## **SIEMENS**

## **Data sheet**



SIRIUS motor starter M200D AS-i Communication: AS-Interface Reversing starter Basic Electronic switching AC-3, 0.75KW / 400 V 0.15 A...2.00 A Electronic overload protection Thermistor: THERMOCLICK / PTC with brake contact 180 V DC 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	reversing starter
product type designation	M200D
product function	
on-site operation	Yes
control circuit interface to parallel wiring	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	
between main and auxiliary circuit	400 V
between control and auxiliary circuit	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 2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7
product function	
direct start	No
reverse starting	Yes
product component motor brake output	Yes
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>	Yes
brake control with 500 V DC	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)
conducted interference	

tube to consider conductor surge according to IEC 10004-5    touch protection against electrical shock   Inger-safe    STANCECTUST    number of poles for main current circuit   3   design of the switching contact   3   design of the switching skill of the switching contact   3   design of the switching skill of the switching contact   3   design of the switching skill of the switching contact   3   design of the switching skill of the switching contact   3   design of the switching skill of the switching contact   3   design of the switching skill of the switching contact   3   design of the switching skill of the switching contact   3   design of the switching skill of the switching contact   3   design of the switching contact   3   design of	a due to conductor conth curre pos-will- to IEO 04000 4.5	214/
6100-4-5 Use Protection against electrical shock finger-safe  Value of the switching contact solid-state / thyristor / 2 phases design of the switching contact solid-state / thyristor / 2 phases design of the switching contact solid-state / thyristor / 2 phases design of the switching contact solid-state / thyristor / 2 phases design of the switching contact solid-state / thyristor / 2 phases design of the switching contact solid-state / thyristor / 2 phases design of the switching contact solid-state / thyristor / 2 phases design of the switching contact solid-state / thyristor / 2 phases design of the switching contact solid-state / thyristor / 2 phases design of the switching contact solid-state / thyristor / 2 phases design of the switching contact solid-state / thyristor / 2 phases design of the switching contact solid-state / thyristor / 2 phases design of the switching contact solid-state / thyristor / 2 phases design of the switching contact solid-state / thyristor / 2 phases design of the switching contact solid-state / thyristor / 2 phases design of the switching contact solid-state / thyristor / 2 phases design of the switching contact solid-state / thyristor / 2 phases design of the switching contact solid-state / thyristor / 2 phases design of the switching contact solid-state / thyristor / 2 phases design of the switching contact solid-state / thyristor / 2 phases design of the switching contact solid-state / thyristor / 2 phases design of the switching contact solid-state / thyristor / 2 phases design of the control supply voltage and the switching contact supply voltage and the switching control supply voltage and the switching control supply voltage and thyristorial field of the switching control supply voltage and the switching control supply voltage a	due to conductor-earth surge according to IEC 61000-4-5      due to conductor conductor according to IEC.	2 kV
Touch protection against electrical shock    Intercept   State   State		T KV
Main circuit   3   design of the switching contact   solid-state / thyristor / 2 phases   solid-state / 3 phases   solid-state / thyristor / 2 phases   solid-state / thyristor / 2 phases   solid-state / thyristor / 2 phases   solid-state / s		finger-safe
number of poles for main current circuit design of the switching contact adjustable current response value current of the current dependent overload release type of the motor protection operating voltage rated value operating voltage rated value at AC at 400 V rated value at AC at 400 V rated value  operating power  at AC at 400 V rated value  operating power  at AC at 400 V rated value  operating power  at AC at 400 V rated value  operating power  at AC at 400 V rated value  operating power  at AC at 400 V rated value  operating power  at AC at 400 V rated value  operating power  at AC at 400 V rated value  operating power  at AC at 400 V rated value  operating power  at AC at 400 V rated value  operating power  at AC at 400 V rated value  operating power  at AC at 400 V rated value  operating power  at AC at 400 V rated value  operating power  at AC at 400 V rated value  operating power  at AC at 400 V rated value  operating power  at AC at 400 V rated value  operating power  at AC at 400 V rated value  operating power  at AC at 400 V rated value  operating power  at BC at 400 V rated value  operating power  at AC at 400 V rated value  operating power  at AC at 400 V rated value  operating power  at AC at 400 V rated value  operating power  to digital inputs grans  at 4  at 000 V rated value  operating power  to digital output signals  1  control supply voltage of the supply voltage  operating power  at DC rated value  at DC rated		
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adjustable current response value current of the current-dependent overload releases  type of the motor protection operating vottage rated value  operating vottage rated value  at AC at 400 V rated value  at AC at 400 V rated value  at AC at 400 V rated value  at 500 V rated value  be digital inputs parameterizable  digital outputs signals  for digital inputs signals  for digital input signals  for digital input signals  for digital inputs signals  for digital input signals  for digital inputs signals  for digital input signals  fo		
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Operational current   at AC at 400 V rated value   2 A   at AC at 400 V rated value   2 A   at AC at 400 V rated value   2 A   at AC at 400 V rated value   2 A   at AC at 400 V rated value   0.75 kW   at AC.3   at 400 V rated value   750 W   at AC.3   at 400 V rated value   750 W   at AC.3   at 400 V rated value   0.75 kW   at AC.3   at 400 V rated value   0.75 kW   at AC.3   at 500 V rated value   0.75 kW   at AC.3   at 500 V rated value   0.75 kW   at AC.3   at 500 V rated value   0.75 kW   at AC.3   at 500 V rated value   0.75 kW   0.75 kW   at 500 V rated value   0.75 kW   0.75	<u> </u>	
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e at AC-3 at 400 V rated value operating power e at AC-3  — at 400 V rated value — at 500 V rated value — at 600 V rated value — at 600 V rated value — at 600 V rated value — or 560 V rated value — or 600 V rated value • digital inputs parameterizable • digital outputs parameterizable • digital inputs — or 60 digital inputs genals — or 60 digital inputs genals — or 60 digital inputs genals — or 60 digital puts genals — or	•	
at AC-3		
* at AC-3		2 A
at 400 V rated value		
