

Base unit with F-DI for ET 200SP motor starter with infeed 500 V including cover infeed bus



Product brand name	SIMATIC
Product category	Accessories
Product designation	BaseUnit
Design of the product	For AC infeed, F-DI
Product type designation	ET 200SP

General technical data	
Insulation voltage	
• rated value	500 V
Degree of pollution	2
Surge voltage resistance rated value	6 kV
maximum permissible voltage for safe isolation	
• between main and auxiliary circuit	500 V
Protection class IP	IP20
Shock resistance	6g / 11 ms
Protection against electrical shock	finger-safe

Main circuit	
Number of poles for main current circuit	3
Type of voltage of the operating voltage	AC
Operating voltage	

• rated value	500 V
Operating current	
• at AC at 400 V rated value	32 A; Derating, see Manual
Inputs/ Outputs	
Number of digital inputs	1
Input voltage at digital input	
• at DC rated value	24 V
• with signal <0> at DC	0 ... 5 V
• for signal <1> at DC	15 ... 30
Supply voltage	
Type of voltage of the supply voltage	DC
Supply voltage 1 at DC rated value	24 V
• minimum permissible	20.4 V
• maximum permissible	28.8 V
Installation/ mounting/ dimensions	
Mounting position	vertical, horizontal, flat
• (mounting type)	standard rail
Height	215 mm
Width	30 mm
Depth	75 mm
Required spacing	
• with side-by-side mounting	
— upwards	50 mm
— downwards	50 mm
Ambient conditions	
Installation altitude at height above sea level	
• maximum	2 000 m; For derating see manual
Ambient temperature	
• during operation	-25 ... +60 °C
• during operation maximum	For derating see manual
• during storage	-40 ... +70 °C
• during transport	-40 ... +70 °C
Environmental category during operation acc. to IEC 60721	3K6 (no formation of ice, no condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices)
Relative humidity during operation	10 ... 95 %
Air pressure	
• acc. to SN 31205	900 ... 1 060 hPa
Connections/Terminals	
Type of electrical connection	
• for main current circuit	PUSH-IN connection (spring-loaded connection)

• for auxiliary and control current circuit	PUSH-IN connection (spring-loaded connection)
Type of connectable conductor cross-sections for supply	
• solid	1x 1 ... 6 mm ²
• finely stranded without core end processing	1x 1 ... 6 mm ²
• finely stranded with core end processing	1x 1 ... 6 mm ²
Type of connectable conductor cross-sections	
• at AWG conductors for supply	1x 18 ... 10
Type of connectable conductor cross-sections for load-side outgoing feeder	
• solid	1x 0,5 ... 2,5 mm ²
• finely stranded without core end processing	1x 0,5 ... 2,5 mm ²
• finely stranded with core end processing	1x 0,5 ... 2,5 mm ²
Type of connectable conductor cross-sections at AWG conductors for load-side outgoing feeder	1x 20 ... 12
Connectable conductor cross-section at DC input	
• single or multi-stranded	0.5 ... 2.5 mm ²
• finely stranded without core end processing	0.5 ... 2.5 mm ²
• finely stranded with core end processing	0.5 ... 2.5 mm ²
AWG number at DC input as coded connectable conductor cross section	20 ... 12
Shape of the screwdriver tip	Slot
Size of the screwdriver tip	Standard screwdriver 0.6 mm x 3.5 mm

Certificates/approvals

General Product Approval	EMC	Declaration of Conformity	Test Certificates	Marine / Shipping
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[Miscellaneous](#)

[Type Test Certificates/Test Report](#)



ABS

Marine / Shipping	other
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LRS



DNVGL.COM/AF

[Confirmation](#)

