## SIEMENS

## Data sheet

## 3RK1315-6NS71-2AA0



SIRIUS motor starter M200D AS-i Communication: AS-Interface DOL starter Basic Electronic switching AC-3, 4 kW / 400 V 1.5 A...9.00 A Electronic overload protection Thermistor: THERMOCLICK / PTC without brake contact 2DI AS-i + 2DI / 1DO on device Han Q4/2 - Han Q8/0 with manual on-site operation and key-operated switch

product brand name	SIRIUS
product designation	Motor starters
design of the product	direct starter
product type designation	M200D
product function	
on-site operation	Yes
<ul> <li>control circuit interface to parallel wiring</li> </ul>	No
insulation voltage rated value	500 V
degree of pollution	3
surge voltage resistance rated value	6 000 V
maximum permissible voltage for protective separation	
<ul> <li>between main and auxiliary circuit</li> </ul>	400 V
<ul> <li>between control and auxiliary circuit</li> </ul>	24 V
protection class IP	IP65
shock resistance	12g / 11 ms
type of assignment	1
certificate of suitability	CE
Substance Prohibitance (Date)	07/01/2006
SVHC substance name	Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5 2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7
product function	
direct start	Yes
reverse starting	No
product component motor brake output	No
product feature	
<ul> <li>brake control with 230 V AC</li> </ul>	No
<ul> <li>brake control with 400 V AC</li> </ul>	No
<ul> <li>brake control with 24 V DC</li> </ul>	No
<ul> <li>brake control with 180 V DC</li> </ul>	No
<ul> <li>brake control with 500 V DC</li> </ul>	No
product extension braking module for brake control	No
product function short circuit protection	Yes
design of short-circuit protection	circuit-breakers
maximum short-circuit current breaking capacity (Icu)	
• at 400 V rated value	50 000 A
• at 500 V rated value	20 000 A
EMC emitted interference according to IEC 60947-1	CISPR11, ambience A (group 2)
EMC immunity according to IEC 60947-1	corresponds to degree of severity 3, ambience A (industrial sector)
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• ele lo burst according to EC 61000-4.4         2 W reference connection / 1 kV control connection / 2 kV control c		
• et o consultor conclusor suga according to IEC         1 kV           Touch protection against electrical shock         finger-safe           Mumber of poles for main current of clouit         5           design of the suftiching contect         sold state (thy index / 2 passes           generation current of poles can be current of the current- digented in orders relates and the current- digented in orders and the current disc in the current- digented in orders and the current disc in the current- digented in orders and the current disc in the current di	-	2 kV network connection / 1 kV control connection
nono.4.5         Project all control           Value protection against electrical shock         Project all control           Immainer of posts for main current of the current.         sidd-state / thyristor / 2 phases           design of the switching context.         sidd-state / thyristor / 2 phases           design of the switching context.         sidd-state / thyristor / 2 phases           design of the switching context.         sidd-state / thyristor / 2 phases           operating context.         Sidd indue protection           - all 400 V rated value         9 A           operating context.         4 kW           - all 400 V rated value         5 value           of digital loptopts parameterizable         No           number of digital loptopts parameterizable         No           of digital loptopts parame		
Instruction         Ingensate           Main circuit         3           Addition of the switching context         3           addition of the switching context         9.014 State / Hyvistor / 2 phases           dependent overfood release         full index protection           full index protection         full index protection           operating power         20040 V           - at AC at 400 V rated value         9.A           operating power         - at 400 V rated value           - at 400 V rated value         9.A           operating power         - at 400 V rated value           - at 400 V rated value         4.KW           - at 400 V rated value         4.KW           or digital inputs parameterizable         No           or digital inputs parameterizable         No           or digital inputs parameterizable         No           or digital inputs parameterizable         1           or digital inputs parameterizable         No           or digital inputs parameterizable         1           or digital input signals         4           or digital input signals         4           or digital input signals         4           or digital input signals         1           for digital input si		1 kV
State activity         Second Sec		
number of poles for main current circuit         3           design of the switching contact         solid-state / Bhydisof / 2 phases           dype of the motor protection         Null motor protection           operating uncernet         200440 V           operating uncernet         9 A           • all AC3 all 400 V rated value         9 A           operating power         • all AC3 all 400 V rated value           • all AC3 all 400 V rated value         9 A           - all 400 V rated value         4 KW           - all 400 V rated value         4           rumber of digital uptus parameterizable         No           - for digital inputs symptone         DC           - for digital inputs		ringer-sare