at AC-3e at AC-3e at AC-3e at AC-3e at 400 V rated value at 500 V rated value broduct function digital outputs parameterizable digital outputs parameterizable No number of digital inputs for digital outputs signals for digital inputs for digital outputs signals for digital inputs for digital inputs for digital inputs for digital outputs  Inumber of digital inputs  Inumber of digital outputs  Inumber of digital inputs  Inumber of digital inp		
at 400 V rated value		750 W
roduct function  • digital inputs parameterizable • digital inputs parameterizable • digital inputs • digital inputs • digital inputs • digital inputs • for digital inputs • for digital inputs • for digital inputs signals • for digital input signals • mumber of digital outputs  Supply voltage  type of voltage of the supply voltage  type of voltage 1 at DC ated value • minimum permissible • maximum permissible • maximum permissible • maximum permissible  vermissible • maximum permissible • maximum permissible • maximum permissible • maximum permissible • at DC ated value • vermissible		
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digital inputs parameterizable     digital outputs parameterizable     number of sockets		0.75 kW
or digital outputs parameterizable     number of digital inputs     of crigital output signals     of crigital output signals     of crigital output signals     of crigital output signals     or of digital outputs signals     or of digital outputs  Supply voltage  type of voltage  type of voltage of the supply voltage  providage of the supply voltage  providage of the supply voltage  supply voltage 1 at DC  supply voltage 1 at DC  on insimum permissible  maximum permissible  maximum permissible  on to control supply voltage of the control supply voltage  ontrol supply voltage of the control supply voltage  control supply voltage at DC rated value  on to Control supply voltage of the control supply voltage  control supply voltage at DC rated value  on to Crated value  on	•	
number of digital Inputs  number of sockets  of or digital output signals of or digital output signals of or digital outputs  1  Supply voltage  type of voltage of the supply voltage supply voltage of the supply voltage  supply voltage 1 at DC  supply voltage 1 at DC rated value of minimum permissible of voltage of the control supply voltage of voltage of the control supply voltage of voltage of the control supply voltage  Type of voltage of the control supply voltage of voltage of the control supply voltage  Type of voltage of the supply voltage  Type of voltage of the supply voltage of the vo		
number of sockets  • for digital output signals • for digital input signals • for digital outputs  number of digital outputs  1  Supply voltage  type of voltage of the supply voltage  supply voltage 1 at DC  supply voltage 1 at DC  supply voltage 1 at DC C  • maximum permissible • for inaximum permissible • maximum permissible • maximum permissible • fortical circuit Control  type of voltage of the control supply voltage  control supply voltage at DC rated value  20 4 28.8 V  control supply voltage at DC rated value • at DC rated value		
• for digital output signals • for digital outputs gloals • for digital outputs 1  Supply voltage  type of voltage of the supply voltage supply voltage 1 at DC supply voltage 1 at DC rated value • minimum permissible • maximum permissible • minimum permissible  control circuit/ Control  type of voltage of the control supply voltage  control supply voltage 1 at DC rated value • minimum permissible  control supply voltage of the control supply voltage  control supply voltage 1 • at DC rated value • at DC rout output voltage 1 • in standby mode of operation • during operation • during operation  power loss [W] in auxillary and control circuit • in switching state OFF with bypass circuit • in switching state OFF with bypass circuit • in switching state OF with bypass circuit • in switching state OFF with bypass circuit • in switching state of the supply voltage in some power fixing  ON-delay time  OFF-delay time  35 ms  ON-delay time  35 ms  mounting position • recommended • horizontal, flat • horizontal, flat • horizontal fastening method • screw fixing • height  width • 294 mm  depth  Ambient conditions  installation attitude at height above sea level maximum  2 000 m		4
• for digital input signals  number of digital outputs  Supply voltage  type of voltage of the supply voltage  supply voltage 1 at DC  supply voltage 1 at DC reted value  • minimum permissible  • maximum permissible  • maximum permissible  control circuit/ Control  type of voltage of the control supply voltage  control supply voltage at DC rated value  • at DC  control current at DC  • in standby mode of operation  • during operation  • during operation  • working state OFF with bypass circuit  • in switching state OFF with bypass circuit  • recommended  fastening method  • recommended  fastening method  screw fixing  width  depth  Ambient conditions  installation altitude at height above sea level maximum  2 000 me		
number of digital outputs  Supply voltage  type of voltage of the supply voltage supply voltage 1 at DC supply voltage 1 at DC eminimum permissible emaximum		
type of voltage of the supply voltage		
type of voltage of the supply voltage 24 V supply voltage 1 at DC supply voltage 1 at DC rated value 30 V eminimum permissible 26.5 V smaximum 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 at DC rated value 24 V extra data data at DC rated value 24 V extra data at DC rated value 20.4 28.8 V  control supply voltage 1 extra data at DC at DC control current at DC extra data at DC in standby mode of operation 600 mA eduring operation 600 mA  power loss [W] in auxiliary and control circuit exin switching state OFF with bypass circuit 6.9408 W  Response times  ON-delay time 25 ms  OFF-delay time 35 ms mounting position vertical, horizontal, flat height 215 mm width 294 mm depth 159 mm  Ambient conditions installation allitude at height above sea level maximum 2 000 m  DOC TORD TORD TORD TORD TORD TORD TORD TORD		1
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supply voltage 1 at DC rated value  • minimum permissible • maximum permissible  • maximum permissible  26.5 V  31.6 V  Control circuit/ Control  type of voltage of the control supply voltage control supply voltage at DC rated value  20.4 28.8 V  control supply voltage 1  • at DC rated value • at DC rated value • at DC  • in standby mode of operation • during operation • during operation  power loss [W] in auxiliary and control circuit • in switching state OFF with bypass circuit • in switching state OF with bypass circuit • in switching state ON with bypass circuit • in switching state ON with bypass circuit • fesponse times  ON-delay time  OF-delay time  OF-delay time  sorew fixing mounting position • recommended fastening method height width 294 mm  Ambient conditions installation altitude at height above sea level maximum  2000 m		
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maximum permissible      control circuit/ Control      type of voltage of the control supply voltage     control supply voltage at DC rated value     control supply voltage at DC rated value     at DC     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     of DF-delay time     OF-delay time     OF-delay time     OF-delay time     of Foreign of the control		
