SIEMENS

Data sheet



SIRIUS motor starter M200D AS-i Communication: AS-Interface Reversing starter Basic Electronic switching AC-3, 4 kW / 400 V 1.5 A...9.00 A Electronic overload protection Thermistor: THERMOCLICK / PTC with brake contact 230/400 V AC 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-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5 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	
 brake control with 230 V AC 	Yes
 brake control with 400 V AC 	Yes
 brake control with 24 V DC 	No
 brake control with 180 V DC 	No
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	

• due to conduction-earth usage according to IEC 61000.4-5 • due to conductor-conductor surge according to IEC 61000.4-5 • due to conductor-conductor surge according to IEC 61000.4-5 • function of the conductor surge according to IEC 61000.4-5 • function of the conductor surge according to IEC 61000.4-5 • function of the conductor surge according to IEC 61000.4-5 • function of the conductor surge according to IEC 61000.4-5 • function of the conductor surge according to IEC 61000.4-5 • function of the conductor surge according to IEC 61000.4-5 • function of the conductor surge according to IEC 61000.4-5 • function of the conductor surge according to IEC 61000.4-5 • function of the conductor surge according to IEC 61000.4-5 • function of the conductor surge according to IEC 61000.4-5 • function of the conductor surge according to IEC 61000.4-5 • function of the conductor surge according to IEC 61000.4-5 • function of the conductor surge according to IEC 61000.4-5 • function of the motor protection of the current design of the surge according to IEC 61000.4-5 • function of the motor protection of the current design of the surge according to IEC 61000.4-6 • function of the motor protection of the current design of the surge according to IEC 61000.4-6 • function of the motor protection of the surge according to IEC 61000.4-6 • function of the current surge according to IEC 61000.4-6 • function of the current surge according to IEC 61000.4-6 • function of the current surge according to IEC 61000.4-6 • function of the surge according to IEC 61000.4-6 • function of the surge according to IEC 61000.4-6 • function of the current surge according to IEC 61000.4-6 • function of the surge according to IEC 61000.4-6 • function of the surge according to IEC 61000.4-6 • function of the surge according to IEC 61000.4-6 • function of the surge according to IEC 61000.4-6 • function of the surge according to IEC 610000.4-6 • function of the surge according to IEC 610000.4-6 • function of the surge a		And the second s
* uturb to conductor-conductor surge according to IEC 1000.45 Touch protection against electrical shock Missin circuit number of poles for main current circuit design of the surticing contact 4. AC at 400 V rated value 5. AC act 400 V rated value 6. AC act 400 V rated value 6. AC act 400 V rated value 6. AC act 400 V rated value 7. AC act 400 V rated value 8. AC act 400 V rated value 8. AC act 400 V rated value 8. AC act 400 V rated value 9. AC act 400 V rated	-	2 kV network connection / 1 kV control connection
### Stock protection against electrical shock ### Stock status / Hyristor / 2 phases ### stock status / Hyristor /		2 kV
Touch protection against electrical shock Inger-safe		1 kV
Main circuit I mamber of poles for main current circuit design of the switching contact adjustable current response value current of the current Solid-state / thyristor / 2 phases adjustable current response value Yee of the motor protection Operating voltage raid division Operational current • at A c3 at 400 V rated value • at A c3 at 400 V rated value • at A c3 at 400 V rated value — at 500 V rate		E
runthed of poles for main current circuit design of the switching contact adjustable current response value current of the current. Type of the motor protection Operating votinge rated value Operating power • at AC at 400 V rated value • at AC at 400 V rated value • at AC at 400 V rated value • at AC at 400 V rated value • at AC at 400 V rated value • at AC at 400 V rated value • at AC at 400 V rated value • at AC at 400 V rated value • at AC at 400 V rated value • at AC at 400 V 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 • a		iiiyei-ədit
design of the switching contact adjustable current response yalue current of the current dependent overload releases 1, 5, 9, 8, 1, 1, 9, 9, 4 1, 1, 1, 9, 9, 1 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1		
