

Reinforced indoor rotary disconnecter OWPS GE-B

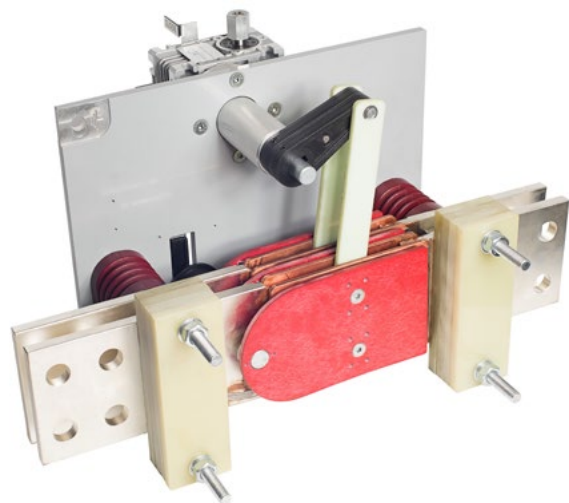
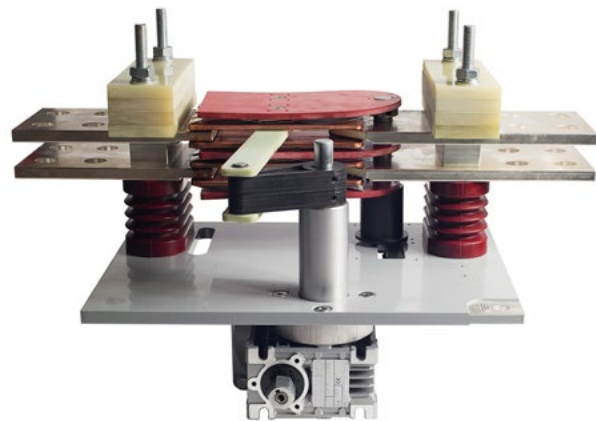
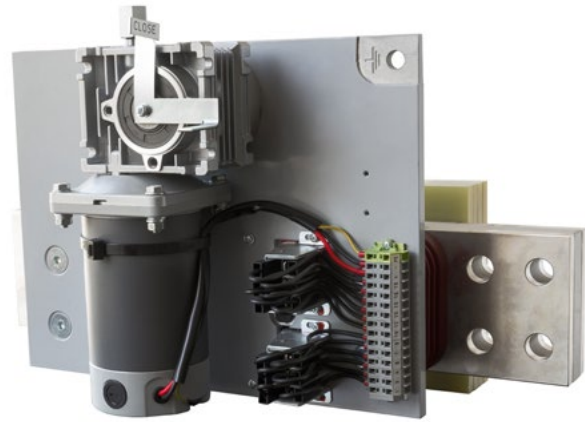
APPLICATION

OWPS GE-B is reinforced version of OWPS. It is more robust and able to reach short peak current ($I_k=280\text{kA}/t_k=40\text{ms}$). This could be achieved thanks to use of legally protected construction of layer insulators. OWPS GE-B type disconnectors are devices used to connecting and disconnecting the electrical circuit without a load. Devices of this type are used in traction, power banks and in the grid industry. Mounted in a chamber, disconnector OWPS GE-B meets various roles such as:

- » isolating the positive or negative end, or both assembly of transformer/ rectifier
- » power supply isolation from the source of energy

ADVANTAGES

- » thermal current in open air: 2000 A up to 6300 A
- » rated voltage: 1800 VDC
- » rated insulation voltage: 3000 VDC
- » high rated short-circuit strength
- » connections silver plated
- » self-cleaning contacts
- » controlled manually or by motor
- » auxiliary contacts: 3NO+3NC, 6NO+6NC
- » compliance with standards: PN EN 50123-2:2013, PN-EN 50123-3:2003



OPERATING CONDITIONS

Min. mechanical durability	20000 cycles
Ambient temperature	- 5 up to + 40°C
Height above sea level	1500 m
Mechanical opening time	<2 s.
Mechanical closing time	<2 s.
Level of protection	IP00

AUXILIARY CONTACTS

Auxiliary contacts are based on the main panel of the disconnecter. Contacts have 3 or 6 pairs of auxiliary contacts NO/NC.

Number of contacts	3, 6 pairs of NO/NC
Rated operating voltage	24 - 230 VDC
Rated current	0,27 A
Min. Leakage current at 24 VDC	10 mA

CONSTRUCTION

OWPS GE-B disconnecters consist of aluminum base, copper busbars, silver contacts, post insulators, electroinsulating strings and the motor drive. They are equipped with electric drive. The disconnecters can work in vertical or horizontal position.

MARKING

Name of the disconnecter	OWPS GE-B	-	.	-	.	-	.	-	-	.	-
Rated voltage	-	18	.	-	.	-	.	-	-	.	-
Contractual current	-	-	.	20	.	-	.	-	-	.	-
Number of poles	-	-	.	-	.	1	.	-	-	.	-
Drive	-	-	.	-	.	-	.	M	-	.	-
Drive voltage	-	-	.	-	.	-	.	-	2	.	-
Number of auxiliary contacts	-	-	.	-	.	-	.	-	-	.	3
Proper marking	OWPS GE-B	18	.	20	.	1	.	M	2	.	3