type of voltage of the control supply voltage control supply voltage at DC rated value 20.4 28.8 V  control supply voltage 1  • at DC rated value 24 V  • at DC rated value 20.4 28.8 V  control current at DC  • in standby mode of operation • during 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 • system of the control of	·	
type of voltage of the control supply voltage  control supply voltage at DC rated value  20.4 28.8 V  control supply voltage 1  • at DC rated value  24 V  • at DC rated value  20.4 28.8 V  • at DC  control current at DC  • in standby mode of operation  • during operation  • uning operation  power loss [W] in auxiliary and control circuit  • in switching state OFF with bypass circuit  • in switching state OFF with bypass circuit  • in switching state ON with bypass circuit  6.9408 W  Response times  ON-delay time  25 ms  OFF-delay time  35 ms  mounting position  • recommended  fastening method  screw fixing  height  width  294 mm  depth  Ambient conditions  installation altitude at height above sea level maximum  2000 m	·	31.6 V
control supply voltage at DC rated value  control supply voltage 1  at DC rated value  at DC rated value  at DC rated value  at DC  totrol 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  ON-delay time  OFF-delay time  OFF-delay time  at Special state on the supplied of the supplied o		
control supply voltage 1  • at DC rated value • at DC rated value • at DC • at DC • at DC  control current at DC • in standby mode of operation • during operation • during operation  power loss [W] in auxiliary and control circuit • 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 • 25 ms  ON-delay time  OFF-delay time  35 ms  mounting position • recommended • horizontal fastening method height • creck fixing height  width 294 mm  depth  Ambient conditions installation altitude at height above sea level maximum  2 000 m		
at DC rated value at DC rated value 20.4 28.8 V  at DC  control current at DC  in standby mode of operation during operation of uswitching state OFF with bypass circuit in switching state OFF with bypass circuit in switching state ON with bypass circuit  ON-delay time  OFF-delay time  OFF-delay time  orecommended fastening method fastening method height  uind DC  24 V  20.4 28.8 V  20.4 28.8 V  20.0 m  100 mA  600 mA  100 mA  600 mA  1.9584 W  6.9408 W  Response times  ON-delay time 25 ms  OFF-delay time 35 ms  recommended horizontal, flat horizontal, flat horizontal fastening method screw fixing height 215 mm  width 294 mm  depth  Ambient conditions installation altitude at height above sea level maximum  2 000 m		20.4 28.8 V
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control current at DC  in standby mode of operation during operation of 600 mA  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 OFF-delay time 35 ms  mounting position vertical, horizontal, flat recommended fastening method screw fixing height width 294 mm depth Ambient conditions installation altitude at height above sea level maximum 2000 mA 600	at DC rated value	
in standby mode of operation during operation during operation  by ower loss [W] in auxiliary and control circuit in switching state OFF with bypass circuit during operation in switching state OFF with bypass circuit during state ON with bypass		20.4 28.8 V
<ul> <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>6.9408 W</li> </ul> Response times ON-delay time <ul> <li>25 ms</li> <li>OFF-delay time</li> <li>35 ms</li> <li>mounting position</li> <li>vertical, horizontal, flat</li> <li>recommended</li> <li>horizontal</li> </ul> fastening method <ul> <li>screw fixing</li> </ul> height <ul> <li>294 mm</li> </ul> depth <ul> <li>159 mm</li> </ul> Ambient conditions <ul> <li>installation altitude at height above sea level maximum</li> <li>2000 m</li> </ul>		
power loss [W] in auxiliary and control circuit  in switching state OFF with bypass circuit  in switching state ON with bypass circuit  6.9408 W  Response times  ON-delay time  25 ms  OFF-delay time  35 ms  mounting position  vertical, horizontal, flat  recommended  fastening method  screw fixing  height  215 mm  width  294 mm  depth  Ambient conditions  installation altitude at height above sea level maximum  2 000 m		
<ul> <li>in switching state OFF with bypass circuit</li> <li>in switching state ON with bypass circuit</li> <li>6.9408 W</li> <li>Response times</li> <li>ON-delay time</li> <li>OFF-delay time</li> <li>35 ms</li> <li>mounting position</li> <li>vertical, horizontal, flat</li> <li>recommended</li> <li>horizontal</li> <li>fastening method</li> <li>screw fixing</li> <li>height</li> <li>width</li> <li>294 mm</li> <li>depth</li> <li>159 mm</li> <li>Ambient conditions</li> <li>installation altitude at height above sea level maximum</li> <li>2 000 m</li> </ul>		600 mA
● in switching state ON with bypass circuit  Response times  ON-delay time  OFF-delay time  35 ms  mounting position  • recommended  fastening method  screw fixing  height  width  294 mm  depth  Ambient conditions  installation altitude at height above sea level maximum  25 ms  6.9408 W  6.9408		
Response times  ON-delay time 25 ms  OFF-delay time 35 ms  mounting position • recommended • horizontal  fastening method • screw fixing  height 215 mm  width 294 mm  depth 159 mm  Ambient conditions installation altitude at height above sea level maximum 2 000 m		
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  Ambient conditions installation altitude at height above sea level maximum 2 000 m		6.9408 W
OFF-delay time  mounting position  • recommended  fastening method  height  vidth  294 mm  depth  Ambient conditions  installation altitude at height above sea level maximum  35 ms  vertical, horizontal, flat  horizontal  screw fixing  215 mm  215 mm  215 mm  2200 m		
mounting position       vertical, horizontal, flat         ● recommended       horizontal         fastening method       screw fixing         height       215 mm         width       294 mm         depth       159 mm         Ambient conditions       installation altitude at height above sea level maximum       2 000 m		25 ms
● recommended horizontal  fastening method screw fixing height 215 mm width 294 mm depth 159 mm  Ambient conditions installation altitude at height above sea level maximum 2 000 m	· · · · · ·	35 ms
fastening method     screw fixing       height     215 mm       width     294 mm       depth     159 mm       Ambient conditions       installation altitude at height above sea level maximum     2 000 m	mounting position	vertical, horizontal, flat
height 215 mm width 294 mm depth 159 mm  Ambient conditions installation altitude at height above sea level maximum 2 000 m	recommended	horizontal
width 294 mm  depth 159 mm  Ambient conditions installation altitude at height above sea level maximum 2 000 m	fastening method	<u> </u>
depth     159 mm       Ambient conditions     installation altitude at height above sea level maximum     2 000 m	height	215 mm
Ambient conditions installation altitude at height above sea level maximum 2 000 m	width	294 mm
installation altitude at height above sea level maximum 2 000 m	depth	159 mm
<u> </u>	Ambient conditions	
ambient temperature	installation altitude at height above sea level maximum	2 000 m
ambient temperature	ambient temperature	
• during operation -25 +55 °C	during operation	-25 +55 °C

