Data sheet





product designation Motor starters design of the product product type designation M200D product function • on-site operation	product brand name	SIRIUS
product type designation M200D product function • on-site operation • control circuit interface to parallel wiring No insulation voltage rated value degree of pollution surge voltage resistance rated value • 6 000 V maximum permissible voltage for protective separation • between main and auxiliary circuit • between control and auxiliary circuit • between control and auxiliary circuit • between main service life (operating cycles) of the main contacts mechanical service life (operating cycles) of the main contacts protection class IP shock resistance mechanical service life (operating cycles) of the main contacts protection of suitability CE Substance Prohibitance (Date) SVHC substance name Biel - 7439-92-1 Bielmonoxid (Beloxid) - 1317-36-8 2-2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7 product function • direct start No • direct start No • direct start No • reverse starting product component motor brake output Yes product feature • brake control with 230 V AC • brake control with 44 V DC • brake control with 34 V DC • brake control with 34 V DC • brake control with 180 V DC • brake co	product designation	Motor starters
product function • on-sile operation • control circuit interface to parallel wiring No insulation voltage rated value degree of pollution surge voltage resistance rated value • between main and auxiliary circuit • between control and auxiliary circuit • book resistance 12g / 11 ms 10000 000 12g / 11 ms 10000 000 12g / 12 ms	design of the product	reversing starter
on-site operation control circuit interface to parallel wiring insulation voltage rated value degree of pollution surge voltage resistance rated value asway to pollution surge voltage resistance rated value abeliance main and auxiliary circuit between main and auxiliary circuit between control and surger of protective separation between control and auxiliary circuit between control and auxiliary circuit between control and auxiliary circuit protection class IP shock resistance mechanical service life (operating cycles) of the main contacts typical very carried and service life (operating cycles) of the main contacts typical very carried and service life (operating cycles) of the main contacts very carried as service life (operating cycles) of the main contacts very carried as service life (operating cycles) of the main contacts very carried as service life (operating cycles) of the main contacts very carried as service life (operating cycles) of the main contacts very carried as service life (operating cycles) of the main contacts very carried as service life (operating cycles) of the main contacts very carried as service life (operating cycles) of the main contacts very carried service (Bieloxid) - 1317-36-8 very carried as service life (operating cycles) of the main contact very carried service (Bieloxid) - 1317-36-8 very carried as service life (Dieloxid) - 1317-36-8 very c	product type designation	M200D
insulation voltage rated value degree of pollution surge voltage resistance rated value between main and auxiliary circuit between outrol and auxiliary circuit between main and auxiliary circuit between main and auxiliary circuit between control and auxiliary circuit between control and auxiliary circuit between control and auxiliary circuit cas iP shock resistance lephanous control with auxiliary circuit liped 5 shock resistance liped auxiliary circuit liped 6 liped 5 shock resistance liped 6 lip	product function	
insulation voltage rated value degree of pollution surge voltage resistance rated value between main and auxiliary circuit between main and auxiliary circuit between control and auxili	on-site operation	No
degree of pollution 3 surge voltage resistance rated value 6 000 V maximum permissible voltage for protective separation • between control and auxiliary circuit 24 V protection class IP IP65 shock resistance 12g / 11 ms mechanical service life (operating cycles) of the main contacts typical 15 operating cycles) of the main contacts typical 15 operating cycles of the main contacts typical 15 of the certification 15 operating cycles of the main contacts typical 15 of the certification 15 operating cycles of the main contacts typical 15 of the certification 15 of the certif	 control circuit interface to parallel wiring 	No
surge voltage resistance rated value ***aximum permissible voltage for protective separation** **between main and auxiliary circuit** **between control and auxiliary circuit** **between control and auxiliary circuit** **between control and auxiliary circuit** **protection class IP** **protect feature* **protect feature* **protect feature* **protect control with 230 V AC* **prake control with 230 V AC* **prake control with 400 V AC* **prake control with 500 V DC* **product extension braking module for brake control No **product extension braking module for brake control No **product extension braking module for brake control No **product function short circuit protection Class IP* **product function shor	insulation voltage rated value	500 V
between main and auxiliary circuit • between rain and auxiliary circuit • between control and auxiliary circuit 24 V protection class IP shock resistance 12g / 11 ms 10 000 000 1000 000	degree of pollution	3
between main and auxiliary circuit between control and auxiliary circuit between control and auxiliary circuit 24 V protection class IP product for suitability CE Substance Prohibitance (Date) SVHC substance Prohibitance (Date) SVHC substance name Bielimonoxid (Bleioxid) - 1317-36-8 2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7 product function circuit start circuit for suitability circuit for suitability product feature brake control with 230 V AC brake control with 400 V AC brake control with 400 V AC brake control with 180 V DC brake control with 180 V DC brake control with 500 V DC product extension braking module for brake control product function short circuit protection maximum short-circuit urrent breaking capacity (Icu) at 400 V rated value 50 000 A EMC emitted interference according to IEC 60947-1 CISPR11, ambience A (industrial sector)	surge voltage resistance rated value	6 000 V
between control and auxiliary circuit protection class IP shock resistance 12g / 11 ms mechanical service life (operating cycles) of the main contacts typical type of assignment 2 certificate of suitability CE Substance Prohibitance (Date) SYHC substance name Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7 product function olirect start reverse starting roduct component motor brake output reproduct feature brake control with 230 V AC brake control with 400 V AC brake control with 180 V DC brake control with 180 V DC brake control with 500 V DC No product extension braking module for brake control product function short circuit protection aximum short-circuit protection at 500 V rated value at 500 V rated value at 500 V rated value at 600 FRR1, ambience A (industrial sector)	maximum permissible voltage for protective separation	
protection class IP shock resistance 12g / 11 ms mechanical service life (operating cycles) of the main contacts typical type of assignment 2 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	 between main and auxiliary circuit 	400 V
shock resistance ### 12g / 11 ms ### mechanical service life (operating cycles) of the main contacts typical ### 10 000 000	 between control and auxiliary circuit 	24 V
type of assignment 2 Substance Prohibitance (Date) 7/01/2006 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	protection class IP	IP65
type of assignment 2 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	shock resistance	12g / 11 ms
certificate of suitability Substance Prohibitance (Date) O7/01/2006 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 odirect start No reverse starting Yes product component motor brake output Yes product feature obrake control with 230 V AC No brake control with 400 V AC No brake control with 24 V DC No brake control with 180 V DC Yes brake control with 180 V DC Yes obrake control with 900 V DC No product extension braking module for brake control product function short circuit protection design of short-circuit protection maximum short-circuit current breaking capacity (Icu) at 400 V rated value at 400 V rated value So 000 A EMC emitted interference according to IEC 60947-1 CISPR11, ambience A (industrial sector)		10 000 000