design of the switching contact     solid state: / Brystor / 2 phases       digitable controls in sources of the current     1.5 9 A       type of the motor protection     kull motor protection       operating values:     200440 V       operating values:     9 A       operating values:     9 A       operating values:     9 A       - et Al C-3 at 400 V rated value     9 A       - et Al C-3 at 400 V rated value     9 A       - et Al C-3 at 400 V rated value     4 kW       - et Al C0 V rated value     4 kW       - et Al C0 V rated value     4 kW       - et Al C0 V rated value     4 kW       - et Al C0 V rated value     4 kW       - et Al C0 V rated value     4 kW       - et Al C0 V rated value     4 kW       - et Al C0 V rated value     4 kW       - et Al C0 V rated value     4 kW       - et Al C0 V rated value     4 kW       - et Al C0 V rated value     4 kW       - et Algo V rated value     1       • for digital inputs parameterzable     No       number of digital inputs parameterzable     No       runnber of digital output signals     1       • for digital output signals     1       • for digital output signals     20 kL 28.8 V       control digital value     20 kL 28.8 V   <		<u>^</u>
adjustable current response value current of the current- dependent overlaaf debases     159 A       type of the motor protection     bill motor protection       operating values     20440 V       operating values     9 A       • af A C.3 440 V rade value     9 A       operating power     • af AC.3 440 V rade value       • af A C.3 440 V rade value     9 A       operating power     • af AC.3 440 V rade value       • af AC.3 400 V rade value     4 XW       - af 400 V rade value     4 XW       - af 400 V rade value     4 XW       - af 400 V rade value     4 XW       product function     • (af af af approximation of af a parameterizable       No     • (af af af approximation of a parameterizable     No       • of af af a louput signals     1       • for af af af a louput signals     1       • for af af af a louput signals     1       • for af af af a louput signals     1       • for af af af a louput signals     1       • for af af af a louput signals     1       • for af af a louput signal     1	•	
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operational current         9           • al AC al 400 V rated value         9 A           • al AC al 400 V rated value         9 A           operating power         •           • al AC al 400 V rated value         9 A           operating power         •           • al AC al 400 V rated value         4 kW           - al 4100 V rated value         4 kW           - al 4100 V rated value         1           of radial inputs parameterizable         No           - (radial al output signalis         1           - for digital inputs signalis         1           - for digital input signalis         1           - for digital outputs         1           Supply voltage 1 at DC rated value         24 V           supply voltage 1 at DC rated value         20 L           - control supply voltage         DC <td></td> <td></td>		
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• et AC-3     + kW       - at 400 Vrated value     4 kW       - at 400 Vrated value     4 kW       - at 400 Vrated value     4 kW       - at 500 Vrated value     4 kW       - at 600 digital inputs parameterizable     No       - for digital inputs parameterizable     No       - for digital inputs ganas     4       - for digital inputs ganas     50       - for digital inputs     3       - ganas     30 V       - maximum permissible		
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• digital inputs parameterizable     No       • digital inputs parameterizable     No       number of digital inputs signals     4       • for digital input signals     1       • for digital input signals     4       number of digital input signals     4       number of digital outputs     1       Supply voltage     DC       supply voltage of the supply voltage     DC       supply voltage 1 at DC     24 V       supply voltage 1 at DC rated value     30 V       • minimum permissible     26.5 V       • maximum permissible     31.6 V       Control circuit Control     Upper of voltage of the supply voltage       control supply voltage 1 DC rated value     20.4 28.8 V       control supply voltage 1     24 V       • at DC rated value     20.4 28.8 V       control current at DC     20.4 28.8 V       • at DC rated value     20.8 .		4 KVV