during storage	-40 +70 °C
during transport	-40 +70 °C
relative humidity during operation	10 95 %
protocol is supported	
PROFIBUS DP protocol	No
PROFINET protocol	No
design of the interface	
AS-Interface protocol	Yes
PROFINET protocol	No
PROFIBUS DP protocol	No
product function bus communication	Yes
protocol is supported AS-Interface protocol	Yes
product function control circuit interface with IO link	No
type of electrical connection of the communication interface	M12 plug
type of electrical connection	
for main current circuit	plug according to ISO 23570, HAN Q4/2
<ul> <li>for auxiliary and control circuit</li> </ul>	connector
type of electrical connection	
1 for digital input signals	M12 socket
1 for digital output signals	M12 socket
2 for digital input signals	M12 socket
3 for digital input signals	M12 socket
4 for digital input signals	M12 socket
type of electrical connection	
• at the manufacturer-specific device interface	optical interface
<ul> <li>for device addressing</li> </ul>	M12 plug
<ul> <li>for supply voltage line-side</li> </ul>	M12 plug
full-load current (FLA) for 3-phase AC motor at 480 V rated value	1.6 A
yielded mechanical performance [hp]	
• for 3-phase AC motor	
— at 460/480 V rated value	0.7 hp
operating voltage at AC at 60 Hz according to CSA and UL rated value	480 V
Certificates/ approvals	