Further information

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

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

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK1908-0AP00-0EP0>

Cax online generator

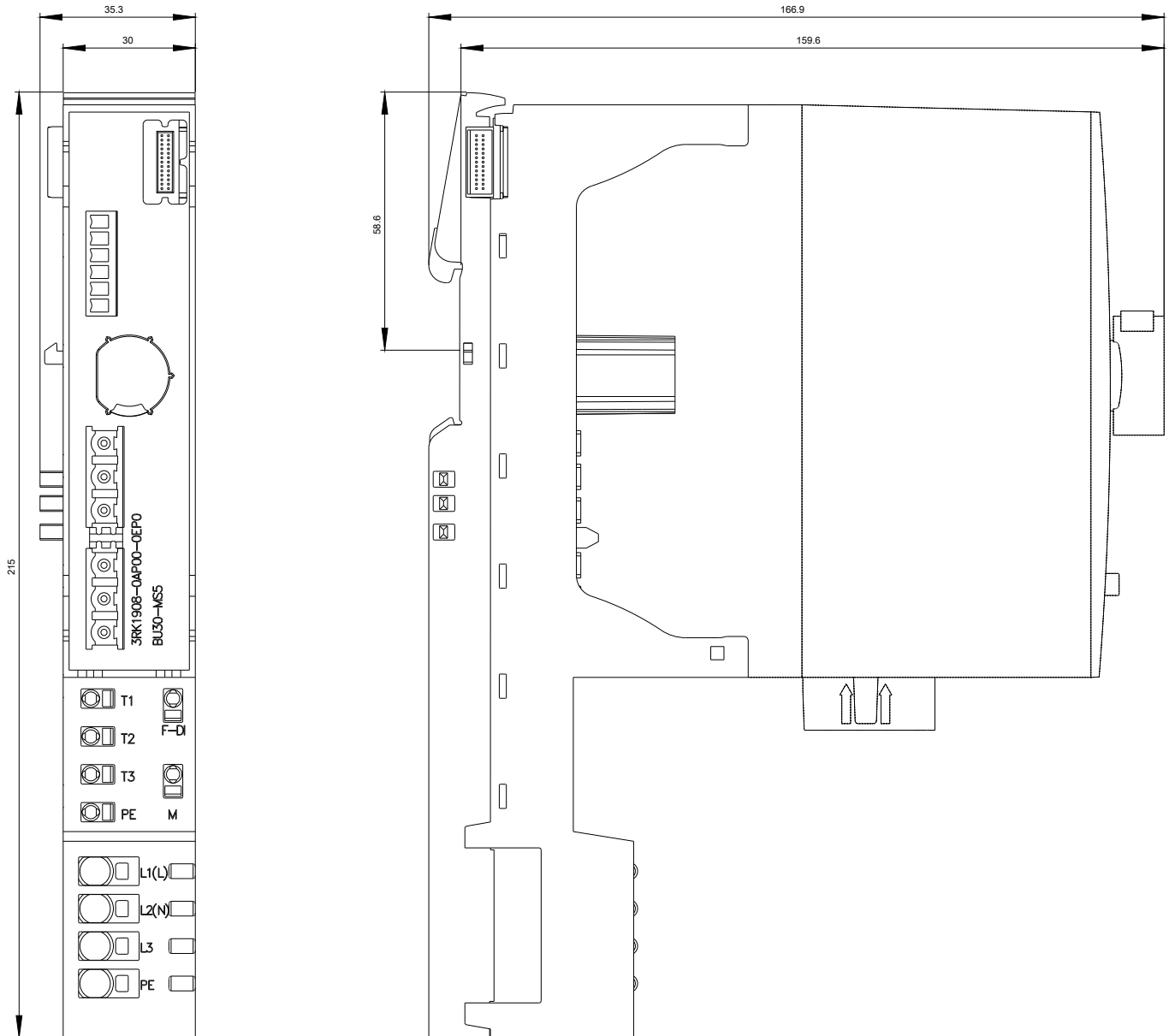
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1908-0AP00-0EP0>

