



Base unit (BU30-MS5) with F-DI For ET 200SP motor starter With infeed 500 V Incl. infeed bus cover

product brand name	SIMATIC
product category	Accessories
product designation	BaseUnit
design of the product	with AC infeed, with F-DI
product type designation	ET 200SP
<b>General technical data</b>	
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
shock resistance	6g / 11 ms
vibration resistance	15 mm to 6 Hz; 2g to 500 Hz
reference code acc. to IEC 81346-2	Q
Substance Prohibance (Date)	15.04.2016 00:00:00
<b>Safety related data</b>	
protection class IP on the front acc. to IEC 60529	IP20
touch protection on the front acc. to IEC 60529	finger-safe
<b>Main circuit</b>	
number of poles for main current circuit	3
type of voltage of the operating voltage	AC
operating voltage rated value	500 V
operating voltage of AC supply	500 V
operational current at AC at 400 V rated value	32 A; Derating, see Manual
<b>Inputs/ Outputs</b>	
number of digital inputs	1
type of input characteristic	Type 1 in accordance with EN 61131-2
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
<b>Supply voltage</b>	
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
ampacity maximum	7 A

Installation/ mounting/ dimensions				
mounting position		vertical, horizontal		
fastening method		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		4 000 m; For derating see manual		
ambient temperature				
• during operation		-25 ... +60 °C; 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		spring-loaded terminals (push-in)		
• for auxiliary and control circuit		spring-loaded terminals (push-in)		
type of connecting terminal		Push-in terminal		
type of connectable conductor cross-sections for supply				
• solid		1x 1 ... 6 mm²		
• finely stranded without core end processing		1x 1 ... 6 mm²		
• finely stranded with core end processing		1x 1 ... 6 mm²		
type of connectable conductor cross-sections				
• at AWG cables for supply		1x 18 ... 10		
type of connectable conductor cross-sections for load-side outgoing feeder				
• solid		1x 0,5 ... 2,5 mm²		
• finely stranded without core end processing		1x 0,5 ... 2,5 mm²		
• finely stranded with core end processing		1x 0,5 ... 2,5 mm²		
type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder		1x 20 ... 12		
connectable conductor cross-section at DC input				
• single or multi-stranded		0.5 ... 2.5 mm²		
• finely stranded without core end processing		0.5 ... 2.5 mm²		
• finely stranded with core end processing		0.5 ... 2.5 mm²		
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



[Miscellaneous](#)

[Type Test Certificates/Test Report](#)



Marine / Shipping

other

## Further information

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

<https://www.siemens.com/ic10>

Industry Mall (Online ordering system)

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

Cax online generator

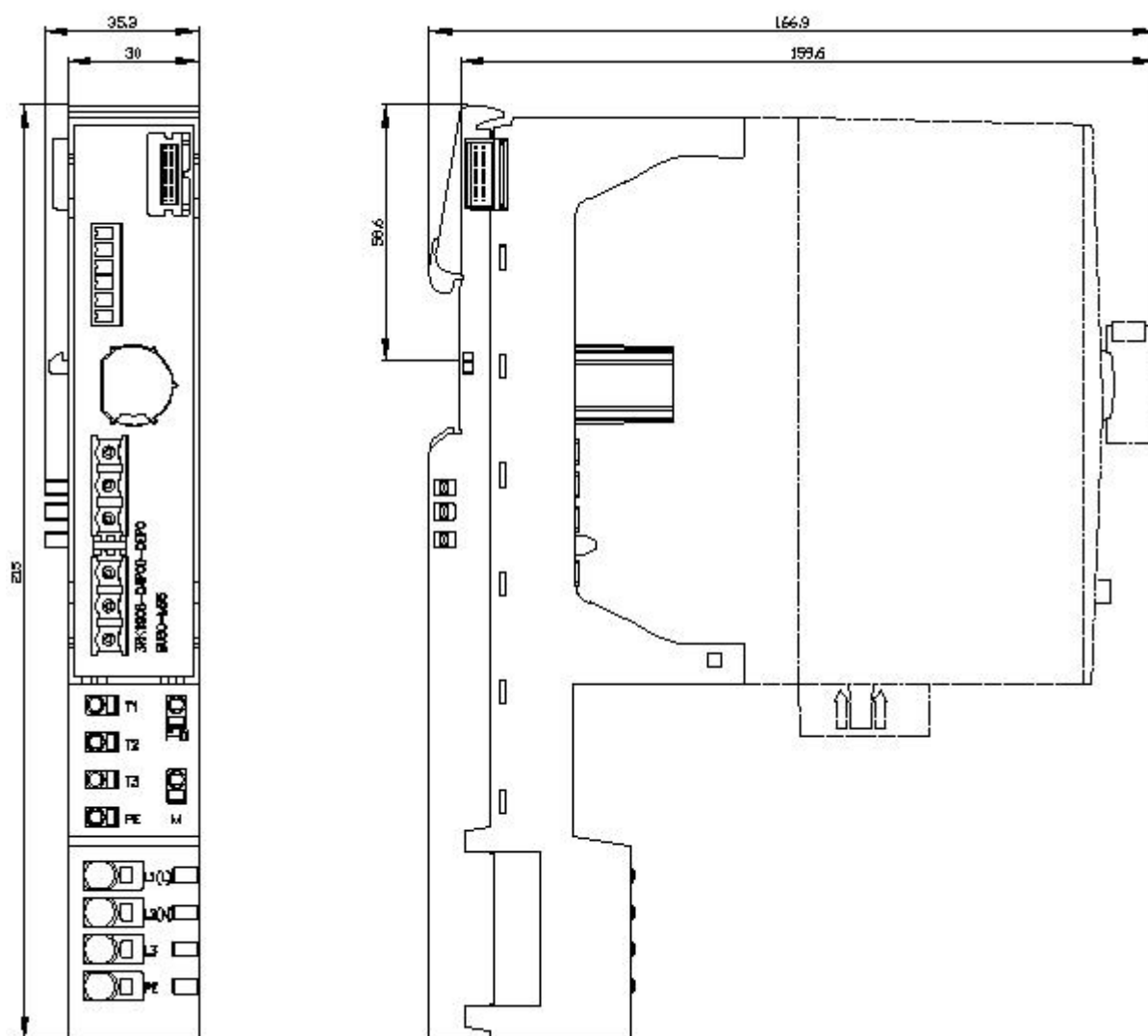
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1908-0AP00-0EP0>