Substance Prohibitance (Date) SVHC substance name Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 2.2's,6.6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7 product function • direct start	type of assignment	2
Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7 product function	certificate of suitability	CE
Bleimonoxid (Bleioxid) - 1317-36-8 2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7 product function • direct start • reverse starting product component motor brake output product feature • brake control with 230 V AC • brake control with 400 V AC • brake control with 24 V DC • brake control with 180 V DC • brake control with 500 V DC Product extension braking module for brake control No product function short circuit protection maximum short-circuit current breaking capacity (Icu) • at 400 V rated value • at 500 V rated value • at 500 V rated value EMC emitted interference according to IEC 60947-1 Source A service in in 177-36-8 2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7 No Prosident start No No No No No No Product extension brake output No product function short circuit protection Source in the ference according to IEC 60947-1 CISPR11, ambience A (industrial sector)	Substance Prohibitance (Date)	07/01/2006
 direct start reverse starting Yes product component motor brake output Yes product feature brake control with 230 V AC brake control with 400 V AC brake control with 24 V DC brake control with 180 V DC brake control with 500 V DC brake control with 500 V DC No product extension braking module for brake control No product function short circuit protection design of short-circuit protection maximum short-circuit current breaking capacity (Icu) at 400 V rated value at 500 V rated value 50 000 A EMC emitted interference according to IEC 60947-1 CISPR11, ambience A (industrial sector) 	SVHC substance name	Bleimonoxid (Bleioxid) - 1317-36-8
reverse starting Yes product component motor brake output Yes product feature brake control with 230 V AC brake control with 400 V AC brake control with 24 V DC brake control with 180 V DC brake control with 500 V DC ves brake control with 500 V DC No product extension braking module for brake control No product function short circuit protection design of short-circuit protection maximum short-circuit current breaking capacity (Icu) at 400 V rated value at 500 V rated value So 000 A EMC emitted interference according to IEC 60947-1 CISPR11, ambience A (industrial sector)	product function	
product component motor brake output Product feature brake control with 230 V AC brake control with 400 V AC brake control with 24 V DC brake control with 180 V DC brake control with 500 V DC No Product extension braking module for brake control Product function short circuit protection design of short-circuit protection eat 400 V rated value at 50 000 A EMC emitted interference according to IEC 60947-1 Vo No No So No No No So No No CISPR11, ambience A (industrial sector)	direct start	No
product feature • brake control with 230 V AC • brake control with 400 V AC • brake control with 24 V DC • brake control with 180 V DC • brake control with 500 V DC Product extension braking module for brake control product function short circuit protection design of short-circuit protection maximum short-circuit current breaking capacity (Icu) • at 400 V rated value • at 500 V rated value • at 500 V rated value EMC emitted interference according to IEC 60947-1 No No No Yes CISPR11, ambience A (industrial sector)	reverse starting	Yes
 brake control with 230 V AC brake control with 400 V AC brake control with 24 V DC brake control with 180 V DC brake control with 500 V DC brake control with 500 V DC No product extension braking module for brake control product function short circuit protection design of short-circuit protection maximum short-circuit current breaking capacity (Icu) at 400 V rated value at 500 V rated value 50 000 A EMC emitted interference according to IEC 60947-1 CISPR11, ambience A (industrial sector) 	product component motor brake output	Yes
 brake control with 400 V AC brake control with 24 V DC brake control with 180 V DC brake control with 500 V DC Product extension braking module for brake control No Product function short circuit protection design of short-circuit protection maximum short-circuit current breaking capacity (Icu) at 400 V rated value at 500 V rated value at 500 V rated value EMC emitted interference according to IEC 60947-1 No No No OOO A CISPR11, ambience A (industrial sector) 	product feature	
 brake control with 24 V DC brake control with 180 V DC brake control with 500 V DC No product extension braking module for brake control product function short circuit protection design of short-circuit protection maximum short-circuit current breaking capacity (Icu) at 400 V rated value at 500 V rated value at 500 V rated value EMC emitted interference according to IEC 60947-1 No No No No Oo Ave So 000 A (ISPR11, ambience A (industrial sector) 	 brake control with 230 V AC 	No
 brake control with 180 V DC brake control with 500 V DC No product extension braking module for brake control product function short circuit protection design of short-circuit protection maximum short-circuit current breaking capacity (Icu) at 400 V rated value at 500 V rated value EMC emitted interference according to IEC 60947-1 Yes CISPR11, ambience A (industrial sector) 	 brake control with 400 V AC 	No
 ▶ brake control with 500 V DC ▶ product extension braking module for brake control ▶ product function short circuit protection ★ design of short-circuit protection ★ design of short-circuit current breaking capacity (Icu) ★ at 400 V rated value ★ at 500 V rated value ★ at 500 V rated value ★ 50 000 A ★ EMC emitted interference according to IEC 60947-1 ★ CISPR11, ambience A (industrial sector) 	 brake control with 24 V DC 	No
product extension braking module for brake control product function short circuit protection design of short-circuit protection maximum short-circuit current breaking capacity (Icu) • at 400 V rated value • at 500 V rated value EMC emitted interference according to IEC 60947-1 No Yes Circuit-breakers 50 000 A 50 000 A CISPR11, ambience A (industrial sector)	 brake control with 180 V DC 	Yes
product function short circuit protection design of short-circuit protection maximum short-circuit current breaking capacity (Icu) • at 400 V rated value • at 500 V rated value EMC emitted interference according to IEC 60947-1 Yes Circuit-breakers 50 000 A 50 000 A CISPR11, ambience A (industrial sector)	brake control with 500 V DC	No
design of short-circuit protection maximum short-circuit current breaking capacity (Icu) • at 400 V rated value • at 500 V rated value 50 000 A EMC emitted interference according to IEC 60947-1 circuit-breakers 50 000 A CISPR11, ambience A (industrial sector)	product extension braking module for brake control	No
maximum short-circuit current breaking capacity (Icu) • at 400 V rated value • at 500 V rated value 50 000 A EMC emitted interference according to IEC 60947-1 CISPR11, ambience A (industrial sector)	product function short circuit protection	Yes
 at 400 V rated value at 500 V rated value 50 000 A EMC emitted interference according to IEC 60947-1 CISPR11, ambience A (industrial sector) 	design of short-circuit protection	circuit-breakers
• at 500 V rated value 50 000 A EMC emitted interference according to IEC 60947-1 CISPR11, ambience A (industrial sector)	maximum short-circuit current breaking capacity (Icu)	
EMC emitted interference according to IEC 60947-1 CISPR11, ambience A (industrial sector)	at 400 V rated value	50 000 A
	at 500 V rated value	50 000 A
EMC immunity according to IEC 60947-1 corresponds to degree of severity 3, ambience A (industrial sector)	EMC emitted interference according to IEC 60947-1	CISPR11, ambience A (industrial sector)

