

Humeral motor drive NSNr

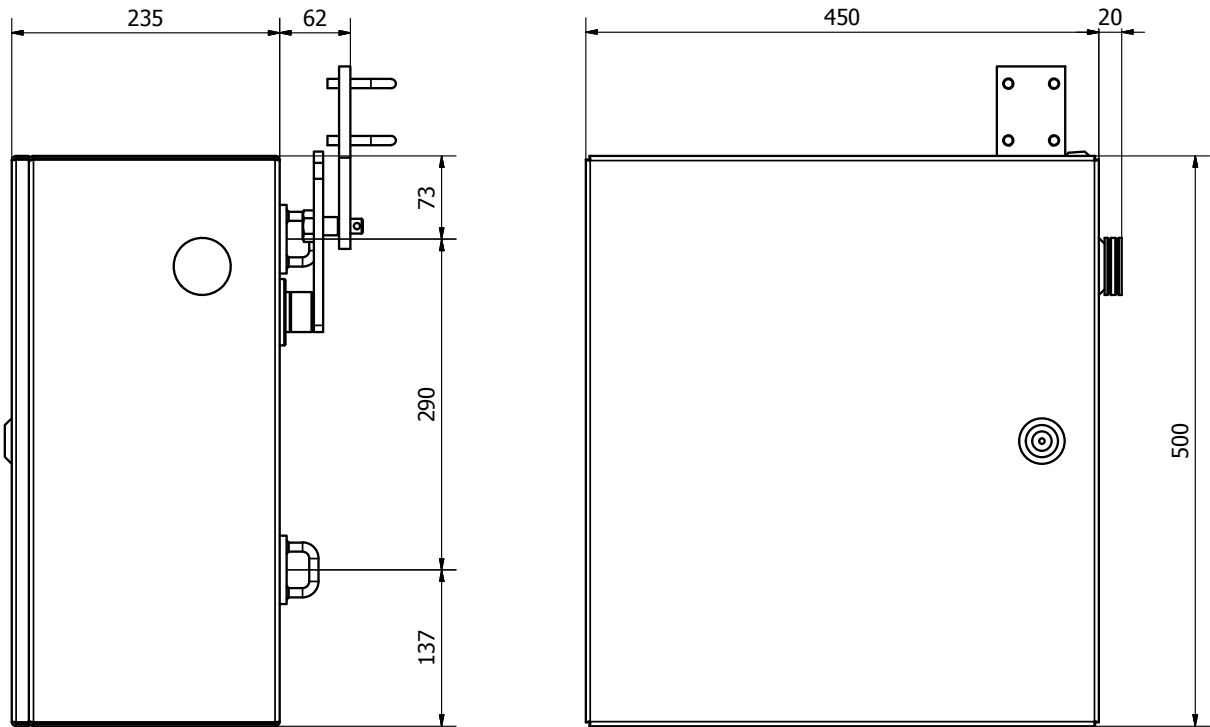
APPLICATION

Rotary motor drive NSNr is a device designed for quick maneuvering of the traction load break switch. It causes immediate disconnection and shortens the duration of the disconnectable arc. The drive is equipped with a permanent magnet motor and a worm gear. The device is adapted to manual and remote control, and is protected by a separation of power supply voltage. The drive enables opening and closing of the traction couplings through the sliding movement of the tubular tendon. It is characterized by high mechanical strength. The drive mechanism is located in a cabinet made of aluminum, powder coated. The drive is attached to the traction pole by means of suitable structures, is equipped with an isolation transformer to eliminate the way back to the electric shock current.

