



INVESTIGATION REPORT

Our ref. HEL-CERT231010064-01

IR-00105

Product	Switch-disconnector
Type	OTHV100G_, OTHV125G_, OTHV160G_
Trade mark	
Applicant	ABB Oy, Smart Power Muottitie 2 A FI-65320, Vaasa, Finland
Manufacturer	ABB Oy, Smart Power Muottitie 2 A FI-65320, Vaasa, Finland
Additional product information	See pages 2 and 3 of this Investigation Report.
The product has been tested according to standards	IEC 60947-3:2020 IEC 60947-1:2020
Investigation result	The product fulfils the requirements of above mentioned standards.
Other information	The test results have been introduced in the test report HELES2205000652-1. This test result is valid only for the product tested.
Date	2023-10-26
Signature	SGS Fimko Ltd  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: 800 V and 1000 V
Rated insulation voltage:	Ui: 1000 V
Rated frequency:	f: 50...60 Hz
Utilization category	AC-21A, AC-22A and AC-23B
Conventional enclosed thermal current:	Ithe: See table
Rated short-time withstand current:	Icw: 0,25 s; 7 kA
Rated short-circuit making capacity:	Icm: 1000 V; 11,9 kA
Rated impulse withstand voltage:	Uimp: 12 kV
Handle type	OH_65J6

Ratings

		OTHV100G_	OTHV125G_	OTHV160G_
Ith		100 A	125 A	160 A
Ithe		100 A	125 A	160 A
Ie	AC-21A, 1000 V	100 A	125 A	125 A
	AC-22A, 1000 V	100 A	100 A	100 A
	AC-23B, 1000 V	63 A	63 A	63 A
	AC-21A, 800 V	100 A	125 A	160 A
	AC-22A, 800 V	100 A	125 A	125 A
	AC-23B, 800 V	80 A	80 A	80 A
Icw	0,25 s	7 kA		
Icm	1000 V	11,9 kA		

Designation key

OTHV	160	G	03	P	
					P External handle and shaft included Blanco Without handle and shaft
					Number of poles and placing of operating mechanism
					Mounting / Construction: G Front operated, IEC rated types
					Switch size: 100, 125 or 160
					OTHV Switch Disconnector, higher voltage

Tested types

OTHV100G03	OTHV125G03	OTHV160G03
OTHV100G30	OTHV125G30	OTHV160G30
OTHV100G04	OTHV125G04	OTHV160G04
OTHV100G40	OTHV125G40	OTHV160G40

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

Is based on test HELES2205000652-1