adjustable current response value current of the current-dependent overload release (spendent overload release (spendent overload release (spendent) voteroid value (spendent) voteroid voter	<u> </u>	
dependent overload releases full motor protection full motor protection		
Operating voltage rated value 200 440 V		1.5 9 A
operational current • at AC at 400 V rated value • at AC 3 at 400 V rated value • at AC 3 at 400 V rated value • at AC 3 — at 400 V rated value — at 500 V rated value • digital inputs parameterizable • or digital inputs parameterizable • or digital inputs • or digital inputs • or digital outputs	type of the motor protection	full motor protection
at AC at 400 V rated value at AC 3 at 400 V rated value poreting power at AC 3 — at 400 V rated value — at 500 V rated value — at 600 V rated value — at 500 V rated value — at 600 V rated value — at 600 V rated value — at 600 V rated value — digital inputs parameterizable — No number of digital inputs spans — for digital outputs spans — for digital outputs spans — for digital input signals — for digital outputs spans — for digital outputs — for digital neput signals — for digital neput signals — for digital neput signals — for digital outputs — for digital outputs	operating voltage rated value	200 440 V
e at AC-3 at 400 V rated value operating power e at AC-3 — at 400 V rated value — at 800 V rated value — digital inputs parameterizable — in digital inputs parameterizable — for digital inputs — for digital input signals — for di	operational current	
art AC-3	at AC at 400 V rated value	9 A
	at AC-3 at 400 V rated value	9 A
	operating power	
at AC-3e		
at AC-3e	— at 400 V rated value	4 kW
at AC-3e at 400 V rated value at 500 V rated value 4 kW product function igital inputs parameterizable igital outputs parameterizable violigital outputs parameterizable violigital outputs parameterizable violigital outputs parameterizable violigital outputs violigital outp		
at 400 V rated value 4 kW at 500 V rated value 8 kW at 500 V rated value 8 kW at 500 V rated value 8 kW at 500 V rated value 9 kW at 500 V rate		
- at 500 V rated value product function digital inputs parameterizable No number of digital inputs for digital inputs ginals for digital inputs ginals for digital input signals for digital input signals Type of Voltage of the supply voltage supply voltage Type of Voltage of the supply voltage Supply voltage 1 at DC supply voltage 1 at DC rated value minimum permissible minimum permissible minimum permissible supply voltage of the control supply voltage protocol circuit/ Control Type of Voltage of the control supply voltage supply voltage 1 at DC rated value minimum permissible supply voltage 1 at DC rated value control supply voltage at DC rated value 20.4 28.8 V control supply voltage at DC rated value at DC control supply voltage at DC rated value control supply voltage at DC rated value 20.4 28.8 V control supply voltage at DC rated value 20.4 28.8 V control current at DC in standby mode of operation during operation during operation during operation for A busine state OFF with bypass circuit in switching state OFF with bypass circuit in switching state OFF with bypass circuit in switching state ON with bypass cir		4 kW
product function digital inputs parameterizable digital outputs parameterizable No number of digital inputs for digital output signals for digital outputs 1 Supply voltage Uppe of voltage of the supply voltage Uppe of voltage of the supply voltage Supply voltage 1 at DC Supply		
digital inputs parameterizable digital outputs parameterizable number of digital inputs for digital output signals for digital input signals for digital input signals for digital input signals for digital input signals 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 DC control circuit Control type of voltage of the control supply voltage control supply voltage at DC rated value 20.428.8 V control supply voltage 1 at DC rated value 24 V at DC rated value 24 V at DC rated value 24 V at DC rated value 20.428.8 V at DC control current at DC in standby mode of operation 0.6 A control current at DC in standby mode of operation 0.6 A be in standby mode of operation 0.6 A be in standby mode of operation 0.6 A be in switching state ON with bypass circuit in switching state ON with bypass circuit in switching state ON with bypass circuit in switching state ON with bypass circuit in switching state ON with bypass circuit in switching state on with pass circuit in switching		1.00
