## **Data sheet**

## 3RK1308-0DA00-0CP0



Failsafe reversing starter High Feature; Electronic switching; Electronic overload protection up to 0.09 kW / 400 V; Adjustment range 0.1 .. 0.4 A; PROFlenergy; Option: 3DI/LC module

product brand name	SIMATIC
product category	Motor starter
product designation	Reversing starter
product type designation	ET 200SP
General technical data	
equipment variant according to IEC 60947-4-2	3
product function	Fail-safe reversing starter
<ul> <li>on-site operation</li> </ul>	Yes
<ul> <li>intrinsic device protection</li> </ul>	Yes
<ul> <li>remote firmware update</li> </ul>	Yes
<ul> <li>for power supply reverse polarity protection</li> </ul>	Yes
insulation voltage rated value	500 V
degree of pollution	2
overvoltage category	III
surge voltage resistance rated value	6 kV
maximum permissible voltage for protective separation	
<ul> <li>between main and auxiliary circuit</li> </ul>	500 V
shock resistance	6g / 11 ms
operating frequency maximum	1 1/s
mechanical service life (operating cycles) of the main contacts typical	30 000 000
type of assignment	1
utilization category	
according to IEC 60947-4-2	AC-53a: 0,4 A: (8-0,7: 70-32)
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	04/15/2016
SVHC substance name	Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol - 79-94-7 4,4'-isopropylidenediphenol (Bisphenol A, BPA) - 80-05-7
product function	
direct start	Yes
reverse starting	Yes
product component motor brake output	No
product function short circuit protection	Yes
design of short-circuit protection	fuse
maximum short-circuit current breaking capacity (Icu)	
• at 400 V rated value	55 kA
• at 500 V rated value	55 kA
<ul> <li>at 500 V according to UL 60947 rated value</li> </ul>	100 kA
maximum short-circuit current breaking capacity (Icu) in the IT network	

