



# INVESTIGATION REPORT

Our ref. HEL-CERT231010065-01

IR-00106

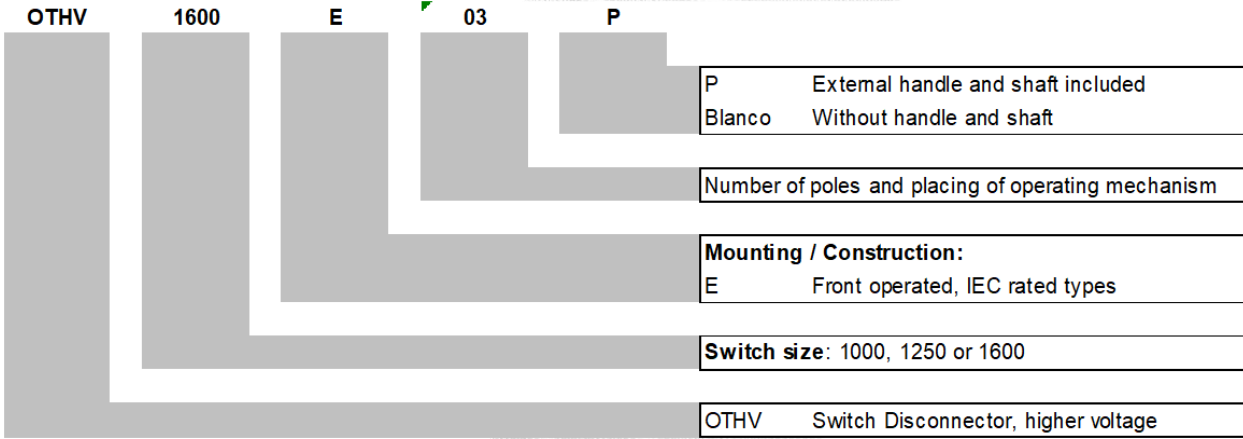
<b>Product</b>	Switch-disconnector
<b>Type</b>	OTHV1000E_, OTHV1250E_, OTHV1600E_
<b>Trade mark</b>	
<b>Applicant</b>	ABB Oy, Smart Power Muottitie 2 A FI-65320, Vaasa, Finland
<b>Manufacturer</b>	ABB Oy, Smart Power Muottitie 2 A FI-65320, Vaasa, Finland
<b>Additional product information</b>	See pages 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 test results have been introduced in the test report HELES2303000367-1 This test result is valid only for the product tested.
<b>Other information</b>	This test result is valid only for the product tested. The product has not been granted the right to use the FI mark.
<b>Date</b>	2023-10-26
<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:	$I_e$ See table
Rated operational voltage:	$U_e$ See table
Rated insulation voltage:	$U_i$ 1000 V
Rated frequency:	$f$ 50...60 Hz
Utilization category	AC-21A , AC-21A and AC-23A
Conventional enclosed thermal current:	$I_{th}$ See table
Rated short-time withstand current:	$I_{cw}$ 50 kA 1 s, (with 15cm busbar support distance)
Rated short-circuit making capacity:	$I_{cm}$ 1000 V; (with 15cm busbar support distance) 110 kA (3-pole), 92 kA (4-pole)
Rated impulse withstand voltage:	$U_{imp}$ 12 kV
Handle type	OHB274J12

		OTHV1000_	OTHV1250_	OTHV1600_
$I_{th}$		1000 A	1250 A	1600 A
$I_{the}$		-	-	-
$I_e$	AC-21A, 1000 V	1000 A	1250 A	1600 A
	AC-22A, 1000 V	1000 A	1250 A	1600 A
	AC-23A, 800 V	800 A	800 A	800 A
$I_{cw}$	1 s	50 kA		
$I_{cm}$	1000 V	110 kA (3-pole)		
		92 kA (4-pole)		

**Designation key**



**Tested types**

OTHV1000E03	OTHV1250E03	OTHV1600E03
OTHV1000E30	OTHV1250E30	OTHV1600E30
OTHV1000E12	OTHV1250E12	OTHV1600E12
OTHV1000E21	OTHV1250E21	OTHV1600E21
OTHV1000E04	OTHV1250E04	OTHV1600E04
OTHV1000E40	OTHV1250E40	OTHV1600E40
OTHV1000E22	OTHV1250E22	OTHV1600E22

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

**Is based on test** HELES2303000367-1