

Power Supply for AC-Servo

INFO-HCP



Technical Data

Supply Voltage

- 3 Phases 400 VAC

Intermediate Circuite

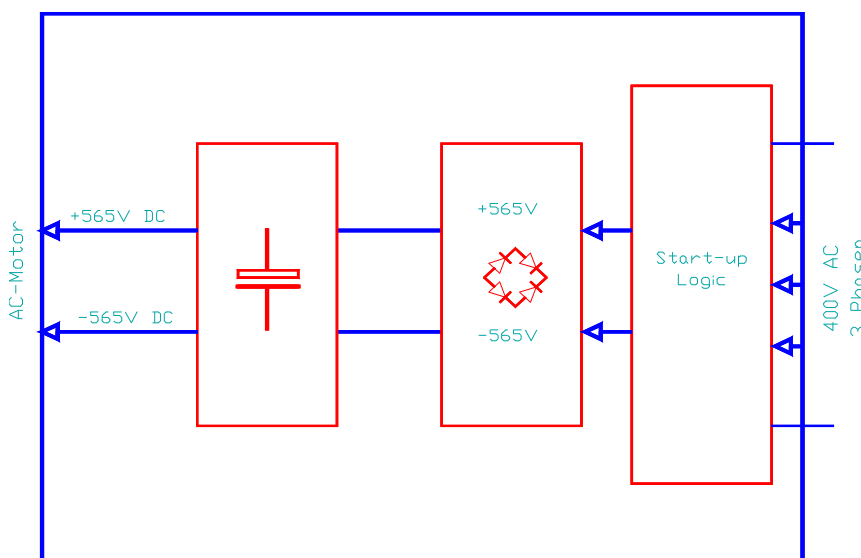
- 565VDC

Power

- 30A_{RMS} Permanent Current INFO-HCP_r
- 60A_{RMS} Permanent Current INFO-HCP_x

The card INFO-HCP_r and INFO-HCP_x supplies the INFO-HCS Servo-Controller. The controller need an interme-

mediate circuite of 565V. The card is protected against over temperature and over voltage.



Order No. INFO-HCP_r 609929400
Order No. INFO-HCP_x 609930300

INFO-HCP

Power Supply for AC-Servo

Function

Connections

Power supply

The power supply unit is designed for 400VAC 2-phase operation. The rectifier diodes can supply up to 30A or 60A continuous current. (Cooling is necessary!) The rack must be provided with a line filter immediately after the entry of the power supply.

Activation delay

The activation delay device (soft start) requires approx. 3s to load the 1540µF capacitors. Then, a relay contact bridges the loading resistor (PTC, 22Ω).

Controller enable

The motors are not allowed to draw current before elapse of a bridging time of 3s.

If the motors draw current before the relay has switched through, this may result in the destruction of the power supply unit!

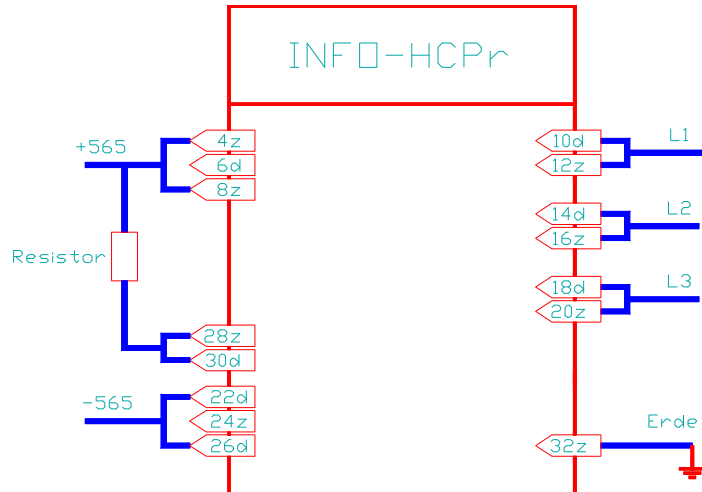
Braking resistor

If required, an additional braking resistor can be connected. There is NO braking resistor on board.

Cooling

A fan is needed to cool the power supply.

See also "Manual for AC-Servo Controllers".



	d	z
4		O + 565 V
6	O + 565 V	
8		O + 565 V
10	I L1	
12		I L1
14	I L2	
16		I L2
18	I L3	
20		I L3
22	O - 565 V	
24		O - 565 V
26	O - 565 V	
28		O Brake
30	O Brake	
32		O Ground

Connector 2

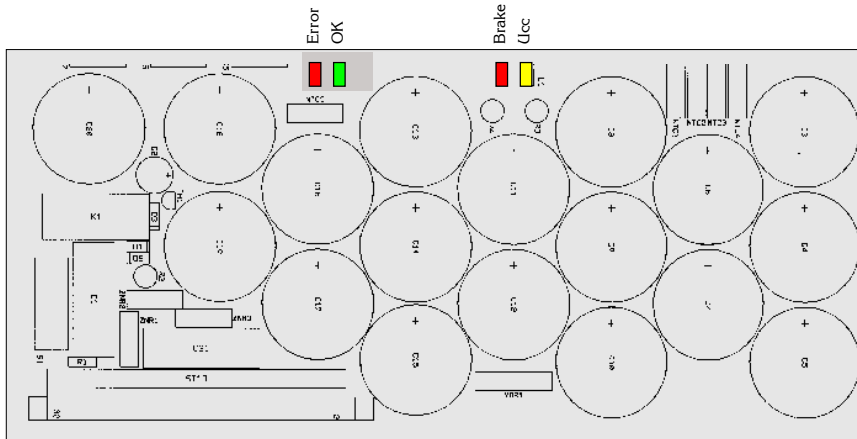
angled
DIN41612, Type H-15
6,3mm pins

Power Supply for AC-Servo

INFO-HCP

Assembly

Specifications



Supply voltage

- 400VAC, 3-phase, $\pm 10\%$
TT-net and TN-net with grounded center point

Climatic conditions

- Ambient temperature:
Storage: $-20...+80^{\circ}\text{C}$
Operation: $0...+45^{\circ}\text{C}$
- Board temperature:
Operation: $0...+70^{\circ}\text{C}$
- Relative air humidity
No condensation: 80%
- protection type: IP-20
- Pollution degree: 2 (EN50178)

U_{CC} (LED yellow)

Intermediate circuit (U_{CC} (565VDC)).

Braking resistor(LED red)

Braking resistor turned on.

OK (LED green)

All 3 phases ok, loading resistors are shortened by the relay.

Error (LED red)

Phase error.

Important!

Controller and power supply must be plugged in or out only if the power is off and the yellow U_{CC} LED is turned off.

Intermediate circuit voltage

- 565VDC

Power

- 30A_{RMS} Permanent Current
INFO-HCP_r
- 60A_{RMS} Permanent Current
INFO-HCP_x

Braking resistor

- Braking resistor 30A $> 30\Omega$
- Braking resistor 60A $> 15\Omega$

Fuzes

- The primary fuze of the power supply unit must be maximum 24A INFO-HCP_r, 40A INFO-HCP_x.

Dimensions

- Dimensions: (DxHxW;SE)
30A 100 x 234 x 71 mm; 14 SE
60A **160** x 234 x 81 mm; 16 SE