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• for digital input signals     4       number of digital outputs     1       Supply voltage     U       Supply voltage of the supply voltage     DC       supply voltage 1 at DC     24 V       supply voltage 1 at DC rated value     30 V       • minimum permissible     26.5 V       • maximum permissible     31.6 V       Control circuit/ Control     U       type of voltage of the control supply voltage     DC       control supply voltage at DC rated value     20.4 28.8 V       control supply voltage 1     -       • at DC rated value     20.4 28.8 V       • at DC rated value     20.4 28.8 V       • at DC     20.4 28.8 V       • at DC     20.4 28.8 V       • at DC     00 mA       • at DC     00 mA       • in standby mode of operation     0.6 A       power loss [W] in auxiliary and control circuit     1.9584 W       • in switching state OFF with bypass circuit     2.1888 W       response times     OV-delay time       OFF-delay time     35 ms       mounting position     vertical, horizontal, flat       • recommended     horizontal       fastening method     screw fixing       height     159 mm       depth     159 mm		
number of digital outputs       1         Supply voltage       DC         supply voltage 1 at DC       24 V         supply voltage 1 at DC ated value       30 V         • minimum permissible       26.5 V         • maximum permissible       31.6 V         Control circuit/ Control       Type of voltage at DC rated value         • or aximum permissible       20.4 28.8 V         control supply voltage at DC rated value       20.4 28.8 V         control supply voltage at DC       20.4 28.8 V         e at DC rated value       20.4 28.8 V         • at DC       20.4 28.8 V         • at DC rated value       20.4 28.8 V         • at DC rated value       20.4 28.8 V         • at DC       20.4 28.8 V         control current at DC       • in standby mode of operation         • in standby mode of operation       0.6 A         power loss [W] In auxiliary and control circuit       • in switching state OFF with bypass circuit         • in switching state OFF with bypass circuit       2.1888 W         Response times       ON-delay time      <	<ul> <li>for digital output signals</li> </ul>	
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Supply voltage 1 at DC rated value       30 V         • minimum permissible       26.5 V         • maximum permissible       31.6 V         Control circuit/ Control       150 V         type of voltage of the control supply voltage       DC         control supply voltage at DC rated value       20.4 28.8 V         control supply voltage at DC rated value       24 V         • at DC rated value       20.4 28.8 V         • at DC       20.4 28.8 V         control current at DC       20.4 28.8 V         • in standby mode of operation       100 mA         • during operation       0.6 A         power loss [W] in auxiliary and control circuit       1.9584 W         • in switching state OFF with bypass circuit       2.1888 W         Response times       ON-delay time         OFF-delay time       35 ms         mounting position       vertical, horizontal, flat         • recommended       horizontal         fastening method       screw fixing         height       215 mn         width       294 mm         depth       159 mm	type of voltage of the supply voltage	DC
• minimum permissible       26.5 V         • maximum permissible       31.6 V         Control circuit/ Control       91.6 V         type of voltage of the control supply voltage       DC         control supply voltage at DC rated value       20.4 28.8 V         control supply voltage 1       41.0 V         • at DC rated value       20.4 28.8 V         • at DC rated value       20.4 28.8 V         • at DC       20.4 28.8 V         control current at DC       0.4 28.8 V         • in standby mode of operation       100 mA         • during operation       0.6 A         power loss [W] in auxiliary and control circuit       1.9584 W         • in switching state OFF with bypass circuit       2.1888 W         Response times       ON-delay time         OF-delay time       35 ms         mounting position       vertical, horizontal, flat         • recommended       horizontal         fastening method       screw fixing         height       215 mm         width       294 mm         depth       159 mm	supply voltage 1 at DC	24 V
• maximum permissible     31.6 V       Control circuit/ Control     Type of voltage of the control supply voltage     DC       control supply voltage at DC rated value     20.4 28.8 V       control supply voltage 1     24 V       • at DC rated value     20.4 28.8 V       • at DC rated value     20.4 28.8 V       • at DC     20.4 28.8 V       • at DC     20.4 28.8 V       • at DC     20.4 28.8 V       • otal C     20.4 28.8 V       • otal C     20.4 28.8 V       • otal DC     20.4 28.8 V       • otal DC     20.4 28.8 V       • otal DC     00 mA       • otal DC     0.6 A       power loss [W] in auxiliary and control circuit     1.9584 W       • in switching state OFF with bypass circuit     1.9584 W       • in switching state ON with bypass circuit     2.1888 W       Response times     ON-delay time       OFF-delay time     35 ms       mounting position     vertical, horizontal, flat       • recommended     horizontal       fastening method     screw fixing       height     215 mm       width     294 mm       depth     159 mm	supply voltage 1 at DC rated value	30 V
Control circuit/ Control         type of voltage of the control supply voltage       DC         control supply voltage at DC rated value       20.4 28.8 V         control supply voltage 1		
