## Data sheet 3RK1908-0AP00-0GP0



Base unit (BU30-MS7) With F-DI infeed For ET 200SP motor starter With infeed 500 V Incl. infeed bus cover

product brand name product designation Accessories product designation BaseUnit design of the product product type designation ET 200SP  Ceneral technical data Insulation voltage rated value degree of pollution 2 surge voltage resistance rated value 6 kV maximum permissible voltage for protective separation between main and auxiliary circuit 500 V shock resistance 15 mm to 6 Hz; 2g to 500 Hz reference code according to IEC 81346-2 Q Substance Prohibitance (Dato) SVHC substance name Lead monoxide (lead oxide) - 1317-36-9 Weight 170 g Electrical Safety protection class IP on the front according to IEC 60529 Inger-safe Main circuit 1 mumber of poles for main current circuit 1 type of voltage of the operating voltage 1 your perational current at AC at 400 V rated value 1 with signal <0- at 100 V subply voltage 1 to reside at 32 A; Derating, see Manual 1 Inputs Outputs 1 type of voltage of the supply voltage 1 voltage of the supply voltage 1 voltage of the supply voltage 1 voltage of the supply voltage 2 voltage of the supply voltage 3 voltage of the supply voltage 4 voltage of the supply voltage 5 voltage of	neaduat brand nama	CIMATIC
product designation		
design of the product product type designation ET 200SP  General technical data  Insulation voltage rated value degree of politution 2 surge voltage resistance rated value 6 kV maximum permissible voltage for protective separation • between main and auxiliary circuit 500 V shock resistance 0 fg /11 ms vibration resistance 15 mm to 6 Hz; 2g to 500 Hz reference code according to IEC 81346-2 Qu Substance Prohibitance (Date) Welght 170 g Electrical Safety protection class IP on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 If inger-safe Main circuit number of poles for main current circuit 1ype of voltage of the operating voltage operating voltage rated value maximum 500 V operating voltage of AC supply operational current at AC at 400 V rated value 1 pauts/Outputs  number of digital input • at DC rated value • with signal <0> at DC • for signal <1> at DC supply voltage 1 at DC supply voltage 1 at DC supply voltage 1 at DC supply voltage of the supply voltage 2 voltage of the supply voltage 1 voltage of the supply voltage 1 voltage of the supply voltage 1 voltage of the supply voltage 2 voltage of the supply voltage 2 voltage of the supply voltage 3 voltage of the supply voltage 4 voltage of the supply voltage 5 volta		
product type designation ET 200SP  General technical data  Insulation voltage rated value  degree of pollution  2 surge voltage resistance rated value  • between main and auxiliary circuit  shock resistance  • between main and auxiliary circuit  shock resistance  • between main and auxiliary circuit  shock resistance  15 mm to 6 Hz; 2g to 500 Hz  reference code according to IEC 81348-2  Q  Substance Prohibitance (Date)  SVHC substance Prohibitance (Date)  Velight  170 g  Electrical Safety  protection class IP on the front according to IEC 60529  finger-safe  Main circuit  number of poles for main current circuit  type of voltage of the operating voltage  operating voltage of the Operating voltage  operating voltage of AC supply  operating voltage of AC at 400 V rated value  inputs/Outputs  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  • with signal <0- at DC  • for signal <1-> at DC  supply voltage  supply voltage  unimum permissible  • maximum permissible  a 28 N  and CA  supply voltage 1 at DC rated value  • minimum permissible  • maximum permissible  a 28 N  and CA  supply woximum  7 A		
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surge voltage resistance rated value maximum permissible voltage for protective separation  • between main and auxiliary circuit  \$00 V  shock resistance  \$6g / 11 ms  vibration resistance  reference code according to IEC 81346-2  Q  Substance Prohibitance (Date)  \$VHC substance name  Lead monoxide (lead oxide) - 1317-36-8  Weight  170 g  Electrical Safety protection class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529  touch protection on the front according to IEC 60529  finger-safe  Main circuit  number of poles for main current circuit  3 type of voltage of the operating voltage  operating voltage rated value maximum  operating voltage rated value maximum  500 V  operational current at AC at 400 V rated value  Inputs/ Outputs  number of digital inputs  type of input characteristic  input voltage at digital input  • at DC rated value  • with signal <0> at DC  • for signal <1> at DC  • with signal <0> at DC  • with signal <0> at DC  • for signal <1> at DC  • maximum permissible		