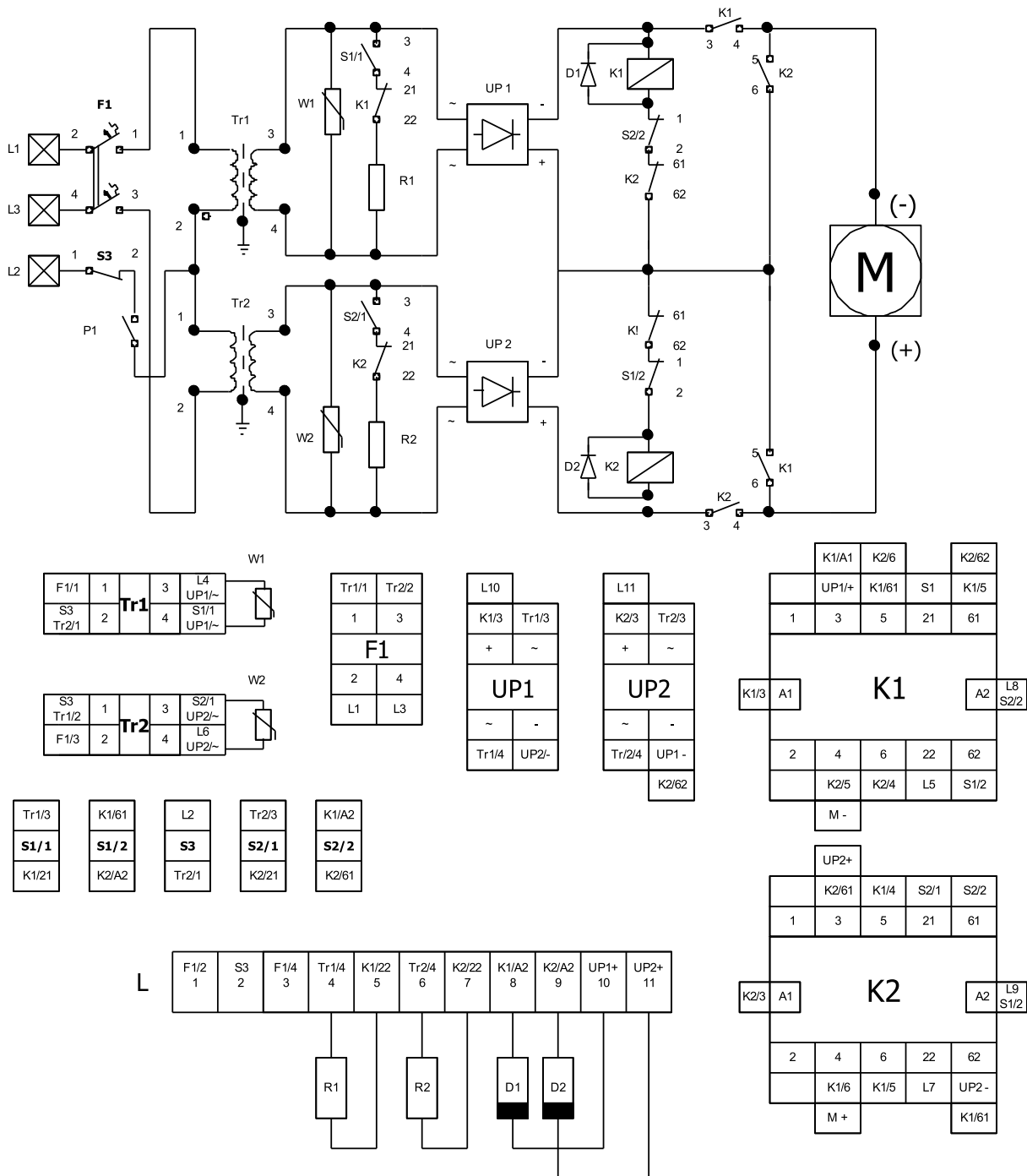


TECHNICAL DATA

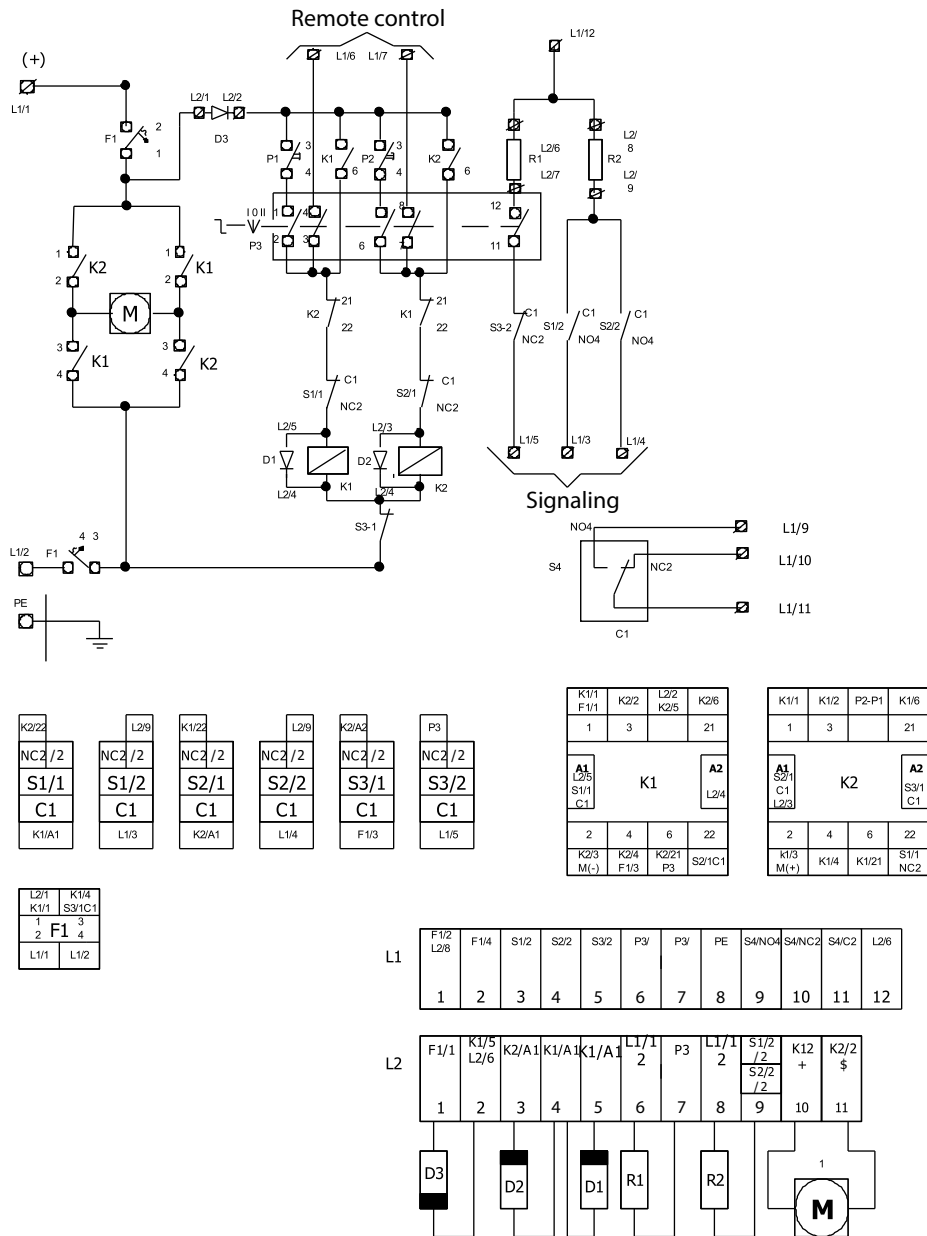
PARAMETER	VALUE	
Drive type	NSNr 03	NSNr 08
Rated supply voltage	24 / 110 / 220	
Average current consumed by a loaded drive	15 A / 4,1 A / 1,9 A	
Protection class	IP 55	
Average cycle time	1,5 s.	
Maximum stroke of the string connector	160 mm	
Maximum torque	120 / 220 Nm	
Dimensions	450 x 500 x 235 mm	
Weight	25 kg	45 kg



Dimensions of NSNr 03



Wiring diagram of NSNr with isolation



Wiring diagram of NSNr 24

S1	Connector "switch"	F1	Circuit breaker
S2	Connector "disconnect"	K1	Contactors "switch"
S3	Connector of locking system of the drive	K2	Contactors "disconnect"
S4	Connector of the drive's door (burglary)	D1, D2, D3	Rectifier diodes
P1	The button "to switch"	M	Motor 24 VDC 300 rpm
P2	The button "to disconnect"	R1, R2	Resistors 1 k Ω/5 W
P3	Control switch – local/ remote	L1, L2	Terminal strips