** 4500 V rated value  EMC embed interference according to IEC 60947-1  Cales A  Conducted interference  • due to burst according to IEC 61004-5  • due to conducted interference  • due to conducted interference  • due to conducted cent sugge according to IEC 61000-4.5  • due to conducted cent sugge according to IEC 61000-4.5  • due to conducted cent sugge according to IEC 61000-4.5  • due to reconducted cent sugge according to IEC 61000-4.5  • due to reconducted cent sugge according to IEC 61000-4.5  • due to reconducted cent sugge according to IEC 61000-4.5  • due to reconducted cent sugge according to IEC 61000-4.2  • due to reconducted file fireference according to IEC 61000-4.2  • due to reconducted file fireference emissions according to IEC 61000-4.2  • due to reconducted file fireference emissions according to CISPR11  Safety restrict cents  product function suitable for safety function  • safety restrict cents  product function suitable for safety function  • safety restrict destricts  product function suitable for safety function  • safety restrict destricts  function test interval maximum  diagnostics sets interval by internal test function maximum  stop category according to IEC 62024-1  propophorin of angients allevate with pid remaind rate  according to Six 1920  Bit Ovalue with high demand rate according to ISC 52061  Six 51008  Safety Integrity Level (SiL) according to ISC 51008  Safety Integrity Level (SiL) according to ISC 61508  Safety Integrity Level (SiL) according to ISC 61508  Fire according to ISC 51348-1  • of service life according to ISC 61508  Fire according	at 400 V rated value	55 kA
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Safety Integrity Level (SIL) according to IEC 62061  ISO 13849  performance level (PL) according to ISO 13849-1  category according to ISO 13849-1  overdimensioning according to ISO 13849-2 necessary  No  IEC 61508  Safety Integrity Level (SIL) according to IEC 61508  Safety Integrity Level (SIL) according to IEC 61508  Safety Integrity Level (SIL) according to IEC 61508  Safety ovice type according to IEC 61508-2  PFH according to IEC 61508 relating to SIL  PFDavg with low demand rate according to IEC 61508  Safe failure fraction (SFF)  99.5 %  hardware fault tolerance according to IEC 61508  IT value  of service life according to IEC 61508  Electrical Safety  touch protection against electrical shock  protection class IP on the front according to IEC 60529  IP20  touch protection on the front according to IEC 60529  ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  hardware fault tolerance according to IEC 61508 relating to ATEX  Main circuit  number of poles for main current circuit  adesign of the switching contact  adjustable current response value current of the current-dependent overload release  minimum load [%]  type of the motor protection  solid-state  operating voltage rated value  48 500 V		
performance level (PL) according to ISO 13849-1 e category according to ISO 13849-1 4 overdimensioning according to ISO 13849-2 necessary No IEC 61508 Safety Integrity Level (SIL) according to IEC 61508 SIL 3 safety device type according to IEC 61508-2 Type B PFH according to IEC 61508 ISE-7 Safe failure fraction (SFF) 99.5 % hardware fault tolerance according to IEC 61508 1 T1 value of service life according to IEC 61508 20 a Electrical Safety touch protection against electrical shock finger-safe protection class IP on the front according to IEC 60529 IP20 touch protection on the front according to IEC 61508 relating to ATEX Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX Main circuit number of poles for main current circuit 3 design of the switching contact adjustable current of the current-dependent overload release minimum load [%] type of the motor protection solid-state operating voltage rated value 48 500 V		3
performance level (PL) according to ISO 13849-1		
category according to ISO 13849-1  overdimensioning according to ISO 13849-2 necessary  No  IEC 61508  Safety Integrity Level (SIL) according to IEC 61508  safety device type according to IEC 61508-2  PFH according to IEC 61508 relating to SIL  PFDavg with low demand rate according to IEC 61508  Safe failure fraction (SFF)  99.5 %  hardware fault tolerance according to IEC 61508  1  11 value  of service life according to IEC 61508  Electrical Safety  touch protection against electrical shock protection class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529  finger-safe  ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  hardware fault tolerance according to IEC 61508 relating to ATEX  Main circuit number of poles for main current circuit  adjustable current response value current of the current-dependent overload release minimum load [%]  type of the motor protection solid-state operating voltage rated value  48 500 V		e
overdimensioning according to ISO 13849-2 necessary IEC 61508  Safety Integrity Level (SIL) according to IEC 61508  Safety device type according to IEC 61508-2  PFH according to IEC 61508 relating to SIL  PFDavg with low demand rate according to IEC 61508  8E-7  Safe failure fraction (SFF)  hardware fault tolerance according to IEC 61508  1  11 value  of service life according to IEC 61508  Electrical Safety  touch protection against electrical shock protection class IP on the front according to IEC 60529  finger-safe  ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  Main circuit  number of poles for main current circuit  design of the switching contact adjustable current response value current of the current-dependent overload release minimum load [%]  type of the motor protection solid-state noperating voltage rated value		