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between main and auxiliary circuit  shock resistance  (50 V)  shock resistance  (50 V)  reference code according to IEC 81346-2  Q  Substance Prohibitance (Date)  SVHC substance name  Lead monoxide (lead oxide) - 1317-36-8  Weight  170 g  Electrical Safety  protection class IP on the front according to IEC 60529  finger-safe  Main circuit  number of poles for main current circuit  type of voltage of the operating voltage operating voltage rated value maximum  operating voltage rated value maximum  special inputs  (Outputs  number of digital inputs  type of input characteristic input voltage at digital input  • at DC rated value • with signal <0-> at DC • for signal <1-> at DC supply voltage  type of voltage of the supply voltage  type of voltage of the supply  • with signal <0-> at DC • for signal <1-> at DC supply voltage  type of voltage of the supply voltage  voltage of the supply voltage  type of voltage of the supply voltage  supply voltage 1 at DC rated value  • maximum permissible  • 28.8 V  • maximum permissible  • maximum permissible  • 28.8 V		6 kV
shock resistance 6g / 11 ms vibration resistance 15 mm to 6 Hz; 2g to 500 Hz reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 04/15/2016 SVHC substance name Lead monoxide (lead oxide) - 1317-36-8 Weight 170 g Electrical Safety protection class IP on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 finger-safe  Main circuit number of poles for main current circuit 3 type of voltage of the operating voltage AC operating voltage rated value maximum 5500 V operational current at AC at 400 V rated value 32 A; Derating, see Manual Inputs/ Outputs 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 • for signal <1> at DC supply voltage type of voltage of the supply voltage  DC supply voltage 1 DC • for signal <1> at DC • for signal <1> at DC • rated value • maximum permissible		
vibration resistance 15 mm to 6 Hz; 2g to 500 Hz  reference code according to IEC 81346-2 Q  Substance Prohibitance (Date) 04/15/2016  SVHC substance name Lead monoxide (lead oxide) - 1317-36-8  Weight 170 g  Electrical Safety protection class IP on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 finger-safe  Main circuit number of poles for main current circuit 3 type of voltage of the operating voltage AC operating voltage at alue maximum 500 V operating voltage of AC supply 500 V operational current at AC at 400 V rated value 32 A; Derating, see Manual Imputs/ Outputs 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 • for signal <1> at DC  supply voltage  type of voltage of the supply voltage DC supply voltage 1 at DC rated value 24 V • minimum permissible 24 V • maximum permissible 28.8 V ampacity maximum 7 A	<u>·</u>	
reference code according to IEC 81346-2  Substance Prohibitance (Date)  SVHC substance name  Lead monoxide (lead oxide) - 1317-36-8  Weight  170 g  Electrical Safety  protection class IP on the front according to IEC 60529  IP20  touch protection on the front according to IEC 60529  Main circuit  number of poles for main current circuit  1 type of voltage of the operating voltage operating voltage and value maximum  500 V operating voltage of AC supply operational current at AC at 400 V rated value  24 V  with signal <0> at DC rated value with signal <0> at DC  for signal <1> at DC  supply voltage  type of voltage of the supply voltage  type of voltage of the supply voltage  24 V  minimum permissible  28.8 V  ampacity maximum  7 A		
Substance Prohibitance (Date)  SVHC substance name  Lead monoxide (lead oxide) - 1317-36-8  Weight  170 g  Electrical Safety protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529  Main circuit  number of poles for main current circuit 3 type of voltage of the operating voltage AC operating voltage rated value maximum 500 V operating voltage of AC supply operational current aAC at 400 V rated value  Inputs/ Outputs  number of digital inputs 1 type of input characteristic Input voltage at digital input • at DC rated value • with signal <0> at DC • for signal <1> at DC  supply voltage  type of voltage of the supply voltage  DC  supply voltage 1 at DC rated value • minimum permissible • maximum permissible • calcal accordance with experiments  1 calcal accordance with experiments  1 calcal accordance with experiments  24 V • minimum permissible • 20.4 V • maximum permissible • 28.8 V  ampacity maximum  7 A		