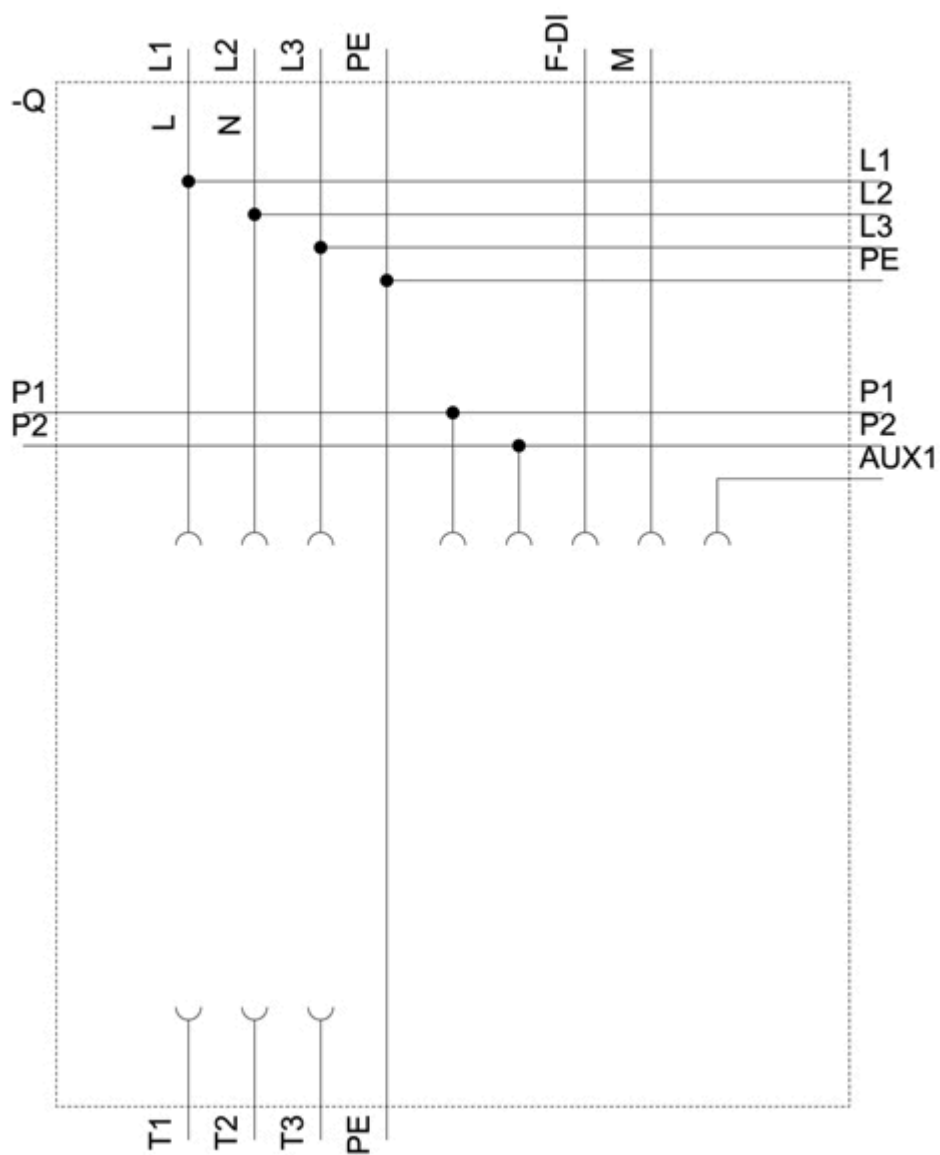
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

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





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2/12/2021 