type of voltage of the control supply voltage         DC           control supply voltage at DC rated value         20.4 28.8 V           control supply voltage 1         24 V           • at DC rated value         20.4 28.8 V           • at DC rated value         20.4 28.8 V           • at DC rated value         20.4 28.8 V           • at DC         20.4 28.8 V           • at DC         20.4 28.8 V           control current at DC         0.4 28.8 V           • in standby mode of operation         100 mA           • during operation         0.6 A           power loss [W] in auxiliary and control circuit         1.9584 W           • in switching state OFF with bypass circuit         1.9584 W           • in switching state OF with bypass circuit         2.1888 W           Response times         ON-delay time           ON-delay time         25 ms           OFF-delay time         35 ms           mounting position         vertical, horizontal, flat           • recommended         horizontal           fastening method         screw fixing           height         215 mm           width         294 mm           depth         159 mm	minimum permissible	26.5 V
control supply voltage at DC rated value       20.4 28.8 V         control supply voltage 1       24 V         • at DC rated value       20.4 28.8 V         • at DC rated value       20.4 28.8 V         • at DC       20.4 28.8 V         control current at DC       100 mA         • during operation       0.6 A         power loss [W] in auxiliary and control circuit       1.9584 W         • in switching state OFF with bypass circuit       1.9584 W         • in switching state ON with bypass circuit       2.1888 W         Response times       0N-delay time         OFF-delay time       35 ms         oFF-delay time       35 ms         mounting position       vertical, horizontal, flat         • recommended       horizontal         fastening method       screw fixing         height       215 mm         width       294 mm         depth       159 mm         Ambient conditions       2000 m	-	
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• at DC rated value       24 V         • at DC rated value       20.4 28.8 V         • at DC       20.4 28.8 V <b>control current at DC</b> 0         • in standby mode of operation       100 mA         • during operation       0.6 A <b>power loss [W] in auxiliary and control circuit</b> 1.9584 W         • in switching state OFF with bypass circuit       1.9584 W         • in switching state OV with bypass circuit       2.1888 W <b>Response times ON-delay time OFF-delay time</b> 35 ms <b>oFF-delay time</b> 35 ms <b>ore</b> commended       horizontal <b>fastening method</b> screw fixing         height       215 mm         width       294 mm <b>depth</b> 159 mm	maximum permissible Control circuit/ Control	31.6 V
• at DC rated value20.4 28.8 V• at DC20.4 28.8 Vcontrol current at DC• in standby mode of operation100 mA• during operation0.6 Apower loss [W] in auxiliary and control circuit• in switching state OFF with bypass circuit1.9584 W• in switching state OFF with bypass circuit2.1888 WResponse times25 msON-delay time25 msOFF-delay time35 msmounting positionvertical, horizontal, flat• recommendedhorizontalfastening methodscrew fixingheight215 mmwidth294 mmdepth159 mmAmbient conditions2 000 m	maximum permissible Control circuit/ Control type of voltage of the control supply voltage	31.6 V DC
• at DC20.4 28.8 Vcontrol current at DC100 mA• in standby mode of operation0.6 A• during operation0.6 Apower loss [W] in auxiliary and control circuit1.9584 W• in switching state OFF with bypass circuit2.1888 WResponse times25 msON-delay time35 msOFF-delay time35 msmounting positionvertical, horizontal, flat• recommendedhorizontalfastening methodscrew fixingheight215 mmwidth294 mmdepth159 mmAmbient conditions2 000 m	maximum permissible Control circuit/ Control type of voltage of the control supply voltage control supply voltage at DC rated value	31.6 V DC
control current at DC       100 mA         • in standby mode of operation       0.6 A         power loss [W] in auxiliary and control circuit       .         • in switching state OFF with bypass circuit       1.9584 W         • in switching state ON with bypass circuit       2.1888 W         Response times       ON-delay time         ON-delay time       25 ms         OFF-delay time       35 ms         mounting position       vertical, horizontal, flat         • recommended       horizontal         fastening method       screw fixing         height       215 mm         width       294 mm         depth       159 mm         Ambient conditions       2 000 m	maximum permissible Control circuit/ Control type of voltage of the control supply voltage control supply voltage at DC rated value control supply voltage 1	31.6 V DC 20.4 28.8 V
• in standby mode of operation100 mA• during operation0.6 Apower loss [W] in auxiliary and control circuit.• in switching state OFF with bypass circuit1.9584 W• in switching state ON with bypass circuit2.1888 WResponse times.ON-delay time25 msOFF-delay time35 msoFF-delay time35 msin ecommendedhorizontal, flat• recommendedhorizontalfastening methodscrew fixingheight215 mmwidth294 mmdepth159 mmAmblent conditions2 000 m	maximum permissible Control circuit/ Control type of voltage of the control supply voltage control supply voltage at DC rated value control supply voltage 1     • at DC rated value	31.6 V DC 20.4 28.8 V 24 V
