


# INVESTIGATION REPORT

Our ref. HEL-CERT220901394-01

IR-00050

<b>Product</b>	Switch-disconnector
<b>Type</b>	OTHV2000E_ and OTHV2500E_
<b>Trade mark</b>	
<b>Applicant</b>	ABB Oy, Smart Power Muottitie 2 A FI-65320 Vaasa, FINLAND
<b>Manufacturer</b>	ABB Oy, Smart Power Muottitie 2 A FI-65320 Vaasa, FINLAND
<b>Additional product information</b>	See pages 2 and 3 of this Investigation Report.
<b>The product has been tested according to standards</b>	IEC 60947-3:2020 IEC 60947-1:2020
<b>Investigation result</b>	The product fulfils the requirements of above mentioned standards.
<b>Other information</b>	The test results have been introduced in the test report HELES2205000657-1.  This test result is valid only for the product tested.
<b>Date</b>	2022-09-23
<b>Signature</b>	 Seppo Lautamies Project Manager

**Additional information**

Method of operation

Rotary switch, independent manual operation.  
One hand operated

Number of poles:

3 or 4

Rated operational current:

Ie See table

Rated operational voltage:

Ue: 800 V

Rated insulation voltage:

Ui 1000 V

Rated frequency:

f 50...60 Hz

Utilization category

AC-21B

Conventional enclosed thermal current:

Ith See table

Rated short-time withstand current:

Icw 0,25 s; 80 kA (with 15cm busbar support distance)

Rated short-circuit making capacity:

Icm 800 V; 176 kA (with 15cm busbar support distance)

Rated impulse withstand voltage:

Uimp 12 kV

Handle type

OH\_274J12

		OTHV2000_	OTHV2500_
Ith		2000 A	2500 A
Ithe		-	-
Ie	AC-21B, 800 V	2000 A	2500 A
Icw	0,25 s	80 kA	
Icm	800 V	176 kA	

**Designation key**

OTHV	2500	E	03	P	
				P	External handle and shaft included
				Blanco	Without handle and shaft
					Number of poles and placing of operating mechanism
					<b>Mounting / Construction:</b>
				E	Front operated, IEC rated types
					<b>Switch size:</b> 2000 or 2500
				OTHV	Switch Disconnecter, higher voltage

**Additional information**

**Tested types**

OTHV2000E03	OTHV2500E03
OTHV2000E30	OTHV2500E30
OTHV2000E12	OTHV2500E12
OTHV2000E21	OTHV2500E21
OTHV2000E04	OTHV2500E04
OTHV2000E40	OTHV2500E40
OTHV2000E22	OTHV2500E22

**Manufacturing site(s)** ABB Oy, Smart Power  
Muuttitie 2 A  
FI-65320, Vaasa, Finland

**Is based on:** HELES2205000657-1