

EU RO MUTUAL RECOGNITION TYPE APPROVAL CERTIFICATE

This Certificate is issued to

Schneider Electric Industries SAS
GRENOBLE, France

for

Circuit Breakers

with type designation(s)

PowerPact B & Compact NSXm

The product is found to comply with

EU RO Mutual Recognition Technical Requirements for Circuit Breakers

Intended service

Circuit breaker for use onboard ship and offshore platforms.

Rated Voltage (V) Up to 690

Rated Current (A) Up to 160

Frequency (Hz) 50 / 60

This Certificate is valid until **2022-06-20**.

Issued at **Høvik** on **2017-06-21**

DNV GL local station: **Paris CMC / VMC**

for **DNV GL**

Approval Engineer: **Nicolay Horn**

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Andreas Kristoffersen
Head of Section



Product description

Circuit Breaker PowerPact B

125 A B-Frame						
	BD		BG		BJ	
Number of poles	1	2-4	1	2-4	1	2-4
Rated insulation voltage AC (V)	800	800	800	800	800	800
Rated operational voltage AC(V)	240	690	240	690	240	690
Rated Current (A)	15-125	15-125	15-125	15-125	15-125	15-125
Rated Frequency (Hz)	50-60	50-60	50-60	50-60	50-60	50-60
Rated Short-circuit Service Breaking cap. Icu (kA)						
240V	25	25	65	65	65	100
415V	-	18	-	35	-	65
440V	-	18	-	35	-	65
525V	-	14	-	18	-	25
690V	-	-	-	-	-	10
Rated Ultimate short- circuit Breaking cap. Ics (kA)						
240V	25	25	65	65	65	100
415V	-	18	-	35	-	65
440V	-	18	-	35	-	65
525V	-	14	-	18	-	25
690V	-	-	-	-	-	2.5
Utilization category	A	A	A	A	A	A

Circuit breaker NSK_m

NSX _m up to 63 A					
	E	B	F	N	H
Number of poles	3-4	3-4	3-4	3-4	3-4
Rated insulation voltage AC (V)	800	800	800	800	800
Rated operational voltage AC(V)	690	690	690	690	690
Rated Current (A)	16-63	16-63	16-63	16-63	16-63
Rated Frequency (Hz)	50-60	50-60	50-60	50-60	50-60
Rated Short-circuit Service Breaking cap. Icu (kA)					
240V	25	50	85	90	100
415V	16	25	36	50	70
440V	10	20	35	50	65
500V	8	10	15	25	30
525V	-	-	10	15	22
690V	-	-	-	10	10
Rated Ultimate short- circuit Breaking cap. Ics (kA)					
240V	25	50	85	90	100
415V	16	25	36	50	70
440V	10	20	35	50	65
525V	8	10	15	25	30
525V	-	-	10	15	22
690V	-	-	-	2.5	2.5
Utilization category	A	A	A	A	A

NSX _m 80 to 160A

Job Id: **262.4-000060-1**
Certificate No: **MRE0000006**

	E	B	F	N	H
Number of poles	3-4	3-4	3-4	3-4	3-4
Rated insulation voltage AC (V)	800	800	800	800	800
Rated operational voltage AC(V)	690	690	690	690	690
Rated Current (A)	80-160	80-160	80-160	80-160	80-160
Rated Frequency (Hz)	50-60	50-60	50-60	50-60	50-60
Rated Short-circuit Service Breaking cap. Icu (kA)					
240V	25	50	85	90	100
415V	16	25	36	50	70
440V	10	20	35	50	65
500V	-	-	-	-	-
525V	-	-	-	-	-
690V	-	-	-	-	-
Rated Ultimate short- circuit Breaking cap. Ics (kA)					
240V	25	50	85	90	100
415V	16	25	36	50	70
440V	10	20	30	50	65
525V	-	-	-	-	-
525V	-	-	-	-	-
690V	-	-	-	-	-
Utilization category	A	A	A	A	A

Switch disconnecter NSXm

	NSXm 50NA	NSXm 100NA	NSXm 160NA
Number of poles	3-4	3-4	3-4
Rated insulation voltage AC (V)	800	800	800
Rated operational voltage AC(V)	690	690	690
Rated Current (A)	50	100	160
Rated Frequency (Hz)	50-60	50-60	50-60
Rated short time withstand current Icw	0.9kA / 3s	1.5kA / 3s	1.5kA / 3s
Rated short time making capacityIcm	1.28 kA	2.13 kA	2.13 kA

Manufactured by

Schneider Electric Industries Polska Sp z,
Bukowno, Poland (NSXm)

Schneider Industrial Tlaxacala S A DE C V
TLAX Mexico

Schneider Electric (Beijin) Medium & Low Voltage, Co Ltd,
Beijing, China (NSXm)

Schneider Electric USA INC
Paris, Columbia

Application/Limitation

Suitable for use in an IT system with a capacity of 1.2 times the maximum trip current at up to 690 V AC.

Type Approval documentation

Marking of product

Schneider Electric – Masterpact NXb / Powerpact B Circuit-Breaker–Type designation.

Job Id: **262.4-000060-1**
Certificate No: **MRE0000006**

Other Conditions

Type tests according to: IEC 60947-2 including Annex H, vibration test, dry heat test, damp heat test, salt mist test and EMC test. Switch disconnector type tested in accordance with IEC 60947-3.

Periodical assessment

The scope of the periodical assessment is to verify that the conditions stipulated for the Type approval is complied with and that no alterations are made to the product design or choice of materials.

The main elements of the assessment are:

- Inspection on factory samples, selected at random from the production line (where practicable).
- Results from Routines (RT) checked (if not available tests RT to be carried out).
- Review of type approval documentation.
- Review of possible change in design, materials and performance.
- Ensure traceability between manufacturer's product marking and the DNVGL EU MR Type Approval Certificate.

Assessment to be performed annually.

END OF CERTIFICATE