• during operation0.6 Apower loss [W] in auxiliary and control circuit.• in switching state OFF with bypass circuit1.9584 W• in switching state ON with bypass circuit2.1888 WResponse times.ON-delay time25 msOFF-delay time35 msmounting positionvertical, horizontal, flat• recommendedhorizontalfastening methodscrew fixingheight215 mmwidth294 mmdepth159 mmAmbient conditions2 000 m	maximum permissible Control circuit/ Control type of voltage of the control supply voltage control supply voltage at DC rated value control supply voltage 1     • at DC rated value     • at DC rated value	31.6 V DC 20.4 28.8 V 24 V 20.4 28.8 V
• during operation0.6 Apower loss [W] in auxiliary and control circuit.• in switching state OFF with bypass circuit1.9584 W• in switching state ON with bypass circuit2.1888 WResponse times.ON-delay time25 msOFF-delay time35 msmounting positionvertical, horizontal, flat• recommendedhorizontalfastening methodscrew fixingheight215 mmwidth294 mmdepth159 mmAmbient conditions2 000 m	maximum permissible Control circuit/ Control type of voltage of the control supply voltage control supply voltage at DC rated value control supply voltage 1     • at DC rated value     • at DC rated value     • at DC	31.6 V DC 20.4 28.8 V 24 V 20.4 28.8 V
power loss [W] in auxiliary and control circuit       .         • in switching state OFF with bypass circuit       1.9584 W         • in switching state ON with bypass circuit       2.1888 W         Response times       .         ON-delay time       25 ms         OFF-delay time       35 ms         mounting position       vertical, horizontal, flat         • recommended       horizontal         fastening method       screw fixing         height       215 mm         width       294 mm         depth       159 mm         Ambient conditions       2 000 m	maximum permissible  Control circuit/ Control  type of voltage of the control supply voltage  control supply voltage at DC rated value  control supply voltage 1      at DC rated value      at DC rated value      at DC  control current at DC	31.6 V DC 20.4 28.8 V 24 V 20.4 28.8 V 20.4 28.8 V
• in switching state OFF with bypass circuit       1.9584 W         • in switching state ON with bypass circuit       2.1888 W         Response times       25 ms         ON-delay time       35 ms         OFF-delay time       35 ms         mounting position       vertical, horizontal, flat         • recommended       horizontal         fastening method       screw fixing         height       215 mm         width       294 mm         depth       159 mm         Ambient conditions       2 000 m	maximum permissible Control circuit/ Control type of voltage of the control supply voltage control supply voltage at DC rated value control supply voltage 1     at DC rated value     at DC rated value     at DC control current at DC     in standby mode of operation	31.6 V DC 20.4 28.8 V 24 V 20.4 28.8 V 20.4 28.8 V 20.4 28.8 V
• in switching state ON with bypass circuit       2.1888 W         Response times       25 ms         ON-delay time       25 ms         OFF-delay time       35 ms         mounting position       vertical, horizontal, flat         • recommended       horizontal         fastening method       screw fixing         height       215 mm         width       294 mm         depth       159 mm         Ambient conditions       2 000 m	maximum permissible Control circuit/ Control type of voltage of the control supply voltage control supply voltage at DC rated value control supply voltage 1     at DC rated value     at DC rated value     at DC control current at DC     in standby mode of operation     during operation	31.6 V DC 20.4 28.8 V 24 V 20.4 28.8 V 20.4 28.8 V 20.4 28.8 V
Response times       25 ms         OR-delay time       25 ms         OFF-delay time       35 ms         mounting position       vertical, horizontal, flat         • recommended       horizontal         fastening method       screw fixing         height       215 mm         width       294 mm         depth       159 mm         Ambient conditions       2 000 m	maximum permissible Control circuit/ Control type of voltage of the control supply voltage control supply voltage at DC rated value control supply voltage 1     at DC rated value     at DC rated value     at DC control current at DC     in standby mode of operation     during operation power loss [W] in auxiliary and control circuit	31.6 V DC 20.4 28.8 V 24 V 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A
ON-delay time       25 ms         OFF-delay time       35 ms         mounting position       vertical, horizontal, flat         • recommended       horizontal         fastening method       screw fixing         height       215 mm         width       294 mm         depth       159 mm         Ambient conditions       2 000 m	maximum permissible Control circuit/ Control type of voltage of the control supply voltage control supply voltage at DC rated value control supply voltage 1     at DC rated value     at DC rated value     at DC control current at DC     in standby mode of operation     during operation power loss [W] in auxiliary and control circuit     in switching state OFF with bypass circuit	31.6 V DC 20.4 28.8 V 24 V 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 1.9584 W