oligital outputs parameterizable	•	No
number of digital inputs number of sockets for digital output signals for digital outputs 1 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 rated value minimum permissible maximum permissible type of voltage of the control supply voltage ocntrol dircuit/ 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 24 V at DC rated value 24 V 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 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 OF with bypass circuit in switching state ON supply witching sup		
number of sockets • for digital output signals • for digital input signals 1 number of digital outputs 1 Supply voltage type of voltage of the supply voltage supply voltage 1 at DC 2 44 V supply voltage 1 at DC 2 26.5 V • infinimum permissible • maximum permissible • maximum permissible control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 at DC rated value • maximum permissible control supply voltage of the control supply voltage control supply voltage of DC rated value • 20.4 28.8 V control supply voltage of DC rated value • at DC in standby mode of operation • uturing operation • usuring operation • u		
• for digital output signals • for digital input signals 4 number of digital outputs Supply voltage type of voltage of the supply voltage supply voltage 1 at DC supply voltage 1 at DC supply voltage 1 at DC atted value • minimum permissible • maximum permissible 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 at DC rated value 20.4 28.8 V control supply voltage 1 • at DC rated value • at DC rated value 20.4 28.8 V control supply voltage 1 • at DC rated value 20.4 V 20.5 28.8 V control supply voltag		7
• for digital input signals number of digital outputs type of voltage of the 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 • maximum permissible • maximum permissible • ontrol sizeuit/ Control type of voltage of the control supply voltage control supply voltage at DC rated value • at DC control circuit at DC • in standby mode of operation • during operation • during operation • switching state OFF with bypass circuit • in switching state OFF with bypass circuit • in switching state OF with bypass circuit • sysponse times ON-delay time OFF-delay time OFF-delay time \$5 ms mounting position • vertical, horizontal, flat horizontal fastening method height ### Ambient conditions installation altitude at height above sea level maximum 2 000 m		4
number of digital outputs Supply voltage type of voltage of the supply voltage supply voltage 1 at DC supply voltage 1 at DC 24 V supply voltage 1 at DC rated value minimum permissible maximum permissible maximum permissible control creutif 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 24 V at DC rated value 24 V at DC rated value 24 V at DC rated value 20.4 28.8 V control current at DC in standby mode of operation 4 uning operation power loss [W] in auxiliary and control circuit in switching state OFF with bypass circuit in switching state OFF with bypass circuit 6.9408 W Response times ON-delay time OF-delay time 35 ms mounting position vertical, horizontal, flat horizontal fastening method height 215 mm width depth Anbient conditions installation altitude at height above sea level maximum 2 000 m		
type of voltage of the supply voltage DC supply voltage 1 at DC rated value 30 V • minimum permissible 26.5 V • maximum permissible 31.6 V Control circuit/ Control type of voltage at DC rated value 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 24.4 28.8 V control supply voltage 1 • at DC rated value 20.4 28.8 V control current at DC • in standby mode of operation 0.6 A power loss [W] in auxiliary and control circuit • in switching state OFF with bypass circuit 9.940 W • in switching state OFF with bypass circuit 9.940 W Exsponse times ON-delay time 25 ms OFF-delay time 35 ms mounting position vertical, horizontal, flat • recommended horizontal fastening method screw fixing width 294 mm depth Ambient conditions installation altitude at height above sea level maximum average DC 24 V 24 V 24 V 24 V 25 W 26 TC 26 SW 27 SW 28 SW 29 SW 20 SW 21 SW 22 SW 23 SW 24 SW 25 SW 25 SW 26 SW 27 SW 28 SW 29 SW 29 SW 29 SW 20 SW 20 SW 20 SW 20 SW 21 SW 22 SW 23 SW 24 SW 25 SW 26 SW 27 SW 28 SW 29 SW 29 SW 20		
