

# INVESTIGATION REPORT

Our ref. HEL-CERT220901393-01

IR-00049

<b>Product</b>	Switch-disconnector
<b>Type</b>	OTHV630E_ and OTHV800E_
<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 HELES2205000655-1.  This test result is valid only for the product tested.
<b>Date</b>	2022-09-23
<b>Signature</b>	<b>SGS Fimko Ltd</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:	See table
Rated insulation voltage:	Ui	1000 V
Rated frequency:	f	50...60 Hz
Utilization category		AC-22A and AC-23A
Conventional enclosed thermal current:	Ithe	See table
Rated short-time withstand current:	Icw	0,25 s; 36 kA (with 15cm cable support distance)
Rated short-circuit making capacity:	Icm	1000 V; 80 kA (with 15cm cable support distance)
Rated impulse withstand voltage:	Uimp	12 kV
Handle type		OH_125J12

		OTHV630	OTHV800
Ith		630 A	800 A
Ithe		630 A	630 A
Ie	AC-22A, 1000 V	400 A	800 A
	AC-23A, 800 V	400 A	400 A
Icw	0,25 s	36 kA	
Icm	1000 V	80 kA	

**Designation key**

OTHV	800	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> 630 or 800
					OTHV Switch Disconnecter, higher voltage

**Additional information**

**Tested types**

OTHV630E03	OTHV800E03
OTHV630E30	OTHV800E30
OTHV630E12	OTHV800E12
OTHV630E21	OTHV800E21
OTHV630E04	OTHV800E04
OTHV630E40	OTHV800E40
OTHV630E22	OTHV800E22

**Manufacturing site**

ABB Oy, Smart Power  
Muottitie 2 A  
FI-65320, Vaasa, Finland

**Is based on:**

HELES2205000655-1