Safety Integrity Level (SIL) according to IEC 61508 SIL 3 safety device type according to IEC 61508-2 Type B  PFH according to IEC 61508 relating to SIL 6E-91/h  PFDavg with low demand rate according to IEC 61508 8E-7  Safe failure fraction (SFF) 99.5 %  hardware fault tolerance according to IEC 61508 1  T1 value  • of service life according to IEC 61508 20 a  Electrical Safety touch protection against electrical shock finger-safe protection class IP on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 finger-safe  ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  hardware fault tolerance according to IEC 61508 relating to ATEX  Main circuit number of poles for main current circuit 3 design of the switching contact Hybrid adjustable current response value current of the current-dependent overload release  minimum load [%] 50 %; from smallest adjustable rated current type of the motor protection solid-state operating voltage rated value 48 500 V		
Safety Integrity Level (SIL) according to IEC 61508 SIL 3  safety device type according to IEC 61508-2 Type B  PFH according to IEC 61508 relating to SIL 6E-9 1/h  PFDavg with low demand rate according to IEC 61508 8E-7  Safe failure fraction (SFF) 99.5 %  hardware fault tolerance according to IEC 61508 1  T1 value  • of service life according to IEC 61508 20 a  Electrical Safety  touch protection against electrical shock finger-safe protection class IP on the front according to IEC 60529 IP20  touch protection on the front according to IEC 60529 finger-safe  ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  hardware fault tolerance according to IEC 61508 relating to ATEX  Main circuit number of poles for main current circuit 3  design of the switching contact Hybrid  adjustable current response value current of the current-dependent overload release  minimum load [%] 50 %; from smallest adjustable rated current type of the motor protection solid-state operating voltage rated value 48 500 V		
safety device type according to IEC 61508-2  PFH according to IEC 61508 relating to SIL  PFDavg with low demand rate according to IEC 61508  Safe failure fraction (SFF)  Phardware fault tolerance according to IEC 61508  Electrical Safety  touch protection against electrical shock protection class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529  touch protection on the front according to IEC 60529  touch protection on the front according to IEC 60529  touch protection on the front according to IEC 60529  touch protection on the front according to IEC 60529  touch protection on the front according to IEC 60529  TIP20  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  hardware fault tolerance according to IEC 61508 relating to ATEX  Main circuit  number of poles for main current circuit  design of the switching contact  adjustable current response value current of the current-dependent overload release  minimum load [%]  50 %; from smallest adjustable rated current  type of the motor protection  solid-state  operating voltage rated value		SIL 3
PFH according to IEC 61508 relating to SIL  PFDavg with low demand rate according to IEC 61508  Safe failure fraction (SFF)  hardware fault tolerance according to IEC 61508  1  T1 value  • of service life according to IEC 61508  Electrical Safety  touch protection against electrical shock  protection class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529  touch protection on the front according to IEC 60529  touch protection on the front according to IEC 60529  finger-safe  ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  hardware fault tolerance according to IEC 61508 relating to ATEX  Main circuit  number of poles for main current circuit  adjustable current response value current of the current-dependent overload release  minimum load [%]  50 %; from smallest adjustable rated current type of the motor protection operating voltage rated value  48 500 V		
PFDavg with low demand rate according to IEC 61508  Safe failure fraction (SFF) hardware fault tolerance according to IEC 61508  1  1 value  • of service life according to IEC 61508 Electrical Safety touch protection against electrical shock protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 finger-safe  ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  Are a fault tolerance according to IEC 61508 relating to ATEX  Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release minimum load [%]  50 %; from smallest adjustable rated current type of the motor protection operating voltage rated value		•
Safe failure fraction (SFF) hardware fault tolerance according to IEC 61508  T1 value  • of service life according to IEC 61508  Electrical Safety touch protection against electrical shock protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 finger-safe  ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  hardware fault tolerance according to IEC 61508 relating to ATEX  Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release minimum load [%]  50 %; from smallest adjustable rated current type of the motor protection operating voltage rated value  48 500 V		
hardware fault tolerance according to IEC 61508 1  T1 value  • of service life according to IEC 61508 20 a  Electrical Safety  touch protection against electrical shock finger-safe protection class IP on the front according to IEC 60529 IP20  touch protection on the front according to IEC 60529 finger-safe  ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  hardware fault tolerance according to IEC 61508 relating to ATEX  Main circuit  number of poles for main current circuit 3  design of the switching contact Hybrid  adjustable current response value current of the current-dependent overload release  minimum load [%] 50 %; from smallest adjustable rated current type of the motor protection solid-state operating voltage rated value		
