

SCHNEIDER ELECTRIC INDUSTRIES SAS

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Tier: 2 - PDA Issued

Product: Molded Case Circuit Breaker

Model: Compact NS 630b-1600 with suffix N/H/L/LB for circuit-breaker and with suffix NA for switch-disconnector.

Intended Service:

Electrical installation protection

Description:

Low voltage circuit breakers and switch-disconnectors of moulded case construction.

Compact NS630b-1600 circuit-breakers are equipped with trip-unit Micrologic 2.0 / 5.0 / 6.0 ; 2.0A / 5.0A / 6.0A / 7.0A ; 2.0E / 5.0E / 6.0E ; 5.0P / 6.0P / 7.0P

Rating:

Rated service voltage Ue 690 V AC for type N/H/LB and NA

Rated service voltage Ue 525 V AC for type L

Rated insulation voltage Ui 800 V

Rated impulse withstand voltage Uimp 8 kV

Frequency 50 - 60 Hz

Number of poles 3 - 4

Temperature Operating range - 25°C to +70°C. Derating for ambient temperature above 40°C according to manufacturer's derating table.

See attachment for details

Service Restriction:

- Unit Certification is not required for this product.

- If the manufacturer or purchaser's request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.

- The scope of Type Approval is to comply with MSC.1/Circ.1221 dated 11 December 2006.

Comments:

- The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.

- Selection of breakers is to be done also on the basis of their breaking and making capacities, in accordance with 4-8-2/9.3, as a function of prospective short circuit current at their point of installation (see attachment).

Notes/Drawing/Documentation:

Drawing No. Impact 60947-3 Ed3 A2 vs A1

BV LCIE Test Report No.CB-certif-FR704989-NS630b-1600N dated 2019-02-05

BV LCIE Test Report No.CB-60052378-553314A-NS630b-1600N (IT-440V)dated 2006-12-12

BV LCIE Test Report No.CB-60052378-553314B-NS630b-1600H (IT-440V)dated 2006-12-12

BV LCIE Test Report No.CB-60052378-553314C-NS630b-1000L(IT-525V)-OK dated 2006-12-12

BV LCIE Test Report No.CB-126232-652989 NS630b-1600NA dated 2014-11-25

BV LCIE Test Report No.CB-certificat-FR652989-NS630b-1600NA-2014-12-02

BV LCIE Test Report No.CB-certif-FR704994-NS630b-1600L dated 2019-02-05

BV LCIE Test Report No.CB-certif-FR704995-NS630b-1600H dated 2019-02-05

BV LCIE Test Report No.CB-certif-FR704996-NS630b-1600LB dated 2019-02-05

BV LCIE Test Report No.CB-126228-652973A-NS630b-1600LB-NHL dated 2014-16-12

BV LCIE Test Report No.CB-126228-652973-NS630b-1600NHL dated 2014-10-09

BV LCIE Test Report No.CB-155657-721660-NS630b-1600NH dated 2019-01-16

BV LCIE Test Report No.CB-559712-NS630b-800LB(OK-IT-690V) dated 2007-10-03

BV LCIE Test Report No.CB-60028009-523214NS-A1-glow-wire-test dated 2007-07-17

Terms of Validity:

This Product Design Assessment (PDA) Certificate 19-GE1845159-PDA, dated 10/May/2019 remains valid until

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09/May/2024 or until the Rules or specifications used in the assessment are revised (whichever occurs first).

This PDA is intended for a product to be installed on an ABS classed vessel, MODU or facility which is in existence or under contract for construction on the date of the ABS Rules or specifications used to evaluate the Product.

Use of the Product on an ABS classed vessel, MODU or facility which is contracted after the validity date of the ABS Rules and specifications used to evaluate the Product, will require re-evaluation of the PDA.

Use of the Product for non ABS classed vessels, MODUs or facilities is to be to an agreement between the manufacturer and intended client.

STANDARDS

ABS Rules:

2019 Rules for Conditions of Classification, 1-1-4/7.7, 1-1-A3, 1-1-A4, which covers the following:

2019 Steel Vessel Rules 4-8-3/5.3.3

2019 Offshore Support Vessels Rules, 4-8-3/5.3.3

2019 Steel Vessels Under 90 Meters (295 Feet) in Length Rules, 4-6-4/11.1

2019 Marine Rules Rules 4-8-3/5.3.3

2019 Rules for Conditions of Classification – Offshore Units and Structures 1-1-4/9.7, 1-1-A2, 1-1-A3, which covers the following:

2019 Mobile Offshore Drilling Unit Rules, 6-1-7/13.1

2019 Facilities on Offshore Installations Rules 3-6/11.3.3

2019 Mobile Offshore Unit Rules, 6-1-7/13.1

National:

NA

International:

IEC 60947-1:2007(ed.5) +A1:2010 +A2:2014

IEC 60947-2:2016(ed.5)

IEC 60947-3:2008 (ed.3) +A1:2012 +A2:2015

Government:

NA

EUMED:

NA

OTHERS:

NA