

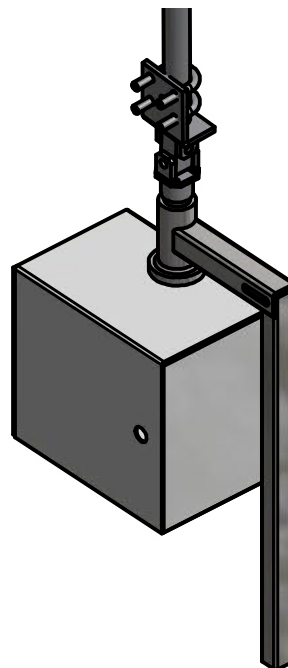
Outdoor manual drive NRO 110

APPLICATION

Manual drive NRO 110 is designed for closing and opening disconnectors with high voltage outdoor earthing switches with a 192° rotation angle for adjustment. The NRO 110 drive is dedicated for single-pole earthing switches of the transformer zero point.

ADVANTAGES

- » simple design
- » shortened duration of emergency shutdown
- » operating reliability
- » 2000 switching cycles
- » maintenance free
- » auxiliary switch for control and signalling circuits
- » anticorrosive protection of the casing through the use of aluminum sheet and painting



TECHNICAL DATA

PARAMETER	VALUE
Rated torque	350 Nm
Rotation angle of the main shaft	up to 192°
Blockade voltage	230 VAC / 220 VDC
Heater voltage	230 VAC / 220 VDC
Heater power	25 W
Rated switching capacity of the auxiliary switch	AC 230 V; 5 A DC 220 V; 0,25 A
Housing protection class	IP 54
Rated mechanical durability	2000 cycles
Weight	28 kg

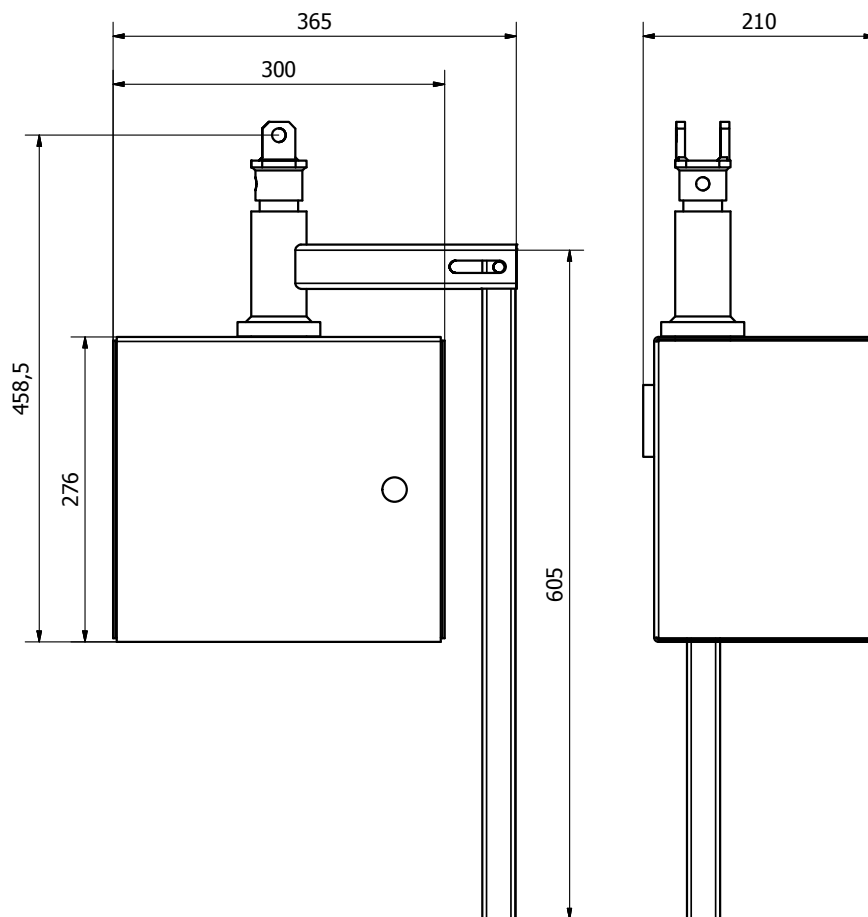
OPERATING CONDITIONS

The drives can be installed in outdoor switchgears under the following conditions:

PARAMETER	VALUE
Temperature	-40 up to +40°C
Air humidity	up to 100% at 20°C
Sea level altitude	up to 1000 m
Wind speed	up to 30 m/s

OPERATING

The drive is maneuvered by means of a lever which is locked in the end positions and locked by a padlock. During the entire operating phase of the drive, the shaft movement operates at the auxiliary contact, opening its normally-closed contacts, and then when the main shaft reaches the end position, the normally open contacts are closed.



Dimensions of NRO 110