



# TYPE APPROVAL CERTIFICATE

Certificate no.:  
**TAE00001WF**  
Revision No:  
**3**

## This is to certify:

**that the Disconnection Switch**

with type designation(s)  
**V02, V01, V0, V1, V2, V3, V4, V5, V6**

issued to

**Schneider Electric Industries SAS**  
**Eybens, France**

is found to comply with

**DNV rules for classification – Ships, offshore units, and high speed and light craft**

## Application:

**Products approved by this certificate are accepted for installation on all vessels classed by DNV.**

Issued at **Høvik** on **2024-01-22**

for **DNV**

This Certificate is valid until **2028-03-28**.

DNV local unit: **France CMC**

Approval Engineer: **Nicolay Horn**

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



## Name and place of manufacture

Schneider Electric, a.s.  
 Cizovska 447  
 397 01 Pisek  
 Czech Republic

## Product description

Isolating switches with the following characteristics:

Rated current, Ie:	12 up to 165 A
Rated operational voltage, Ue:	690 V
Rated insulation voltage, Ui:	690 V
Rated impulse withstand voltage Uimp:	8 kV

Specifications:

Model and Specifications		V02	V01	V0	V1	V2	V3	V4	V5	V6
I <sub>e</sub> (A)		A	A	A	A	A	A	A	A	A
Utilization category	Ue (V)									
AC-21A/AC-22A	230 - 690V	12	20	25	32	40	63	80	125	160
AC-23A	230V	10.6	14	19.7	19.7	25.8	50,3	61,2	71,9	96,6
	400V	8.1	11	14.5	21.8	29	41,5	57	68,5	83
	500V	8.9	11.9	16.7	16.7	28.5	44	54	64,5	79
	690V	8.6	12.3	17.5	17.5	17.5	25	33	42	49

Rated short circuit capacity:

Performance at:	400/ 690V
I <sub>m</sub> :	0,3-0,9/ 0,18-0,48 kA
I <sub>cu</sub> :	0,3-0,9/ 0,18-0,48 kA
Rated surge-current:	1,0 / 2,8 kA
Short- time current:	0,6 / 2,5kA

Supplementary modules:

Main contacts:	(V02, V01, V0...2, V3...V4)
Auxiliary contact:	AC15, 400 / 4A – (V0...2, V3...V6)
Encapsulated design with PC plastic housing:	IP56 (V0...2, V3... V4)

## Application/Limitation

Temperature class: B  
 Humidity class: B  
 Vibration class: A

## Type Approval documentation

Test reports :

TÜV test report HU23VAR3 001 dated 2023-08-09  
 TÜV test report HU23VAR0 001 dated 2023-06-22  
 TÜV test reports 28251362-001 dated 2019-11-19  
 TÜV test reports 28251223-001 dated 2019-10-18  
 VDE test report 306834-T3L-1 dated 2023-07-07  
 VDE test report 236600-CC2-1 dated 2017-04-14  
 CQC test report 00901-CB2018-COC-083937 dated 2019-07-12  
 R.M.S. No. 2-8-92 (13.08.99) - Square D No. 07.08.92  
 ASE 89.1.1041.01 (12.10.89) - CSA LR 12721-93  
 Presentation of Vario from 12A to 175A  
 TR 00901-CB2013CQC-055151 VZ-7-VZ20\_CN30518\_Confidential  
 TR-205283-CC2-2-VDE-Vario-V0-V2-10-01-2015

TR-205283-CC2-3-VDE-Vario-V5-V6-10-01-2015  
V0-V1-V2-V01-V02-VZ-VC-VB-VV\_Pk\_DE1-56164@  
V5-V6-VZ-VBF-VCC\_Pk\_DE1-56165@  
VZ-7-VZ20\_CN30518@  
VARIO\_V3-V4\_HU-002016@  
28237141\_002  
28237141\_Attachment 1  
28237141\_Attachment 2  
28237141\_Attachment 3  
28237141\_Attachment 4  
TFR\_201607864\_001  
TFR\_201607866\_001  
TFR\_201607867\_001  
TFR\_201607868\_001  
TFR\_201700741\_001  
RI\_201607865\_001

### Tests carried out

Regulations for the Performance of Type Tests, Edition 2021,  
For switch-disconnector: IEC 60947-3 (2008 + A1: 2012 + A2 2015)  
For auxiliary contacts: IEC 60947-5-1 (2016)

### Marking of product

Schneider Electric and /or Telemecanique – Type designation

### Periodical assessment

The scope of the periodical assessment is to verify that the conditions stipulated for the Type approval are 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 Routine Tests (RT) checked (if not available tests according to RT to be carried out)
- Review of type approval documentation
- Review of possible change in design, materials and performance
- Ensuring traceability between manufacturer's product type marking and Type Approval Certificate.

Periodical assessment is to be performed after 2 years and after 3.5 years. A renewal assessment will be performed at renewal of the certificate.

END OF CERTIFICATE