-time withstand current and peak withstand current	$I_k = 25 \text{ kA}$, $t_k = 1 \text{ s}$ $I_p = 62,5 \text{ kA peak}$	201006034_002
Internal arc	12,5 kA-1 s AFLR Cables Compartment - Bottom Exhaust	TN / SM6-24/201603/001 (TFR_201504464_007)
	12,5 kA-1 s AFLR Busbars Compartment - Bottom Exhaust	TN / SM6-24/201603/004 (TFR_201504464_012)
	16 kA-1 s AFL and AFLR Cables Compartment - Bottom Exhaust	TN / SM6-24/201603/001 (TFR_201504464_007)
	16 kA-1 s AFL and AFLR Busbars Compartment - Bottom Exhaust	TN / SM6-24/201603/004 (TFR_201504464_012)
	16 kA-1 s AFL and AFLR Cables Compartment - Top Exhaust	TN / SM6-24/201603/001 (TFR_201504464_007)
	16 kA-1 s AFL and AFLR Busbars Compartment - Top Exhaust	TN / SM6-24/201603/003 (TFR_201504464_008)
	20 kA-1 s AFL and AFLR Cables Compartment - Top Exhaust	TN / SM6-24/201603/001 (TFR_201504464_007)
	20 kA-1 s AFL and AFLR Busbars Compartment - Top Exhaust	TN / SM6-24/201603/003 (TFR_201504464_008)

Document validity period: 5 years

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Legal information / Mentions légales
Société par actions simplifiée au capital de 896 313 776 euros
954 503 439 rcs Nanterre – code APE : 2712Z
Siret : 954 503 439 01719
n° ident. TVA : FR 04 954 503 439
Siège social : 35, rue Joseph Monier
F – 92500 Rueil-Malmaison

Declaration of Conformity

Reference number: SM6-24-20201020_01 (old SM6-24-20200912_01)

This declaration of conformity is established in accordance with ISO / IEC 17050-1

GAM2 24KV 630A 25KA		
Specified Requirements	Scope of the Declaration	Reference of Conformity activity assessment results
Insulation level	Common value: 50kV-1min at power frequency 125kV peak 1.2/ 50µs	51165328EA
Temperature rise at rated current	630A	51167175EA
Short-time withstand current and peak withstand current	Ik = 25 kA, tk = 1s Ip = 62,5kA peak	51168243XB TN / AR-MV_2010-01
Internal arc	12,5 kA-1 s AFL Cables/Busbars bottom Compartment	TN / SM6-24/201602/006 (20040226a)
	12,5 kA-1 s AFL Cables/Busbars top Compartment	TN / SM6-24/201602/006 (20040226a)
	12,5 kA-1 s AFLR Cables Compartment - Bottom Exhaust	TN / SM6-24/201603/001 (TFR_201504464_007)
	12,5 kA-1 s AFLR Busbars Compartment - Bottom Exhaust	TN / SM6-24/201603/004 (TFR_201504464_012)
	16 kA-1 s AFL and AFLR Cables Compartment - Bottom Exhaust	TN / SM6-24/201603/001 (TFR_201504464_007)
	16 kA-1 s AFL and AFLR Busbars Compartment - Bottom Exhaust	TN / SM6-24/201603/004 (TFR_201504464_012)
	16 kA-1 s AFL and AFLR Cables Compartment - Top Exhaust	TN / SM6-24/201603/001 (TFR_201504464_007)
	16 kA-1 s AFL and AFLR Busbars Compartment - Top Exhaust	TN / SM6-24/201603/003 (TFR_201504464_008)
	20 kA-1 s AFL and AFLR Cables Compartment - Top Exhaust	TN / SM6-24/201603/001 (TFR_201504464_007)
	20 kA-1 s AFL and AFLR Busbars Compartment - Top Exhaust	TN / SM6-24/201603/003 (TFR_201504464_008)

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Declaration of Conformity

Reference number: SM6-24-20201020_01 (old SM6-24-20200912_01)

This declaration of conformity is established in accordance with ISO / IEC 17050-1