SVHC substance name  Lead monoxide (lead oxide) - 1317-36-8  Weight  170 g  Electrical Safety  protection class IP on the front according to IEC 60529 IP20  touch protection on the front according to IEC 60529 finger-safe  Main circuit  number of poles for main current circuit 3  type of voltage of the operating voltage AC operating voltage rated value maximum 500 V operating voltage of AC supply 500 V operating voltage of AC at 400 V rated value 32 A; Derating, see Manual  Inputs/ Outputs  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 • for signal <1> at DC  supply voltage  type of voltage of the supply voltage  DC  supply voltage 1 DC rated value • minimum permissible 28.8 V  ampacity maximum 7 A		
Weight   170 g	Substance Prohibitance (Date)	
Electrical Safety  protection class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529  Main circuit  number of poles for main current circuit	SVHC substance name	Lead monoxide (lead oxide) - 1317-36-8
protection class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529  Main circuit  number of poles for main current circuit  type of voltage of the operating voltage  operating voltage rated value maximum  operating voltage at at 400 V rated value  inputs/ Outputs  number of digital inputs  type of input characteristic  input voltage at digital input  at DC rated value  with signal <0> at DC  of or signal <1> at DC  supply voltage  type of voltage of the supply voltage  type of voltage of the supply voltage  type of voltage at 1 DC rated value  minimum permissible  minimum permissible  maximum permissible  28.8 V  ampacity maximum  7 A	Weight	170 g
touch protection on the front according to IEC 60529  Main circuit  number of poles for main current circuit  type of voltage of the operating voltage  Operating voltage of the operating voltage  Operating voltage of AC supply  Operating voltage of AC at 400 V rated value  Inputs/ Outputs  number of digital inputs  1  type of input characteristic  Input voltage at digital input  • at DC rated value  • with signal <0> at DC  • for signal <1> at DC  • for signal <1> at DC  Supply voltage  type of voltage of the supply voltage  type of voltage of the supply voltage  o minimum permissible  • maximum permissible  • maximum permissible  28.8 V  ampacity maximum	Electrical Safety	
Main circuit       number of poles for main current circuit     3       type of voltage of the operating voltage     AC       operating voltage rated value maximum     500 V       operating voltage of AC supply     500 V       operational current at AC at 400 V rated value     32 A; Derating, see Manual       Inputs/ Outputs     1       number of digital inputs     1       type of input characteristic     Type 1 in accordance with EN 61131-2       input voltage at digital input     24 V       • at DC rated value     24 V       • with signal <0> at DC     0 5 V       • for signal <1> at DC     15 30       Supply voltage     DC       supply 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	protection class IP on the front according to IEC 60529	IP20
number of poles for main current circuit     3       type of voltage of the operating voltage     AC       operating voltage rated value maximum     500 V       operating voltage of AC supply     500 V       operational current at AC at 400 V rated value     32 A; Derating, see Manual       Inputs/ Outputs     1       number of digital inputs     1       type of input characteristic     Type 1 in accordance with EN 61131-2       input voltage at digital input     24 V       • at DC rated value     24 V       • with signal <0> at DC     0 5 V       • for signal <1> at DC     15 30       Supply voltage     DC       supply 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	touch protection on the front according to IEC 60529	finger-safe
type of voltage of the operating voltage operating voltage rated value maximum operating voltage of AC supply operating voltage of AC supply operational current at AC at 400 V rated value  Inputs/ Outputs  number of digital inputs type of input characteristic input voltage at digital input  • at DC rated value • with signal <0> at DC • for signal <1> at DC  Supply voltage  type of voltage of the supply voltage  type of voltage of the supply voltage  type of voltage of the supply voltage  e minimum permissible • maximum permissible • maximum permissible ampacity maximum  AC  Supply voltage of the supply voltage ampacity maximum  AC  Supply voltage of the supply voltage ampacity maximum  AC  Supply voltage of the supply voltage  Suppl	Main circuit	