type of voltage of the supply voltage supply voltage 1 at DC supply voltage 1 at DC rated value • minimum permissible • maximum permissible • maximum permissible • maximum permissible • ontrol circuit/ Control type of voltage of the control supply voltage control supply voltage at DC rated value • at DC rated value • at DC rated value • at DC rated value • at DC rated value • at DC • in standby mode of operation • during operation • during operation • in switching state OFF with bypass circuit • find supply time ON-delay time OFF-delay time mounting position • recommended fastening method height width 294 mm depth Ambient conditions installation altitude at height above sea level maximum DC 265. V 265. V 267. V 288. V 294 28.8 V 295 28.8 V 296 28.8 V 297 28.8 V 298. V 299 28.8 V 299.		1
supply voltage 1 at DC supply voltage 1 at DC rated value • minimum permissible • maximum permissible • maximum permissible type of voltage of the control supply voltage control circuit/ Control type of voltage 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 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 • for subject to the control of the control		
supply voltage 1 at DC rated value minimum permissible maximum permissible maximum permissible maximum permissible maximum permissible maximum permissible 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 rated value at DC rated value at DC at D	type of voltage of the supply voltage	DC
minimum permissible maximum permissible maximum permissible 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 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 ON with bypass circuit in switching state ON with bypass circuit Response times ON-delay time OFF-delay time OFF-delay time ToF-delay tim		
maximum permissible 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 • at DC control current at DC • in standby mode of operation • during operation • during operation • during 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 • on-Fr-delay time OPF-delay time OFF-delay time OFF-delay time off-commended horizontal fastening method beight 25 mm Mounting position vertical, horizontal, flat horizontal fastening method beight 294 mm depth Amblent conditions installation altitude at height above sea level maximum 2000 m	supply voltage 1 at DC	
type of voltage of the control supply voltage control supply voltage at DC rated value control supply voltage 1 e at DC rated value at DC rated value at DC rated value oturent 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 older one of the control circuit in switching state ON with bypass circuit older one of the control circuit in switching state ON with bypass circuit older one of the control circuit in switching state ON with bypass circuit older one of the control circuit older one of the control circuit state of the control circuit older one	supply voltage 1 at DC supply voltage 1 at DC rated value	30 V
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 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 • on-delay time ON-delay time OFF-delay time OFF-delay time 35 ms mounting position vertical, horizontal, flat horizontal fastening method fastening method screw fixing height vidth 294 mm Ambient conditions installation altitude at height above sea level maximum 2 000 m	supply voltage 1 at DC supply voltage 1 at DC rated value	30 V
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 outing operation outing state OFF with bypass circuit in switching state OFF with bypass circuit in switching state ON with bypass circuit outing operation ON-delay time ON-delay time OFF-delay time off-de	supply voltage 1 at DC supply voltage 1 at DC rated value • minimum permissible • maximum permissible	30 V 26.5 V
control supply voltage 1 • 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 • in standby mode of operation 100 mA • during 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 6.9408 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 installation altitude at height above sea level maximum 2000 m	supply voltage 1 at DC supply voltage 1 at DC rated value • minimum permissible • maximum permissible	30 V 26.5 V
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 during operation o.6 A power loss [W] in auxiliary and control circuit in switching state OFF with bypass circuit in switching state OFF with bypass circuit during operation ON-delay time OF-delay time OF-delay time OF-delay time at Sms mounting position crecommended fastening method fastening method height begin to the side of the si	supply voltage 1 at DC supply voltage 1 at DC rated value • minimum permissible • maximum permissible Control circuit/ Control	30 V 26.5 V 31.6 V