Certificates/ approvals

**General Product Approval** 







Confirmation







**Declaration of Conformity** 

**Test Certificates** 

other

**Dangerous Good** 





Type Test Certificates/Test Report



Confirmation

**Transport Information** 

## **Further information**

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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

https://www.siemens.com/ic10

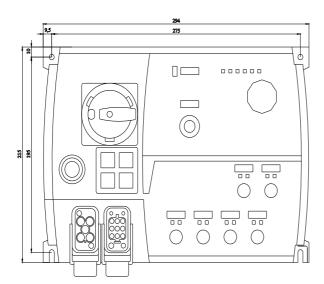
Industry Mall (Online ordering system)

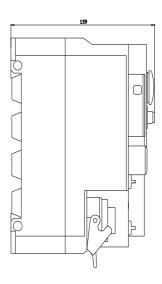
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK1315-6KS71-3AA5

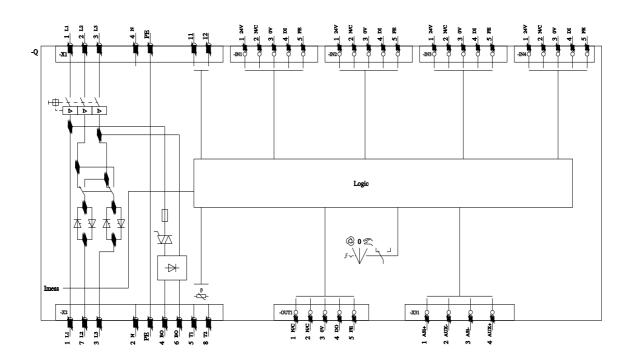
Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1315-6KS71-3AA5

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







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