

MEDIUM VOLTAGE PRODUCTS

ON – Outdoor disconnect

24 – 36 kV, 400 – 2000 A



Safety and protection of personnel and assets



Complete solution with various drives and control equipment



Reliable operation guaranteed by proven design

Product features

- Rated voltages 24, 36 kV
- Rated currents 400 – 2000 A
- Single or three phase design (ON I, ON III)
- Operated with manual or motor drives (also remotely controlled)
- Many ways of coupling with drive by common couplers and rods
- Vertical-break opening
- Fixed terminals for connection on both sides
- Available with earthing switches on both sides
- Durable porcelain insulators
- Applicable standards IEC 62271-1, IEC 62271-102

Product benefits

- Safe and visible isolating gap in open position
- Proven and reliable design
- High mechanical endurance
- High electric parameters
- Installation position: horizontal or vertical
- Suitable for new installations or retrofit
- Easy to install and commission
- Minimal maintenance requirements
- Possibility to work in various climatic condition and in various types of networks
- Remotely controlled can work as sectionalizer in distribution network
- Possibility to customize for tailor made solutions

Technical data of basic 3-phase ON disconnecter:

Parameters	ONIII 20/4-2	ONIII 20/8-2	ONIII 20/12-2	ONIII 30/4-2	ONIII 30/8-2	ONIII 30W/4-2	ONIII 30W/8-2	ONIII 30W/16-2	ONIII 30W/20-2	
Rated Voltage [kV]	24			36						
Rated power frequency withstand voltage to earth and between phases [kV]	55			75						
Rated power frequency withstand voltage across the isolating distance [kV]	75			100						
Rated lighting impulse withstand voltage to earth end between phases [kV]	125			170						
Rated lighting impulse withstand voltage across the isolating distance [kV]	145			195						
Creepage distance [mm]	460			610		900				
Rated current [A]	400	800	1250	400	800	400	800	1600	2000	
Disconnecter rated peak withstand current [kA]	50			50				63		
Disconnecter rated short-time withstand current 1 s [kA]	20			20				25		
Earthing switch	UD – lower earthing switch or UG – upper earthing switch*									
Earthing switch rated peak withstand current [kA]	40			50				63		
Earthing switch rated short-time withstand current 1 s [kA]	16			20				25		
Rated frequency [Hz]	50/60									
Mechanical endurance [close/open cycles]	1000									
Weight [kg]	Without earthing switch			80		105		125		130
	With earthing switch			90		120		140		150

* earthing switch from both side on request

Available optional configuration or equipment:

- One phase design (ON I)
- Earthing switches on both sides (3-phase disconnecter only)
- Manual operating mechanism NN1 with auxiliary contacts and interlock
- Motor operating device UEMC50
- Rods and rod's supports
- Customer-specific configuration on request

ABB Contact Center
tel.: +48 22 22 37 777
e-mail: kontakt@pl.abb.com

ABB Sp. z o.o. – Branch in Przasnysz
ul. Leszno 59, 06-300 Przasnysz
tel.: +48 22 22 38 900
fax: +48 22 22 38 953

www.abb.pl

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