at DC rated value at DC 20.4 28.8 V control current at DC in standby mode of operation during operation olic A power loss [W] in auxiliary and control circuit in switching state OFF with bypass circuit in switching state ON with bypass circuit ON-delay time OFF-delay time OFF-delay time sore mounting position recommended fastening method height width 294 mm depth Ambient conditions installation altitude at height above sea level maximum 20.4 28.8 V 20.5 28.8 V 20.4 28.8 V 20.6 28	supply voltage 1 at DC supply voltage 1 at DC rated value • minimum permissible • maximum permissible Control circuit/ Control type of voltage of the control supply voltage	30 V 26.5 V 31.6 V
at DC control current at DC in standby mode of operation during operation during operation of a witching state OFF with bypass circuit in switching state ON with bypass circuit in switching state ON with bypass circuit of in switching state ON with bypass circuit of switching state ON with bypass circuit of switching state ON with bypass circuit of systems ON-delay time OFF-delay time OFF-delay time of recommended of stening method of screw fixing height width depth 159 mm Ambient conditions installation altitude at height above sea level maximum 200 m 100 mA 1.9584 W	supply voltage 1 at DC supply voltage 1 at DC rated value • minimum permissible • maximum permissible Control circuit/ Control type of voltage of the control supply voltage control supply voltage at DC rated value	30 V 26.5 V 31.6 V
control current at DC in standby mode of operation during operation o.6 A 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 horizontal fastening method screw fixing height 294 mm depth 159 mm Ambient conditions installation altitude at height above sea level maximum 2 0.00 m	supply voltage 1 at DC supply voltage 1 at DC rated value • minimum permissible • maximum permissible Control circuit/ Control type of voltage of the control supply voltage control supply voltage at DC rated value control supply voltage 1	30 V 26.5 V 31.6 V DC 20.4 28.8 V
 in standby mode of operation during operation 0.6 A 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 as 5 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 2000 m 	supply voltage 1 at DC supply voltage 1 at DC rated value • minimum permissible • 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	30 V 26.5 V 31.6 V DC 20.4 28.8 V
 during operation 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 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 	supply voltage 1 at DC supply voltage 1 at DC rated value • minimum permissible • 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	30 V 26.5 V 31.6 V DC 20.4 28.8 V
 during operation 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 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 	supply voltage 1 at DC supply voltage 1 at DC rated value • minimum permissible • 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 rated value • at DC	30 V 26.5 V 31.6 V DC 20.4 28.8 V
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 • recommended • horizontal fastening method screw fixing height 294 mm depth Ambient conditions installation altitude at height above sea level maximum 2 000 m	supply voltage 1 at DC supply voltage 1 at DC rated value • minimum permissible • 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 control current at DC	30 V 26.5 V 31.6 V DC 20.4 28.8 V 24 V 20.4 28.8 V
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	supply voltage 1 at DC supply voltage 1 at DC rated value	30 V 26.5 V 31.6 V DC 20.4 28.8 V 24 V 20.4 28.8 V 20.4 28.8 V
in switching state ON with bypass circuit 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 installation altitude at height above sea level maximum 2 000 m	supply voltage 1 at DC supply voltage 1 at DC rated value • minimum permissible • 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	30 V 26.5 V 31.6 V DC 20.4 28.8 V 24 V 20.4 28.8 V 20.4 28.8 V
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	supply voltage 1 at DC supply voltage 1 at DC rated value • minimum permissible • 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	30 V 26.5 V 31.6 V DC 20.4 28.8 V 24 V 20.4 28.8 V 20.4 28.8 V