OFF-delay time       35 ms         mounting position       vertical, horizontal, flat         • recommended       horizontal         fastening method       screw fixing         height       215 mm         width       294 mm         depth       159 mm         Installation altitude at height above sea level maximum       2 000 m	maximum permissible Control circuit/ Control type of voltage of the control supply voltage control supply voltage at DC rated value control supply voltage 1     at DC rated value     at DC rated value     at DC control current at DC     in standby mode of operation     during operation     power loss [W] in auxiliary and control circuit     in switching state OFF with bypass circuit     in switching state ON with bypass circuit	31.6 V DC 20.4 28.8 V 24 V 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 1.9584 W
mounting position     vertical, horizontal, flat       • recommended     horizontal       fastening method     screw fixing       height     215 mm       width     294 mm       depth     159 mm       Ambient conditions     2 000 m	maximum permissible Control circuit/ Control type of voltage of the control supply voltage control supply voltage at DC rated value control supply voltage 1     at DC rated value     at DC rated value     at DC control current at DC     in standby mode of operation     during operation power loss [W] in auxiliary and control circuit     in switching state OFF with bypass circuit     in switching state ON with bypass circuit Response times	31.6 V DC 20.4 28.8 V 24 V 20.4 28.8 V 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 1.9584 W 2.1888 W
• recommended     horizontal       fastening method     screw fixing       height     215 mm       width     294 mm       depth     159 mm       Ambient conditions     2 000 m	maximum permissible Control circuit/ Control type of voltage of the control supply voltage control supply voltage at DC rated value control supply voltage 1     at DC rated value     at DC rated value     at DC control current at DC     in standby mode of operation     during operation power loss [W] in auxiliary and control circuit     in switching state OFF with bypass circuit     in switching state ON with bypass circuit Response times ON-delay time	31.6 V DC 20.4 28.8 V 24 V 20.4 28.8 V 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 1.9584 W 2.1888 W 25 ms
fastening method     screw fixing       height     215 mm       width     294 mm       depth     159 mm       Ambient conditions     200 m	maximum permissible Control circuit/ Control type of voltage of the control supply voltage control supply voltage at DC rated value control supply voltage 1     at DC rated value     at DC rated value     at DC control current at DC     in standby mode of operation     during operation power loss [W] in auxiliary and control circuit     in switching state OFF with bypass circuit     in switching state ON with bypass circuit     in switching state ON with bypass circuit     for-delay time OFF-delay time	31.6 V DC 20.4 28.8 V 24 V 20.4 28.8 V 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 1.9584 W 2.1888 W 25 ms 35 ms
height     215 mm       width     294 mm       depth     159 mm       Ambient conditions     installation altitude at height above sea level maximum       2 000 m	maximum permissible Control circuit/ Control type of voltage of the control supply voltage control supply voltage at DC rated value control supply voltage 1     at DC rated value     at DC rated value     at DC control current at DC     in standby mode of operation     during operation     power loss [W] in auxiliary and control circuit     in switching state OFF with bypass circuit     in switching state ON with bypass circuit     in switching state ON with bypass circuit     oFF-delay time OFF-delay time mounting position	31.6 V DC 20.4 28.8 V 24 V 20.4 28.8 V 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 1.9584 W 2.1888 W 25 ms 35 ms vertical, horizontal, flat
width     294 mm       depth     159 mm       Ambient conditions     2000 m	maximum permissible Control circuit/ Control type of voltage of the control supply voltage control supply voltage at DC rated value control supply voltage 1     at DC rated value     at DC rated value     at DC control current at DC     in standby mode of operation     during operation power loss [W] in auxiliary and control circuit     in switching state OFF with bypass circuit     in switching state ON with bypass circuit     in switching state ON with bypass circuit     in switching state ON with bypass circuit     oFF-delay time     OFF-delay time     mounting position     ir recommended	31.6 V         DC         20.4 28.8 V         24 V         20.4 28.8 V         20.4 28.8 V         20.4 28.8 V         100 mA         0.6 A         1.9584 W         2.1888 W         25 ms         35 ms         vertical, horizontal, flat         horizontal
depth     159 mm       Ambient conditions     2 000 m	maximum permissible Control circuit/ Control type of voltage of the control supply voltage control supply voltage at DC rated value control supply voltage 1	31.6 V         DC         20.4 28.8 V         24 V         20.4 28.8 V         20.4 28.8 V         20.4 28.8 V         100 mA         0.6 A         1.9584 W         2.1888 W         25 ms         35 ms         vertical, horizontal, flat         horizontal         screw fixing