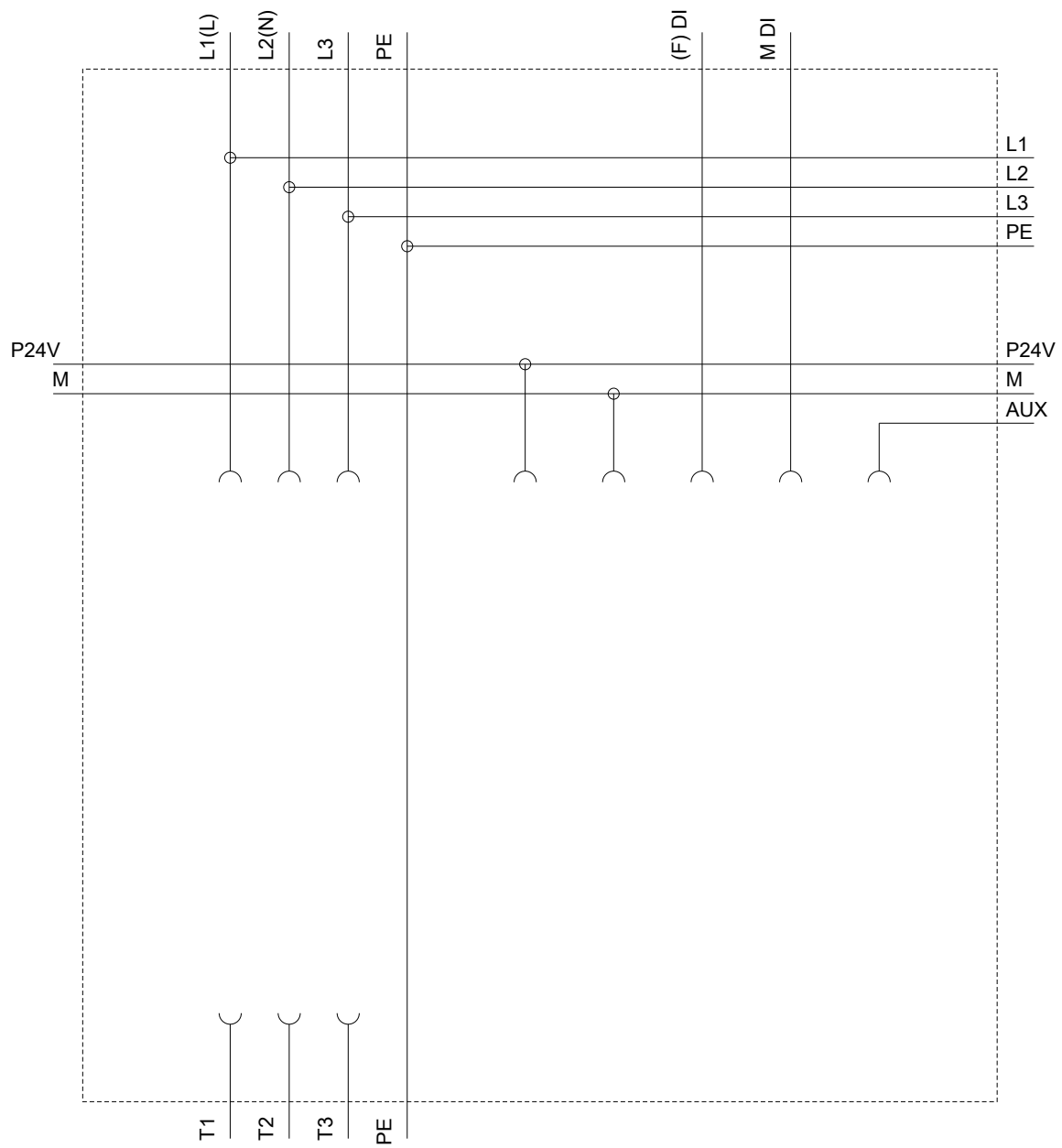
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3RK1908-0AP00-0EP0>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1908-0AP00-0EP0&lang=en





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