conducted interference		
due to burst according to IEC 61000-4-4	2 kV network connection / 1 kV control connection	
due to conductor-earth surge according to IEC 61000-4-5	2 kV	
due to conductor-conductor surge according to IEC	1 kV	
61000-4-5		
touch protection against electrical shock	finger-safe	
Main circuit		
number of poles for main current circuit	3	
design of the switching contact	electromechanical	
adjustable current response value current of the current- dependent overload release	0.15 2 A	
type of the motor protection	full motor protection	
operating voltage rated value	200 440 V	
operational current		
 at AC at 400 V rated value 	2 A	
at AC-3 at 400 V rated value	2 A	
operating power		
• at AC-3		
— at 400 V rated value	0.75 kW	
— at 500 V rated value	750 W	
• at AC-3e		
— at 400 V rated value	1 kW	
— at 500 V rated value	0.75 kW	
product function		
digital inputs parameterizable	No	
digital outputs parameterizable	No	
number of digital inputs	4	
number of sockets		
for digital output signals	1	
for digital input signals	4	
number of digital outputs	1	
Supply voltage		
type of 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		
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	24 V	
at DC rated value	20.4 28.8 V	
• at DC	20.4 28.8 V	
control current at DC		
CONTROL CUTTERN AL DC		
	100 mA	
• in standby mode of operation	100 mA 600 mA	
in standby mode of operation during operation	100 mA 600 mA	
in standby mode of operation during operation power loss [W] in auxiliary and control circuit	600 mA	
 in standby mode of operation during operation power loss [W] in auxiliary and control circuit in switching state OFF with bypass circuit 	600 mA 2.0736 W	
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	600 mA	
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	2.0736 W 4.1184 W	
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	2.0736 W 4.1184 W	
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	600 mA 2.0736 W 4.1184 W 85 ms 65 ms	
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	600 mA 2.0736 W 4.1184 W 85 ms 65 ms vertical, horizontal, flat	
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	600 mA 2.0736 W 4.1184 W 85 ms 65 ms vertical, horizontal, flat horizontal	
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	2.0736 W 4.1184 W 85 ms 65 ms vertical, horizontal, flat horizontal screw fixing	
in standby mode of operation during operation outring 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	2.0736 W 4.1184 W 85 ms 65 ms vertical, horizontal, flat horizontal screw fixing 215 mm	
in standby mode of operation during operation outling 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 in recommended fastening method height width	2.0736 W 4.1184 W 85 ms 65 ms vertical, horizontal, flat horizontal screw fixing 215 mm 294 mm	
in standby mode of operation during operation outring 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	2.0736 W 4.1184 W 85 ms 65 ms vertical, horizontal, flat horizontal screw fixing 215 mm	