Ambient conditions       installation altitude at height above sea level maximum     2 000 m	maximum permissible Control circuit/ Control type of voltage of the control supply voltage control supply voltage at DC rated value control supply voltage 1     at DC rated value     at DC rated value     at DC control current at DC     in standby mode of operation     during operation power loss [W] in auxiliary and control circuit     in switching state OFF with bypass circuit     in switching state ON with bypass circuit Kesponse times ON-delay time OFF-delay time mounting position     irecommended fastening method height	31.6 V         DC         20.4 28.8 V         24 V         20.4 28.8 V         20.4 28.8 V         20.4 28.8 V         100 mA         0.6 A         1.9584 W         2.1888 W         25 ms         35 ms         vertical, horizontal, flat         horizontal         screw fixing         215 mm
installation altitude at height above sea level maximum 2 000 m	<ul> <li>maximum permissible</li> <li>Control circuit/ Control</li> <li>type of voltage of the control supply voltage</li> <li>control supply voltage at DC rated value</li> <li>control supply voltage 1</li> <li>at DC rated value</li> <li>at DC rated value</li> <li>at DC</li> <li>control current at DC</li> <li>in standby mode of operation</li> <li>during operation</li> <li>power loss [W] in auxiliary and control circuit</li> <li>in switching state OFF with bypass circuit</li> <li>in switching state ON with bypass circuit</li> <li>of Setting state ON with bypass circuit</li> <li>in switching state ON with bypass circuit</li> <li>during position</li> <li>recommended</li> <li>fastening method</li> <li>height</li> <li>width</li> </ul>	31.6 V         DC         20.4 28.8 V         24 V         20.4 28.8 V         20.4 28.8 V         100 mA         0.6 A         1.9584 W         2.1888 W         25 ms         35 ms         vertical, horizontal, flat         horizontal         screw fixing         215 mm         294 mm
·	<ul> <li>maximum permissible</li> <li>Control circuit/ Control</li> <li>type of voltage of the control supply voltage</li> <li>control supply voltage at DC rated value</li> <li>control supply voltage 1</li> <li>at DC rated value</li> <li>at DC rated value</li> <li>at DC</li> <li>control current at DC</li> <li>in standby mode of operation</li> <li>during operation</li> <li>power loss [W] in auxiliary and control circuit</li> <li>in switching state OFF with bypass circuit</li> <li>in switching state ON with bypass circuit</li> <li>Seponse times</li> <li>ON-delay time</li> <li>OFF-delay time</li> <li>mounting position</li> <li>recommended</li> <li>fastening method</li> <li>height</li> <li>width</li> <li>depth</li> </ul>	31.6 V         DC         20.4 28.8 V         24 V         20.4 28.8 V         20.4 28.8 V         100 mA         0.6 A         1.9584 W         2.1888 W         25 ms         35 ms         vertical, horizontal, flat         horizontal         screw fixing         215 mm         294 mm
ampient temperature	maximum permissible Control circuit/ Control type of voltage of the control supply voltage control supply voltage at DC rated value control supply voltage 1     at DC rated value     at DC rated value     at DC control current at DC     in standby mode of operation     during operation     during operation     in switching state OFF with bypass circuit     in switching state OFF with bypass circuit     in switching state ON with bypass circuit     in switching state ON with bypass circuit     in switching state OFF with bypass circuit     in switching state ON with bypass circuit     width depth Ambient conditions	31.6 V         DC         20.4 28.8 V         24 V         20.4 28.8 V         20.4 28.8 V         20.4 28.8 V         100 mA         0.6 A         1.9584 W         2.1888 W         25 ms         35 ms         vertical, horizontal, flat         horizontal         screw fixing         215 mm         294 mm         159 mm
	maximum permissible Control circuit/ Control type of voltage of the control supply voltage control supply voltage at DC rated value control supply voltage 1     at DC rated value     at DC rated value     at DC control current at DC     in standby mode of operation     during operation     power loss [W] in auxiliary and control circuit     in switching state OFF with bypass circuit     in switching state ON with bypass circuit     vecommended fastening method height width depth Ambient conditions installation altitude at height above sea level maximum	31.6 V         DC         20.4 28.8 V         24 V         20.4 28.8 V         20.4 28.8 V         20.4 28.8 V         100 mA         0.6 A         1.9584 W         2.1888 W         25 ms         35 ms         vertical, horizontal, flat         horizontal         screw fixing         215 mm         294 mm         159 mm

emens is working on the renewal of the current EAC certif ease contact your local Siemens office on the status of validity AC relevant market (other than the sanctioned EAEU member	y of the EAC certification if you intend to import or offer to supply these products	s to a
tps://press.siemens.com/global/en/pressrelease/siemens-wind	l-down-russian-business	
ther information emens has decided to exit the Russian market (see here).		