ON-delay time 25 ms OFF-delay time 35 ms mounting position vertical, horizontal, flat	supply voltage 1 at DC supply voltage 1 at DC rated value	30 V 26.5 V 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
OFF-delay time mounting position • recommended fastening method height width 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 294 mm 294 mm 2000 m	supply voltage 1 at DC supply voltage 1 at DC rated value	30 V 26.5 V 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
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	supply voltage 1 at DC supply voltage 1 at DC rated value	30 V 26.5 V 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 6.9408 W
● 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	supply voltage 1 at DC supply voltage 1 at DC rated value	30 V 26.5 V 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 6.9408 W
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	supply voltage 1 at DC supply voltage 1 at DC rated value	30 V 26.5 V 31.6 V DC 20.4 28.8 V 24 V 20.4 28.8 V 100 mA 0.6 A 1.9584 W 6.9408 W
height 215 mm width 294 mm depth 159 mm Ambient conditions installation altitude at height above sea level maximum 2 000 m	supply voltage 1 at DC supply voltage 1 at DC rated value	30 V 26.5 V 31.6 V DC 20.4 28.8 V 24 V 20.4 28.8 V 100 mA 0.6 A 1.9584 W 6.9408 W 25 ms 35 ms vertical, horizontal, flat
width 294 mm depth 159 mm Ambient conditions installation altitude at height above sea level maximum 2 000 m	supply voltage 1 at DC supply voltage 1 at DC rated value	30 V 26.5 V 31.6 V DC 20.4 28.8 V 24 V 20.4 28.8 V 100 mA 0.6 A 1.9584 W 6.9408 W 25 ms 35 ms vertical, horizontal, flat horizontal
depth 159 mm Ambient conditions installation altitude at height above sea level maximum 2 000 m	supply voltage 1 at DC supply voltage 1 at DC rated value	30 V 26.5 V 31.6 V DC 20.4 28.8 V 24 V 20.4 28.8 V 100 mA 0.6 A 1.9584 W 6.9408 W 25 ms 35 ms vertical, horizontal, flat horizontal screw fixing
Ambient conditions installation altitude at height above sea level maximum 2 000 m	supply voltage 1 at DC supply voltage 1 at DC rated value	30 V 26.5 V 31.6 V DC 20.4 28.8 V 24 V 20.4 28.8 V 100 mA 0.6 A 1.9584 W 6.9408 W 25 ms 35 ms vertical, horizontal, flat horizontal screw fixing 215 mm
installation altitude at height above sea level maximum 2 000 m	supply voltage 1 at DC supply voltage 1 at DC rated value	30 V 26.5 V 31.6 V DC 20.4 28.8 V 24 V 20.4 28.8 V 100 mA 0.6 A 1.9584 W 6.9408 W 25 ms 35 ms vertical, horizontal, flat horizontal screw fixing 215 mm 294 mm
	supply voltage 1 at DC supply voltage 1 at DC rated value	30 V 26.5 V 31.6 V DC 20.4 28.8 V 24 V 20.4 28.8 V 100 mA 0.6 A 1.9584 W 6.9408 W 25 ms 35 ms vertical, horizontal, flat horizontal screw fixing 215 mm 294 mm
ampient temperature	supply voltage 1 at DC supply voltage 1 at DC rated value	30 V 26.5 V 31.6 V DC 20.4 28.8 V 24 V 20.4 28.8 V 100 mA 0.6 A 1.9584 W 6.9408 W 25 ms 35 ms vertical, horizontal, flat horizontal screw fixing 215 mm 294 mm 159 mm
	supply voltage 1 at DC supply voltage 1 at DC rated value • minimum permissible • 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 OFF-delay time mounting position • recommended fastening method height width depth Ambient conditions installation altitude at height above sea level maximum	30 V 26.5 V 31.6 V DC 20.4 28.8 V 24 V 20.4 28.8 V 100 mA 0.6 A 1.9584 W 6.9408 W 25 ms 35 ms vertical, horizontal, flat horizontal screw fixing 215 mm 294 mm 159 mm

 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
 for auxiliary and control circuit 	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
 for device addressing 	M12 plug
for supply voltage line-side	M12 plug
full-load current (FLA) for 3-phase AC motor at 480 V rated value	7.6 A
yielded mechanical performance [hp]	
• for 3-phase AC motor	
— at 220/230 V rated value	2 hp
— at 460/480 V rated value	5 hp
operating voltage at AC at 60 Hz according to CSA and UL rated value	480 V
Cortificatos/ 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,...)

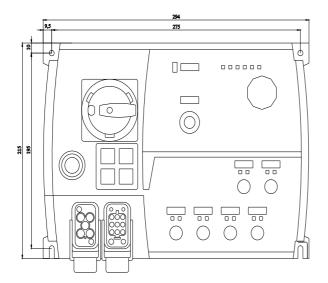
https://www.siemens.com/ic10

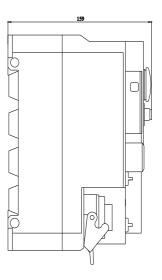
Industry Mall (Online ordering system)

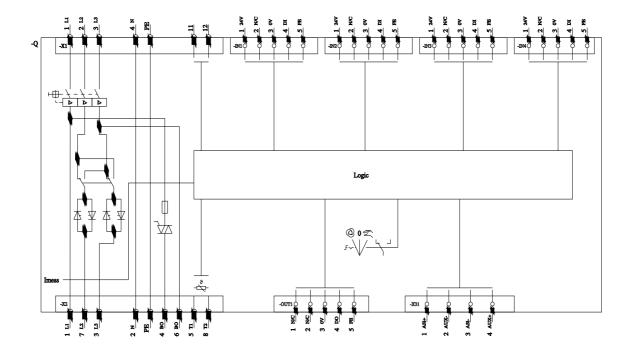
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK1315-6NS71-3AA3

Cax online generator

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax de.aspx?mlfb=3RK1315-6NS71-3AA3&lang=en







last modified: 8/9/2023 🖸