TM 24KV 200A 25KA		
Specified Requirements	Scope of the Declaration	Reference of Conformity activity assessment results
Insulation level	Common value: 50kV-1min at power frequency 125kV peak 1.2/ 50µs	51165247EA
Temperature rise at rated current	50A	51249136XA
Short-time withstand current and peak withstand current	$I_k = 25 \text{ kA}$ $t_k = 1 \text{ s}$ $I_p = 62,5 \text{ kA peak}$	TN / AR-MV_2010-01
Internal arc	12,5 kA-1 s AFL Cables or transformers Compartment	TN / SM6-24/201602/003 (20040226a)
	12,5 kA-1 s AFL Busbars Compartment	TN / SM6-24/201602/005 (TFR_200903584_001)
	12,5 kA-1 s AFLR Cables Compartment - Bottom Exhaust	TN / SM6-24/201603/001 (TFR_201504464_007)
	12,5 kA-1 s AFLR Busbars Compartment - Bottom Exhaust	TN / SM6-24/201603/004 (TFR_201504464_012)
	16 kA-1 s AFL and AFLR Cables Compartment - Bottom Exhaust	TN / SM6-24/201603/001 (TFR_201504464_007)
	16 kA-1 s AFL and AFLR Busbars Compartment - Bottom Exhaust	TN / SM6-24/201603/004 (TFR_201504464_012)
	16 kA-1 s AFL and AFLR Cables Compartment - Top Exhaust	TN / SM6-24/201603/001 (TFR_201504464_007)
	16 kA-1 s AFL and AFLR Busbars Compartment - Top Exhaust	TN / SM6-24/201603/003 (TFR_201504464_008)
	20 kA-1 s AFL and AFLR Cables Compartment - Top Exhaust	TN / SM6-24/201603/001 (TFR_201504464_007)
	20 kA-1 s AFL and AFLR Busbars Compartment - Top Exhaust	TN / SM6-24/201603/003 (TFR_201504464_008)

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Declaration of Conformity

Reference number: SM6-24-20201020_01 (old SM6-24-20200912_01)

This declaration of conformity is established in accordance with ISO / IEC 17050-1

GBM 24KV 630A 25KA		
Specified Requirements	Scope of the Declaration	Reference of Conformity activity assessment results
Insulation level	Common value: 50kV-1min at power frequency 125kV peak 1.2/ 50µs	51249805EA
Short-time withstand current and peak withstand current (12kV)	Ik = 25 kA tk = 1s Ip = 62,5kA peak	51168258XA

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Declaration of Conformity

Reference number: SM6-24-20201020_01 (old SM6-24-20200912_01)

This declaration of conformity is established in accordance with ISO / IEC 17050-1

NSM 24KV 630A 25KA		
Specified Requirements	Scope of the Declaration	Reference of Conformity activity assessment results
Insulation level	Common value: 50kV-1min at power frequency 125kV peak 1.2/ 50µs	TFR_201106991_009 TFR_201106991_115
Temperature rise at rated current	Main Circuit 630A	TFR_201106991_003
Short-time withstand current and peak withstand current	$I_k = 25 \text{ kA}$ $t_k = 1 \text{ s}$ $I_p = 62,5 \text{ kA peak}$	TN / AR-MV_2010-01
Making capacity	Mainly active load current Test-duty N° 1 and 2a	51238841XB
Internal arc	12,5 kA-1 s AFL Cables Compartment	A20040226a
	12,5 kA-1 s AFL Busbars Compartment	TFR_200903584_001
	12,5 kA-1 s AFLR Cables Compartment - Bottom Exhaust	TN / SM6-24/201603/001 (TFR_201504464-007)
	12,5 kA-1 s AFLR Busbars Compartment - Bottom Exhaust	TN / SM6-24/201603/004 (TFR_201504464-012)
	16 kA-1 s AFL and AFLR Cables Compartment - Bottom Exhaust	TN / SM6-24/201603/001 (TFR_201504464-007)
	16 kA-1 s AFL and AFLR Busbars Compartment - Bottom Exhaust	TN / SM6-24/201603/004 (TFR_201504464-012)
	16 kA-1 s AFL and AFLR Cables Compartment - Top Exhaust	TN / SM6-24/201603/001 (TFR_201504464-007)
	16 kA-1 s AFL and AFLR Busbars Compartment - Top Exhaust	TN / SM6-24/201603/003 (TFR_201504464-008)
	20 kA-1 s AFL and AFLR Cables Compartment - Top Exhaust	TN / SM6-24/201603/001 (TFR_201504464-007)
	20 kA-1 s AFL and AFLR Busbars Compartment - Top Exhaust	TN / SM6-24/201603/003 (TFR_201504464-008)

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Declaration of Conformity

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This declaration of conformity is established in accordance with ISO / IEC 17050-1

GBC-A 24KV 630A 25KA		
Specified Requirements	Scope of the Declaration	Reference of Conformity activity assessment results
Insulation level	Common value: 50kV-1min at power frequency 125kV peak 1.2/ 50µs	TFR_200903156_003 (GOST)
Temperature rise at rated current	Main Circuit 630A	TFR_201106991_003
Short-time withstand current and peak withstand current	Ik = 20 kA tk = 4s Ip = 52 kA peak	TFR_200903156_004

GBC-B 24KV 630A 25KA		
Specified Requirements	Scope of the Declaration	Reference of Conformity activity assessment results
Insulation level	Common value: 50kV-1min at power frequency 125kV peak 1.2/ 50µs	TFR_201006034_001
Short-time withstand current and peak withstand current	Ik = 20 kA tk = 4s Ip = 52 kA peak	201006034_004
Short-time withstand current and peak withstand current on main circuit	Ik = 25 kA, tk = 1s Ip = 62,5kA peak	TFR_201006034_002

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