

drive/brake controller ST0

Applications

- * human-electrical-interface
- * urban transportation vehicles, e.g. tram
- * setpoint master controller for railway applications: locomotives, track construction machines

Features

- * compact modular construction
- * design for series- and client-specific versions
- * long life design for high reliability, practically tested since years
- * open model for fitting in driver console
- * drive deliverable with momentary positions, notching positions or stepless, combinations possible
- * contact sequences according to customer requirements
- * standard-, T-, ball-, knob- or mushroom-handles with additional functions for deadman, horn,...
- * mechanical interlock of lever
- * different practically tested switching elements (cam operated):
 - * dependent positive action, forced brake
 - * independent positive (snap) action, forced brake
- * potentiometer, transmitter for potentiometer (current, voltage)
- * optoelectronic encoder with optoelectronic-system
- * CAN-Bus-interface, Profibus-DP-interface
- * resistant against ozone, UV-radiation

Technical data

- * rated insulation voltage U_i 60 V / 250 V respectively
- * with change-over microswiches (S870):

voltage	current: S800	S826
* AC15: $U_e = 230\text{ V-50/60 Hz}$	- $I_e = 1,5\text{ A}$	
* DC12: $U_e = 60\text{ V}$	- $I_e = 0,5\text{ A}$	
- * contact elements in IP40, IP60 or IP67
- * mechanical life time up to 10 mio. cycles
- * rated insulation voltage: 4 kV
- * pollution degree 3
- * with double contact elements:

rated operational voltage	-	rated operational current
* AC12: $U_e = 230\text{ V-50/60 Hz}$	-	$I_e = 16\text{ A}$
* AC15: $U_e = 230\text{ V-50/60 Hz}$	-	$I_e = 6\text{ A}$
* DC12: $U_e = 24\text{ V}$	-	$I_e = 1,7\text{ A}$
* DC13: $U_e = 24\text{ V}$	-	$I_e = 1,1\text{ A}$
- * mechanical life (drive) up to 6 mio. cycles
- * protection on front (DIN EN 60529) IP54
- * maximum lever deflection $\pm 37,5^\circ$
- * max. number of lever position 4-0-4
- * ambient temperature range $-20\text{ }^\circ\text{C} \dots +60\text{ }^\circ\text{C}$
- * regulations
 - * IEC60947-1, DIN EN 60947-1, VDE 0660 part 100
 - * IEC60947-5-1, DIN EN 60947-5-1, VDE 0660 part 200

