

The new generation of pole-reversal control units: Type 755 – short-circuit proof!

Device type:	755
Housing:	Rack
Protection system:	IP 20 for built-in type
Dimensions:	w: 142.5, h: 202.5, d: 136 mm
Weight:	approx. 2.8 kg
perm. temp. range:	0° C ... 40° C
Installation height:	max. 1000 mNN If installed at larger heights the possible output power is permissible output power according to EN 61000-6-2 EN 61000-6-4 use a shielded cable for connecting the magnet
EMC:	
Operating mode:	Continuous operation



Connection values:

Mains voltage:	230 V AC (+/- 10%)	(L1, N, PE)
Mains frequency:	50 / 60 Hz	
Input current:	depends on output power	
Start-up behaviour:	The transient current pulse is limited by automatic filter loading	

Connection values for various output voltages:

Device type	Magnetomotive force	max. nominal current magnet	Use for
755-EL24/6	24 V DC	6 A DC	Electromagnets (cont. current)
755-EL110/6	110 V DC	6 A DC	
755-EL220/6	220 V DC	6 A DC	
755-EP210/10	210 V DC EP	10 A DC	Elektro permanent magnets (pulsed operation)

Short-circuit behaviour: The pole-reversal control unit is short-circuit proof. In case of overload the output current is limited to the nominal current of the device. In case of short-circuit the device is switched off.

Input signals: Clamping signal (SPA IN)
Pole-reversal signal (UMP IN)
OFF signal (OFF IN)
Quitt signal connected with input „OFF IN“
4 inputs for holding force adjustment (HK 1 IN ... HK 4 IN)
RS 232 Interface for PC communication

Output signals: Magnet clamped signal (SPA OUT)
Pole reversal magnet signal (UMP OUT)
USG fault signal (Fault)
All output signals are available as potential-free contacts and 24V signals

Program selection: Use the decoding switch on the front panel to select up to 16 pole reversal programs. Use the RS 232 interface and the optional monitoring program to define a user-defined pole reversal program for up to 100 cycles.

Holding force levels: You can select between 6, 8 or 16 levels.
Use the optional monitoring program to change the level.

Accessories: A monitoring program (for Windows NT/2000/XP) for PC communication via RS 232 interface. This allows free configuration of all operational parameters (remote control can be implemented upon request).