TECHNICAL DATA

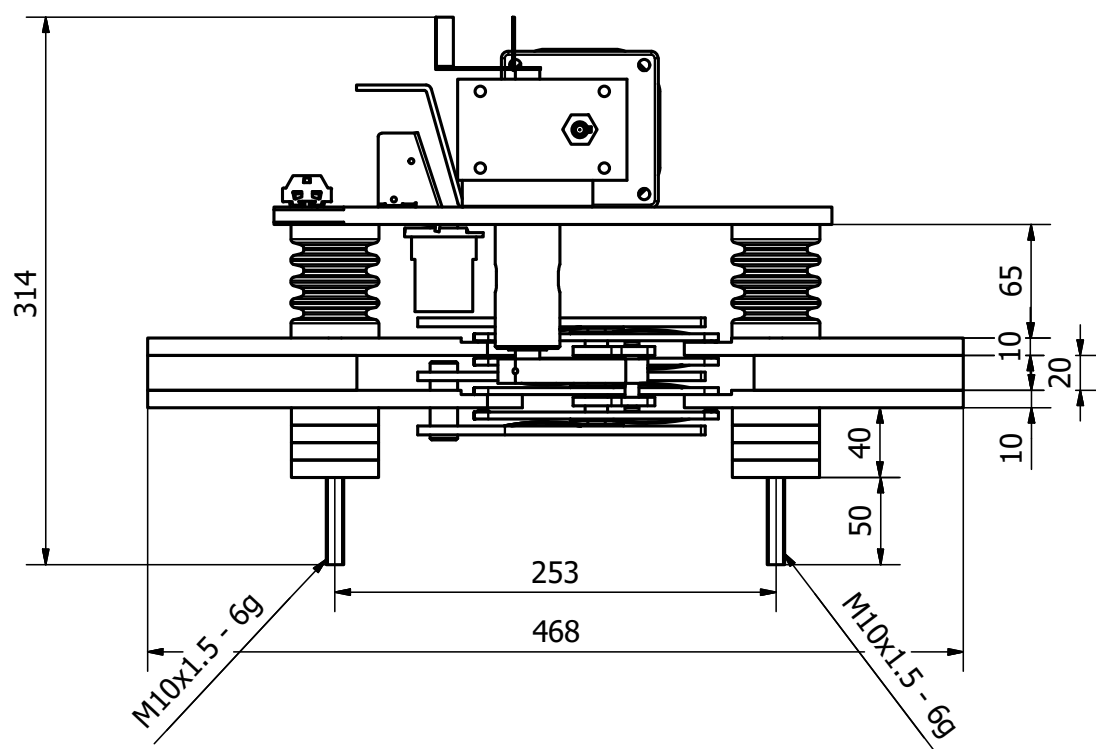
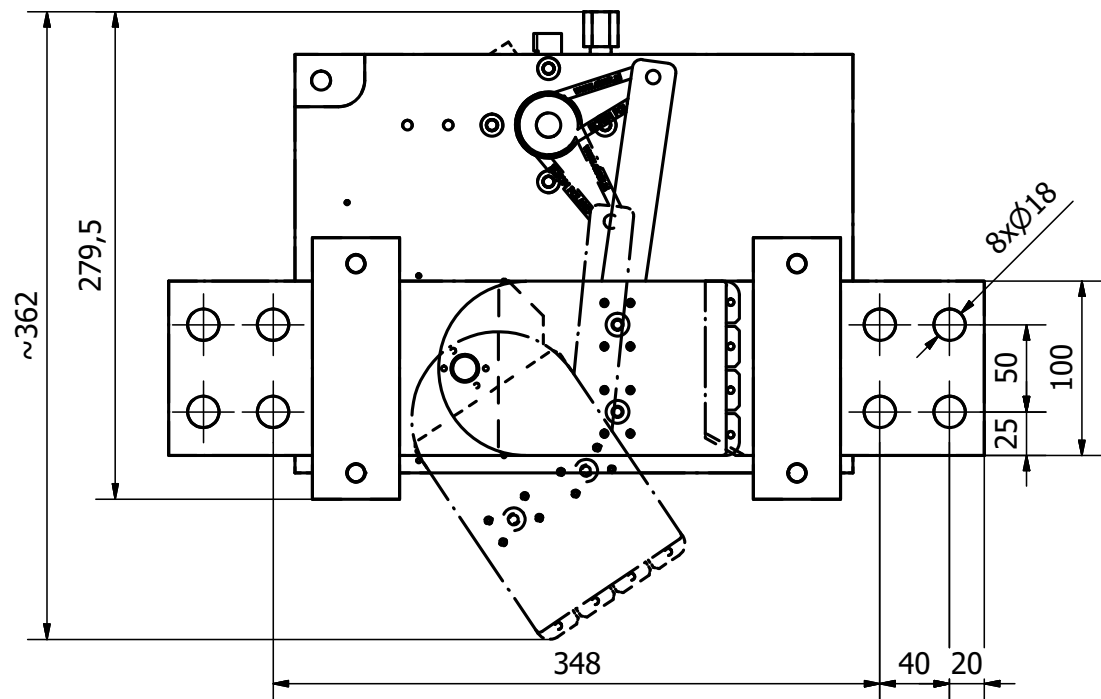
TYPE	DISCONNECTOR	OWPS GE-B
Rated voltage	1800 VDC	18
Thermal current in open air	2000 A	20
	2500 A	25
	4000 A	40
Number of poles	1	1
Drive	motor	M
Drive's voltage	24 VDC	1
	220 VDC	2
	230 VAC	3
Number of auxiliary contacts	3 NO + 3 NC	3
	6 NO + 6 NC	6

EXAMPLE OF ORDER

Indoor disconnecter OWPS GE-B 18.20.1.M.2:

» Indoor disconnecter, rated voltage 1,8 kV DC; rated current 2000 A, monopolar, with motor drive with operating voltage 220 V DC and with auxiliary contacts 3 NO + 3 NC

Due to technical reasons you can not combine some options and configuration in marking.



Dimensions of OWPS GE-B disconnector