T1 value  • of service life according to IEC 61508  Electrical Safety  touch protection against electrical shock  protection class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529  finger-safe  ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  hardware fault tolerance according to IEC 61508 relating to ATEX  Main circuit  number of poles for main current circuit  adjustable current response value current of the current-dependent overload release  minimum load [%]  to ATEX (9.1 0.4 A  design of the motor protection  operating voltage rated value  48 500 V	. ,	
of service life according to IEC 61508      Electrical Safety      touch protection against electrical shock	·	
Electrical Safety  touch protection against electrical shock finger-safe protection class IP on the front according to IEC 60529 IP20  touch protection on the front according to IEC 60529 finger-safe  ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  hardware fault tolerance according to IEC 61508 relating to ATEX  Main circuit  number of poles for main current circuit 3 design of the switching contact Hybrid  adjustable current response value current of the current-dependent overload release minimum load [%] 50 %; from smallest adjustable rated current type of the motor protection solid-state operating voltage rated value 48 500 V		20.2
touch protection against electrical shock protection class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529  ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  hardware fault tolerance according to IEC 61508 relating to ATEX  Main circuit  number of poles for main current circuit  adjustable current response value current of the current-dependent overload release  minimum load [%]  to ATEX  finger-safe  IP20  SIL1  SIL1  1  ATEX  SIL1  1  ATEX  O.1 0.4 A  SIL1  SIL1  1  ATEX  Main circuit  1  SIL1	·	Δν α
protection class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529  ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  hardware fault tolerance according to IEC 61508 relating to ATEX  Main circuit  number of poles for main current circuit  design of the switching contact  adjustable current response value current of the current-dependent overload release  minimum load [%]  50 %; from smallest adjustable rated current type of the motor protection  operating voltage rated value  IRD 0.529  IP20  IP20  IRD 0.529  I	•	finger eafo
touch protection on the front according to IEC 60529 finger-safe  ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  hardware fault tolerance according to IEC 61508 relating to ATEX  Main circuit  number of poles for main current circuit 3 design of the switching contact Hybrid adjustable current response value current of the current-dependent overload release minimum load [%] 50 %; from smallest adjustable rated current type of the motor protection solid-state operating voltage rated value 48 500 V	<u> </u>	-
Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  hardware fault tolerance according to IEC 61508 relating to ATEX  Main circuit  number of poles for main current circuit 3  design of the switching contact Hybrid  adjustable current response value current of the current-dependent overload release  minimum load [%] 50 %; from smallest adjustable rated current type of the motor protection solid-state  operating voltage rated value 48 500 V	<u> </u>	
hardware fault tolerance according to IEC 61508 relating to ATEX  Main circuit  number of poles for main current circuit  adjustable current response value current of the current-dependent overload release  minimum load [%]  type of the motor protection  operating voltage rated value  1  1  1  1  1  1  1  1  1  1  1  1  1		iiiyei-sale
Main circuit  number of poles for main current circuit  design of the switching contact  adjustable current response value current of the current- dependent overload release  minimum load [%]  50 %; from smallest adjustable rated current type of the motor protection  operating voltage rated value  48 500 V		SIL1
number of poles for main current circuit  design of the switching contact  adjustable current response value current of the current- dependent overload release  minimum load [%]  50 %; from smallest adjustable rated current type of the motor protection  operating voltage rated value  48 500 V		1
design of the switching contact  adjustable current response value current of the current- dependent overload release  minimum load [%]  50 %; from smallest adjustable rated current type of the motor protection  operating voltage rated value  48 500 V	Main circuit	
adjustable current response value current of the current- dependent overload release  minimum load [%]  50 %; from smallest adjustable rated current type of the motor protection solid-state operating voltage rated value  48 500 V	number of poles for main current circuit	3
dependent overload release       minimum load [%]     50 %; from smallest adjustable rated current       type of the motor protection     solid-state       operating voltage rated value     48 500 V	design of the switching contact	Hybrid
type of the motor protection solid-state operating voltage rated value 48 500 V	•	0.1 0.4 A
operating voltage rated value 48 500 V	minimum load [%]	50 %; from smallest adjustable rated current
	type of the motor protection	solid-state
relative symmetrical tolerance of the operating voltage 10 %	operating voltage rated value	48 500 V
	relative symmetrical tolerance of the operating voltage	10 %