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operating voltage of AC supply operational current at AC at 400 V rated value  Inputs/ Outputs  number of digital inputs  type of input characteristic input voltage at digital input  • at DC rated value • with signal <0> at DC • for signal <1> at DC  Supply voltage  type of voltage of the supply voltage  type of voltage of the supply voltage  supply voltage 1 at DC rated value • minimum permissible • maximum permissible 28.8 V  ampacity maximum	type of voltage of the operating voltage	AC
operational current at AC at 400 V rated value  Inputs/ Outputs  number of digital inputs  type of input characteristic  input voltage at digital input  • at DC rated value  • with signal <0> at DC  • for signal <1> at DC  type of voltage of the supply voltage  type of voltage 1 at DC rated value  • minimum permissible  • maximum permissible  ampacity maximum  7 A	operating voltage rated value maximum	500 V
Inputs/ Outputs  number of digital inputs  type of input characteristic  input voltage at digital input  • at DC rated value • with signal <0> at DC • for signal <1> at DC  supply voltage  type of voltage of the supply voltage  supply voltage 1 at DC rated value  • minimum permissible • maximum permissible ampacity maximum  7 A	operating voltage of AC supply	500 V
number of digital inputs  type of input characteristic  input voltage at digital input  at DC rated value  with signal <0> at DC  for signal <1> at DC  type of voltage of the supply voltage  type of voltage of the supply voltage  supply voltage 1 at DC rated value  minimum permissible  maximum permissible  28.8 V  ampacity maximum	operational current at AC at 400 V rated value	32 A; Derating, see Manual
type of input characteristic  input voltage at digital input  • at DC rated value  • with signal <0> at DC  • for signal <1> at DC  • for signal <1> at DC  • for signal <1> at DC  • minimum permissible  • maximum permissible  • maximum permissible  ampacity maximum  7 A	Inputs/ Outputs	
input voltage at digital input  • at DC rated value  • with signal <0> at DC  • for signal <1> at DC  15 30  Supply voltage  type of voltage of the supply voltage  supply voltage 1 at DC rated value  • minimum permissible  • maximum permissible  • maximum permissible  28.8 V  ampacity maximum  7 A	number of digital inputs	1
<ul> <li>at DC rated value</li> <li>with signal &lt;0&gt; at DC</li> <li>for signal &lt;1&gt; at DC</li> <li>15 30</li> </ul> Supply voltage <ul> <li>type of voltage of the supply voltage</li> <li>supply voltage 1 at DC rated value</li> <li>minimum permissible</li> <li>maximum permissible</li> <li>maximum permissible</li> <li>28.8 V</li> </ul> ampacity maximum <ul> <li>7 A</li> </ul>	type of input characteristic	Type 1 in accordance with EN 61131-2
<ul> <li>with signal &lt;0&gt; at DC</li> <li>for signal &lt;1&gt; at DC</li> <li>15 30</li> </ul> Supply voltage <ul> <li>type of voltage of the supply voltage</li> <li>supply voltage 1 at DC rated value</li> <li>minimum permissible</li> <li>maximum permissible</li> <li>maximum permissible</li> <li>28.8 V</li> </ul> ampacity maximum <ul> <li>7 A</li> </ul>	input voltage at digital input	
● for signal <1> at DC  Supply voltage  type of voltage of the supply voltage  supply voltage 1 at DC rated value  ● minimum permissible  ● maximum permissible  28.8 V  ampacity maximum  7 A	• at DC rated value	24 V
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       ampacity maximum     7 A	<ul><li>with signal &lt;0&gt; at DC</li></ul>	0 5 V
type of voltage of the supply voltage  supply voltage 1 at DC rated value  • minimum permissible  • maximum permissible  28.8 V  ampacity maximum  7 A	• for signal <1> at DC	15 30
supply voltage 1 at DC rated value  • minimum permissible  • maximum permissible  28.8 V  ampacity maximum  7 A	Supply voltage	
<ul> <li>minimum permissible</li> <li>maximum permissible</li> <li>28.8 V</li> <li>ampacity maximum</li> <li>7 A</li> </ul>	type of voltage of the supply voltage	DC
	supply voltage 1 at DC rated value	24 V
ampacity maximum 7 A	minimum permissible	20.4 V
1.10	maximum permissible	28.8 V
Installation/ mounting/ dimensions	ampacity maximum	7 A
	Installation/ mounting/ dimensions	

