

# INVESTIGATION REPORT

Our ref. HEL-CERT220901396-01

IR-00051

<b>Product</b>	Switch-disconnector
<b>Type</b>	OTHV160E_W_, OTHV200E_W_ and OTHV250E_W_
<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 HELES2205000653-1.  This test result is valid only for the product tested.
<b>Date</b>	2022-09-23
	<b>SGS Fimko Ltd</b>
<b>Signature</b>	 Seppo Lautamies Project Manager

**Additional information**

Method of operation: Rotary switch, independent manual operation.  
 Two finger operated

Number of poles: 3 or 4

Rated operational current: See table

Rated operational voltage: Ue: 1000 V

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; 15 kA (with 15cm cable support distance)

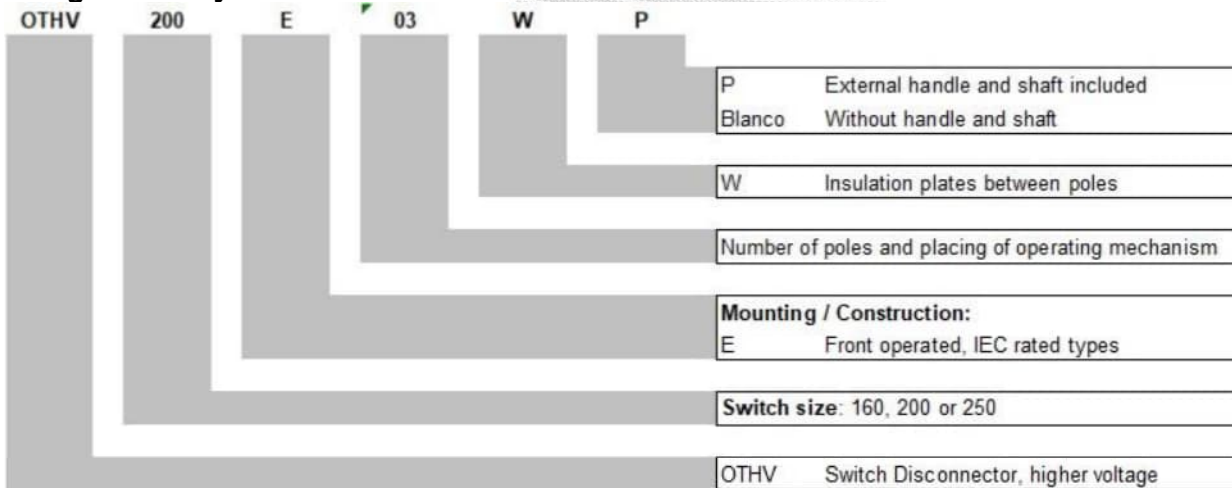
Rated short-circuit making capacity: Icm: 1000 V; 30 kA (with 15cm cable support distance)

Rated impulse withstand voltage: Uimp: 12 kV

Handle type: OH\_65J6

		OTHV160	OTHV200	OTHV250
Ith		160 A	200 A	250 A
Ithe		160 A	200 A	250 A
Ie	AC-22A, 1000 V	160 A	200 A	250 A
	AC-23A, 1000 V	135 A	135 A	135 A
Icw	0,25 s	15 kA		
Icm	1000 V	30 kA		

**Designation key**



**Additional information**

**Tested types**

OTHV160E03W	OTHV200E03W	OTHV250E03W
OTHV160E30W	OTHV200E30W	OTHV250E30W
OTHV160E12W	OTHV200E12W	OTHV250E12W
OTHV160E21W	OTHV200E21W	OTHV250E21W
OTHV160E04W	OTHV200E04W	OTHV250E04W
OTHV160E40W	OTHV200E40W	OTHV250E40W
OTHV160E22W	OTHV200E22W	OTHV250E22W

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

**Is based on:** HELES2205000653-1