ther information		
EG-Konf.	ASi	
eclaration of Conformity Test Certific	cates other	
	) (YL) [[] (X)	
Confirmation		
eneral Product Approval	EMC	
tificates/ approvals		
ted value		
at 460/480 V rated value perating voltage at AC at 60 Hz according to CSA and UL	5 hp 480 V	
- at 220/230 V rated value	2 hp	
for 3-phase AC motor	0.1	
elded mechanical performance [hp]		
lue		
II-load current (FLA) for 3-phase AC motor at 480 V rated	7.6 A	
<ul> <li>for supply voltage line-side</li> </ul>	M12 plug	
for device addressing	M12 plug	
<ul> <li>at the manufacturer-specific device interface</li> </ul>	optical interface	
pe of electrical connection		
• 4 for digital input signals	M12 socket	
• 3 for digital input signals	M12 socket	
2 for digital input signals	M12 socket	
• 1 for digital output signals	M12 socket	
<ul> <li>1 for digital input signals</li> </ul>	M12 socket	
pe of electrical connection		
<ul> <li>for auxiliary and control circuit</li> </ul>	connector	
• for main current circuit	plug according to ISO 23570, HAN Q4/2	
pe of electrical connection		
pe of electrical connection of the communication interface	M12 plug	
oduct function control circuit interface with IO link	No	
otocol is supported AS-Interface protocol	Yes	
oduct function bus communication	Yes	
PROFIBUS DP protocol	No	
PROFINET protocol	No	
AS-Interface protocol	Yes	
esign of the interface		
PROFINET protocol	No	
PROFIBUS DP protocol	No	
otocol is supported		
lative humidity during operation	10 95 %	
during transport	-40 +70 °C	
<ul> <li>during storage</li> </ul>	-40 +70 °C	

Information on the packaging https://support.industry.siemens.com/cs/ww/en/view/109813875

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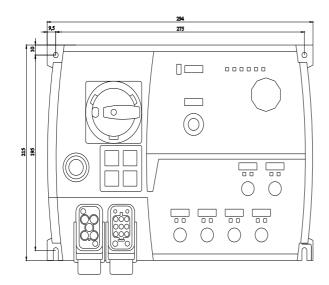
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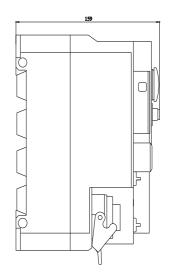
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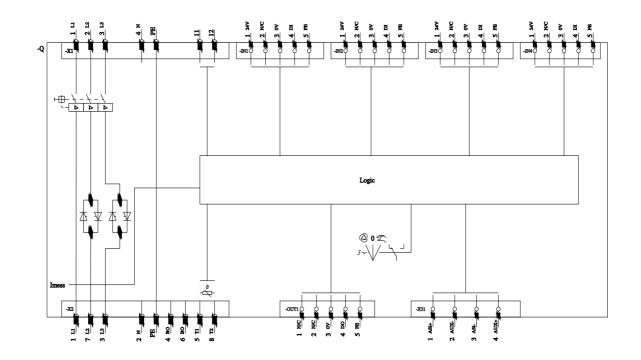
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