mounting position	vertical, horizontal
fastening method	DIN rail
height	215 mm
width	30 mm
depth	75 mm
required spacing with side-by-side mounting	
• upwards	50 mm
<ul><li>downwards</li></ul>	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 according 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 according to SN 31205	900 1 060 hPa
Connections/ Terminals	
type of electrical connection	
for main current circuit	spring-loaded terminals (push-in)
<ul> <li>for auxiliary and control circuit</li> </ul>	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
<ul> <li>finely stranded without core end processing</li> </ul>	1x 1 6 mm²
<ul> <li>finely stranded with core end processing</li> </ul>	1x 1 6 mm²
type of connectable conductor cross-sections	
<ul> <li>for AWG cables for supply</li> </ul>	1x 18 10
type of connectable conductor cross-sections for load-side outgoing feeder	
• solid	1x 0,5 2,5 mm²
<ul> <li>finely stranded without core end processing</li> </ul>	1x 0,5 2,5 mm²
<ul> <li>finely stranded with core end processing</li> </ul>	1x 0,5 2,5 mm²
type of connectable conductor cross-sections for 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
<ul> <li>finely stranded without core end processing</li> </ul>	0.5 2.5 mm²
<ul> <li>finely stranded with core end processing</li> </ul>	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

Approvals Certificates

General Product Approval

**Test Certificates** 





Confirmation





Type Test Certificates/Test Report

Marine / Shipping





Confirmation

other



**Environment** 

Environmental Confirmations

Further information

Information on the packaging https://support.industry.siemens.com/cs/ww/en/view/109813875 Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

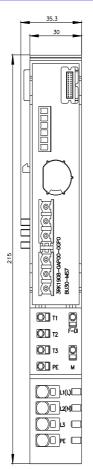
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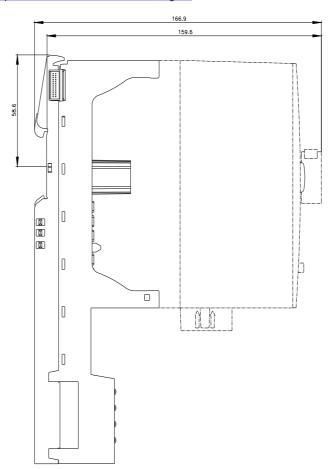
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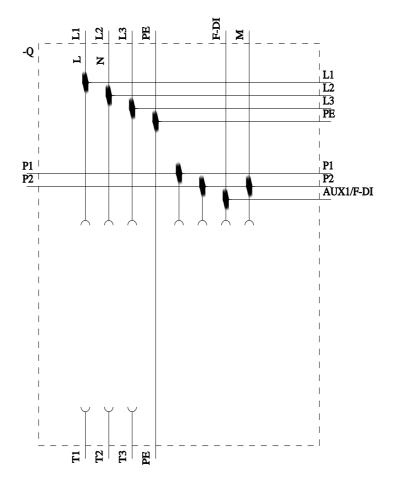
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1908-0AP00-0GP0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RK1908-0AP00-0GP0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RK1908-0AP00-0GP0&lang=en







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