



Analog DC-Controller for DC-motors

Features:

fully controlled bridge circuit
floating control electronic
in case of tacho voltage control
in case of armature voltage control

Standard functions:

set-point voltage:

0-10 VDC / internal or external

set-point inputs: direct input

ramp function generator / return integrator separately adjustable

- Switchover from speed control to torque control
- Speed-monitor
- Internal and external current boundary control
- Blocking control
- BTB-message with relay contact



Type 1Q.230.15.1 single phase **5-15 A**

1-quadrant operation

230 VAC / 50-60 Hz, armature voltage 0-160 VDC, field 210 VDC

Type 4Q.230.15.1 single phase **5-15 A**

4-quadrant operation circular-current-free or circular current conducted

230 VAC / 50-60 Hz, armature voltage \pm 0-160 VDC, field 210 VDC

measurements: width x height x depth 98 x 245 x 178 mm

built-in form, protective type IP 20

Type 1Q.230/400.33 one/two phase(s) **16-33 A**

1-quadrant operation

230/400 VAC / 50-60 Hz, armature voltage 0-160/270 VDC, field 210/360 VDC

Type 4Q.230/400.33 one/two phase(s) **16-33 A**

4-quadrant operation circular-current-free or circular current conducted

230/400 VAC / 50-60 Hz, armature voltage \pm 0-160 /270 VDC, field 210/360 VDC

measurements: width x height x depth 110 x 295 x 215 mm

built-in form, protective type IP 20

Type 1Q.400.50 three phases **16-50 A**

1-quadrant operation

400 VAC / 50-60 Hz, armature voltage 0-440 VDC, field 210/360 VDC

Type 4Q.400.50 three phases **16-50 A**

4-quadrant operation circular-current-free or circular current conducted

400 VAC / 50-60 Hz, armature voltage \pm 0-400 VDC, field 210/360 VDC

measurements: width x height x depth 140 x 450 x 275 mm

built-in form, protective type IP 20