

DC indoor disconnecter

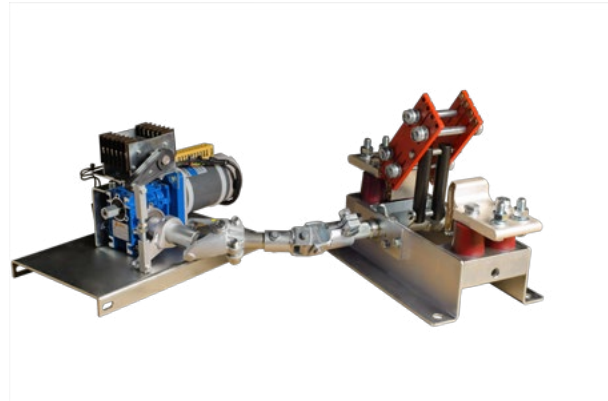
OWEL T 3-25 DC

APPLICATION

Indoor disconnectors are intended for closing and opening DC electric circuits which are not electrically energized. In the open position, they create a safe and visible insulating clearance.

ADVANTAGES

- » simple and modular structure allowing for configuration changes
- » the possibility of installing a drive with a sliding or rotary movement of the string
- » possibility to choose the side of the drive (left / right)
- » the possibility of installing the motor drive on the device
- » cooperation with NS-EL 30-03, NSP 3-04 motor drives
- » cooperation with manual drives NR1-01, NRW-4, NR3
- » silver contacts
- » operational reliability



CONSTRUCTION AND OPERATION

OWEL disconnectors have a secant design, intended for closing and opening unloaded circuits in industrial DC networks. The base is a steel frame, on the base there are post insulators on which the current track is built. The interpolar isolation is insulating clearance.

OWEL disconnectors can be driven with NS-EL 30-03, NSP 30-04 motor drives or NR-1, NRW-4 or NR-3 manual drives. The design of disconnectors allows for easy addition of earthing switches. The earthing switches can be placed on the side of the permanent unseparable contact (lower earthing switches) or on the side of the permanent separable contact (upper earthing switches). A disconnector with an integrated earthing switch (upper or lower) is equipped with a mechanical interlock ensuring the correct switching cycle (prevents the earthing switch from being closed when the current path of the disconnector is closed). On the base of the disconnector, there is an earthing terminal behind the M12x40 screw. Disconnectors can be equipped with an auxiliary switch coupled with the apparatus at the end of the shaft opposite to the drive. The device for a period of 1000 operations does not require spare parts.

TECHNICAL DATA

PARAMETER	OWEL T 3-25 DC
Rated continuous current	2500 A
Rated voltage	1 kV
Rated current 1 sec.	25 kA
Working temperature	-5°C up to +40°C
Weight	15 kg

DRIVE MOUNTED ON THE DISCONNECTOR

OWEL T 3-25 DC disconnectors can be equipped with an electric drive mounted directly on the apparatus drive shaft. Depending on the required motor supply voltage, the disconnectors equipped with the drive are marked as follows:

- » OWEL T 3-25 DC M24 for 24 VDC
- » OWEL T 3-25 DC M220 for 220 VDC

