

Relative negative tolerance / of the control supply voltage / for DC	%	-15
Relative positive tolerance / of the control supply voltage / for DC	%	10
Type of display / for fault signal		red

Mechanical design:

Size of the engine control device		S0
Width	mm	45
Height	mm	125
Depth	mm	155
Type of mounting		screw and snap-on mounting
mounting position		With additional fan: With vertical mounting surface +/- 90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back Without additional fan: With vertical mounting surface +/- 10° rotatable, with vertical mounting surface +/- 10° t
Distance, to be maintained, to the ranks assembly		
• upwards	mm	60
• sideways	mm	15
• downwards	mm	40
Installation altitude / at a height over sea level	m	5,000
Cable length / maximum	m	300
Number of poles / for main current circuit		3

Electrical connections:

Design of the electrical connection		
• for main current circuit		screw-type terminals
• for auxiliary and control current circuit		screw-type terminals
Number of NC contacts / for auxiliary contacts		0
Number of NO contacts / for auxiliary contacts		2
Number of change-over switches / for auxiliary contacts		1
Type of the connectable conductor cross-section / for main contacts / for box terminal / when using the front clamping point		
• solid		2x (1.5 ... 2.5 mm ²), 2x (2.5 ... 6 mm ²), max. 1x 10 mm ²
• finely stranded / with conductor end processing		2x (1.5 ... 2.5 mm ²), 2x (2.5 ... 6 mm ²)
Type of the connectable conductor cross-section / for AWG conductors / for main contacts / for box terminal		
• when using the front c		1x 8, 2x (16 ... 10)
Type of the connectable conductor cross-section		
• for auxiliary contacts		
• solid		2x (0.5 ... 2.5 mm ²)

- finely stranded / with conductor end processing
- for AWG conductors / for auxiliary contacts
- finely stranded / with wire end proc

2x (0.5 ... 1.5 mm²)
 2x (20 ... 14)
 2x (20 ... 16)

Ambient conditions:

Ambient temperature

- during operating
- during storage

°C -25 ... +60
 °C -40 ... +80

Derating temperature

°C 40

Protection class IP

IP20

Certificates/approvals:

General Product Approval

EMC

For use in hazardous locations



CCC



CSA



GOST



UL



C-TICK



ATEX

Test Certificates

Shipping Approval

other

[Type Test Certificates/Test Report](#)



GL



LRS



PRS

[Declaration of Conformity](#)

[Environmental Confirmations](#)

UL/CSA ratings

yielded mechanical performance (hp) / for three-phase squirrel cage motors

- at 220/230 V / at standard circuit
 - at 50 °C / rated v alue
- at 460/480 V / at standard circuit
 - at 50 °C / rated v alue

hp 3

hp 7.5

Contact rating designation / for auxiliary contacts / according to UL

B300 / R300

Further information:

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

<http://www.siemens.com/industrial-controls/mall>

CAX-Online-Generator

<http://www.siemens.com/cax>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<http://support.automation.siemens.com/WW/view/en/3RW4024-1BB14/all>