operating frequency 1 rated value	50 Hz
operating frequency 2 rated value	60 Hz
relative symmetrical tolerance of the operating frequency	5 %
relative positive tolerance of the operating frequency	5 %
relative negative tolerance of the operating frequency	5 %
operational current at AC at 400 V rated value	0.4 A
ampacity when starting maximum	4 A
operating power for 3-phase motors at 400 V at 50 Hz	0.06 0.12 kW
Inputs/ Outputs	
number of digital inputs	5
• note	4 via 3DI/LC module
safety-related	1
type of input characteristic	Type 1 in accordance with EN 61131-2
input voltage at digital input	
at DC rated value	24 V
with signal <0> at DC	0 5 V
• for signal <1> at DC	15 30
input current at digital input for signal <1> typical	0.009 A
Supply voltage	
	DC
type of voltage of the supply voltage	
supply voltage 1 at DC rated value	20.4 \/
minimum permissible     movimum permissible	20.4 V
maximum permissible	28.8 V
supply voltage at DC rated value	24 V
consumed current for rated value of supply voltage	
in standby mode of operation	95 mA
<ul><li>during operation</li></ul>	160 mA
at switching on of motor	250 mA
power loss [W] for rated value of supply voltage	
<ul> <li>in switching state OFF with bypass circuit</li> </ul>	2.3 W
in switching state ON with bypass circuit	3.8 W
inrush current peak at 24 V	25 A; Observe the manual for group configuration
duration of inrush current peak at 24 V	0.145 ms
Response times	
ON-delay time	35 ms
OFF-delay time	35 50 ms
OFF-delay time with safety-related request	
Or i -delay time with safety-related request	
when switched off via control inputs maximum	55 ms
	55 ms 120 ms
when switched off via control inputs maximum	
when switched off via control inputs maximum     when switched off via supply voltage maximum	
when switched off via control inputs maximum     when switched off via supply voltage maximum  Power Electronics	
when switched off via control inputs maximum     when switched off via supply voltage maximum  Power Electronics  operational current     at 40 °C rated value	120 ms
when switched off via control inputs maximum     when switched off via supply voltage maximum  Power Electronics  operational current     at 40 °C rated value     at 50 °C rated value	0.4 A 0.4 A
when switched off via control inputs maximum     when switched off via supply voltage maximum  Power Electronics  operational current     at 40 °C rated value     at 50 °C rated value     at 55 °C rated value	0.4 A 0.4 A 0.4 A
when switched off via control inputs maximum     when switched off via supply voltage maximum  Power Electronics  operational current     at 40 °C rated value     at 50 °C rated value     at 55 °C rated value     at 60 °C rated value	0.4 A 0.4 A
when switched off via control inputs maximum     when switched off via supply voltage maximum  Power Electronics  operational current     at 40 °C rated value     at 50 °C rated value     at 55 °C rated value     at 60 °C rated value     at 60 °C rated value     Installation/ mounting/ dimensions	0.4 A 0.4 A 0.4 A 0.4 A
when switched off via control inputs maximum     when switched off via supply voltage maximum  Power Electronics  operational current     at 40 °C rated value     at 50 °C rated value     at 55 °C rated value     at 60 °C rated value     at 60 °C rated value     mounting position	0.4 A 0.4 A 0.4 A 0.4 A 0.4 A Vertical, horizontal (observe derating)
when switched off via control inputs maximum     when switched off via supply voltage maximum  Power Electronics  operational current     at 40 °C rated value     at 50 °C rated value     at 55 °C rated value     at 60 °C rated value     lost 60 °C rated value  Installation/ mounting/ dimensions  mounting position  fastening method	0.4 A 0.4 B 0.4 A 0.4 A
when switched off via control inputs maximum     when switched off via supply voltage maximum  Power Electronics  operational current     at 40 °C rated value     at 50 °C rated value     at 55 °C rated value     at 60 °C rated value     lost 60 °C rated value  Installation/ mounting/ dimensions  mounting position  fastening method  height	0.4 A 0.4 B  Vertical, horizontal (observe derating) pluggable in BaseUnit 142 mm
when switched off via control inputs maximum     when switched off via supply voltage maximum  Power Electronics  operational current     at 40 °C rated value     at 50 °C rated value     at 55 °C rated value     at 60 °C rated value     lnstallation/ mounting/ dimensions  mounting position  fastening method  height  width	0.4 A 0.4 B  Vertical, horizontal (observe derating) pluggable in BaseUnit 142 mm 30 mm
when switched off via control inputs maximum     when switched off via supply voltage maximum  Power Electronics  operational current     at 40 °C rated value     at 50 °C rated value     at 55 °C rated value     at 60 °C rated value     linstallation/ mounting/ dimensions     mounting position  fastening method  height  width  depth	0.4 A 0.4 B  Vertical, horizontal (observe derating) pluggable in BaseUnit 142 mm
when switched off via control inputs maximum     when switched off via supply voltage maximum  Power Electronics  operational current     at 40 °C rated value     at 50 °C rated value     at 55 °C rated value     at 60 °C rated value     at 60 °C rated value  Installation/ mounting/ dimensions  mounting position fastening method height width depth required spacing with side-by-side mounting	0.4 A 0.4 B  Vertical, horizontal (observe derating) pluggable in BaseUnit 142 mm 30 mm 150 mm
when switched off via control inputs maximum     when switched off via supply voltage maximum  Power Electronics  operational current     at 40 °C rated value     at 55 °C rated value     at 55 °C rated value     at 60 °C rated value     at 60 °C rated value  Installation/ mounting/ dimensions  mounting position fastening method height width depth required spacing with side-by-side mounting     upwards	0.4 A  Vertical, horizontal (observe derating) pluggable in BaseUnit 142 mm 30 mm 150 mm
when switched off via control inputs maximum     when switched off via supply voltage maximum  Power Electronics  operational current     at 40 °C rated value     at 50 °C rated value     at 55 °C rated value     at 60 °C rated value     linstallation/ mounting/ dimensions  mounting position fastening method height width depth required spacing with side-by-side mounting     upwards     downwards	0.4 A 0.4 B  Vertical, horizontal (observe derating) pluggable in BaseUnit 142 mm 30 mm 150 mm
when switched off via control inputs maximum     when switched off via supply voltage maximum  Power Electronics  operational current     at 40 °C rated value     at 55 °C rated value     at 55 °C rated value     at 60 °C rated value     at 60 °C rated value  Installation/ mounting/ dimensions  mounting position fastening method height width depth required spacing with side-by-side mounting     upwards	0.4 A 0.4 A 0.4 A 0.4 A 0.4 A 0.4 A  Vertical, horizontal (observe derating) pluggable in BaseUnit 142 mm 30 mm 150 mm 50 mm
when switched off via control inputs maximum     when switched off via supply voltage maximum  Power Electronics  operational current     at 40 °C rated value     at 50 °C rated value     at 55 °C rated value     at 60 °C rated value     linstallation/ mounting/ dimensions  mounting position fastening method height width depth required spacing with side-by-side mounting     upwards     downwards	0.4 A  Vertical, horizontal (observe derating) pluggable in BaseUnit 142 mm 30 mm 150 mm
when switched off via control inputs maximum     when switched off via supply voltage maximum  Power Electronics  operational current     at 40 °C rated value     at 55 °C rated value     at 60 °C rated value     at 60 °C rated value  Installation/ mounting/ dimensions  mounting position fastening method height width depth  required spacing with side-by-side mounting     upwards     downwards  Ambient conditions	0.4 A 0.4 A 0.4 A 0.4 A 0.4 A 0.4 A  Vertical, horizontal (observe derating) pluggable in BaseUnit 142 mm 30 mm 150 mm 50 mm
when switched off via control inputs maximum     when switched off via supply voltage maximum  Power Electronics  operational current     at 40 °C rated value     at 50 °C rated value     at 55 °C rated value     at 60 °C rated value     at 60 °C rated value  Installation/ mounting/ dimensions  mounting position fastening method height width depth required spacing with side-by-side mounting     upwards     downwards  Ambient conditions installation altitude at height above sea level maximum	0.4 A 0.4 A 0.4 A 0.4 A 0.4 A 0.4 A  Vertical, horizontal (observe derating) pluggable in BaseUnit 142 mm 30 mm 150 mm 50 mm
when switched off via control inputs maximum     when switched off via supply voltage maximum  Power Electronics  operational current     at 40 °C rated value     at 55 °C rated value     at 55 °C rated value     at 60 °C rated value  Installation/ mounting/ dimensions  mounting position fastening method height width depth required spacing with side-by-side mounting     upwards     downwards  Ambient conditions installation altitude at height above sea level maximum ambient temperature	0.4 A 0.4 A 0.4 A 0.4 A 0.4 A 0.4 A  Vertical, horizontal (observe derating) pluggable in BaseUnit 142 mm 30 mm 150 mm 50 mm 50 mm
when switched off via control inputs maximum     when switched off via supply voltage maximum  Power Electronics  operational current     at 40 °C rated value     at 50 °C rated value     at 55 °C rated value     at 60 °C rated value  Installation/ mounting/ dimensions  mounting position  fastening method  height  width  depth  required spacing with side-by-side mounting     upwards     downwards  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature     during operation	0.4 A 0.4 A 0.4 A 0.4 A 0.4 A 0.4 A  Vertical, horizontal (observe derating) pluggable in BaseUnit 142 mm 30 mm 150 mm  50 mm 50 mm 50 mm