ambient temperature	
ambient temperature	-25 +55 °C
during operation during storage	-40 +70 °C
	-40 +70 °C
during transport	
relative humidity during operation	10 95 %
protocol is supported	No
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	1.6 A
yielded mechanical performance [hp]	
• for 3-phase AC motor	
— at 460/480 V rated value	0.7 hp
— at 575/600 V rated value	1 hp
operating voltage at AC at 60 Hz according to CSA and UL rated value	600 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)

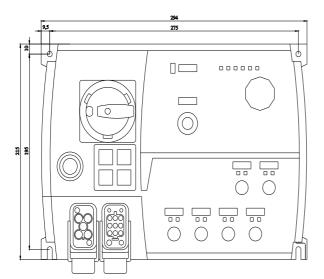
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK1315-6KS41-1AA5

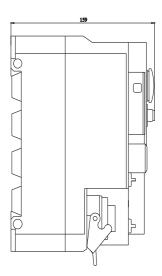
Cax online generator

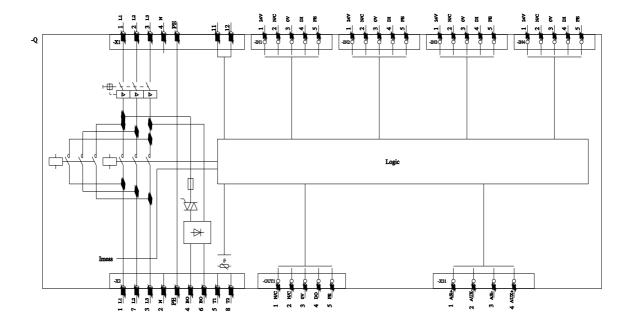
 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RK1315-6KS41-1AA5}$

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RK1315-6KS41-1A

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1315-6KS41-1AA5&lang=en







last modified: 8/9/2023 🖸