environmental category during operation according to IEC	3K6 (no formation of ice, no condensation), 3C3 (no salt mist), 3S2 (sand must
60721	not get into the devices)
relative humidity during operation	10 95 %
air pressure according to SN 31205	900 1 060 hPa
ommunication/ Protocol	
protocol is supported	
<ul> <li>PROFIBUS DP protocol</li> </ul>	Yes
PROFINET protocol	Yes
product function bus communication	Yes
protocol is supported AS-Interface protocol	No
product function	
<ul> <li>supports PROFlenergy measured values</li> </ul>	Yes
<ul> <li>supports PROFlenergy shutdown</li> </ul>	Yes
address space memory of address range	
of the inputs	4 byte
of the outputs	2 byte
type of electrical connection of the communication interface	Plug contact to Base Unit
onnections/ Terminals	
type of electrical connection	
<ul> <li>1 for digital input signals</li> </ul>	Pluggable module - accessory
<ul> <li>2 for digital input signals</li> </ul>	Plug contact to Base Unit
type of electrical connection	
<ul> <li>for main energy infeed</li> </ul>	Plug contact to Base Unit
<ul> <li>for load-side outgoing feeder</li> </ul>	Plug contact to Base Unit
<ul> <li>for supply voltage line-side</li> </ul>	Plug contact to Base Unit
wire length for motor unshielded maximum	200 m
L/CSA ratings	
full-load current (FLA) for 3-phase AC motor at 480 V rated value	0.4 A
operating voltage at AC at 60 Hz according to CSA and UL rated value	480 V
pprovals Certificates	



**General Product Approval** 







Confirmation





For use in hazard-EMV **Functional Saftey Test Certificates** Marine / Shipping ous locations



<u>KC</u>



Type Examination Cer**tificate** 

Type Test Certificates/Test Report



**Industrial Commu-**Marine / Shipping other **Environment** nication





Confirmation

Environmental Con-firmations



Profibus

## Further information

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

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

https://www.siemens.com/ic10

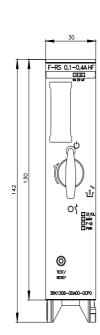
Industry Mall (Online ordering system)

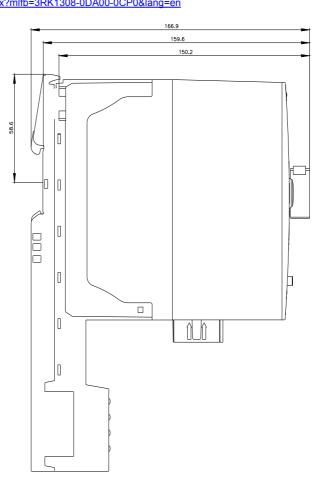
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK1308-0DA00-0CP0

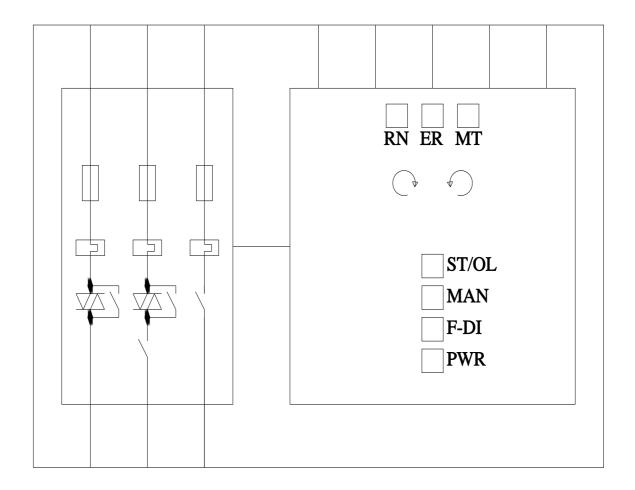
Cax online generator

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RK1308-0DA00-0CP0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax">http://www.automation.siemens.com/bilddb/cax</a> de.aspx?mlfb=3RK1308-0DA00-0CP0&lang=en







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