SIEMENS

Data sheet 3RM1001-3AA04



direct-on-line starter, 3RM1, 500 V, 0 - 0.12 kW, 0.1 - 0.5 A, 24 V DC, screw/spring-loaded terminals (push-in)

product brand name product designation Direct-on-line starter with electronic overload protection product type designation General technical data equipment version according to IEC 60947-4-2 3 product function infinitisc device protection infinitisc device protection in for power supply reverse polarity protection in for power supply reverse polarity protection in thin and availability for operation device connector 3ZY12 power loss [W] for rated value of the current if the control and current starter typical insulation voltage rated value overvoltage category Ill maximum permissible voltage for protective separation between main and auxiliary circuit between main and auxiliary circuit between control and auxiliary circuit between main and even for the current auxiliary circuit between main and even for the current auxiliary circuit between control and auxiliary circuit between control and auxiliary circuit between device protection auxiliary circuit between device protection auxiliary circuit between device protection auxiliary circuit control auxiliary ci		
product designation	product brand name	SIRIUS
design of the product product type designation 3RMI General technical data equipment version according to IEC 60947-4-2 3 product function intrinsic device protection of power supply reverse polarity protection No suitability for operation device connector 32Y12 power loss [W] for rated value of the current other without load current share typical insulation voltage rated value without load current share typical insulation voltage rated value surge voltage resistance rated value between main and auxiliary circuit between control and auxiliary circuit between control and auxiliary circuit between control and auxiliary circuit shock resistance operating frequency maximum 11/8 surge resistance (Bat 1346-2 Q Substance Prohibitance (Date) 3VHC substance name Lead -7439-92-1 Lead monoxide (lead oxide) - 79-94-7 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one -71968-10-5 6-6-de-te-buyl-2-2-methylenedi-p-cresol - 119-47-1 Velght rorduct function officed start reverse starting No product function short circuit protection No Electromagnetic compatibility EMC emitted interference oducted interference oducted interference of due to burst according to IEC 60004-4 3 kV / 5 kHz	product category	Motor starter
Product type designation SRM1	product designation	Direct-on-line starter
equipment version according to IEC 60947-4-2 aquipment version according to IEC 60947-4-2 product function intrinsic device protection for power supply reverse polarity protection version of power supply reverse polarity protection autability for operation device connector 3ZY12 yes power loss IVM for rated value of the current at AC in hot operating state per pole without load current share typical insulation vottage rated value overvottage rated value overvottage rated value surge vottage resistance rated value between main and auxiliary circuit between main and auxiliary circuit between control and auxiliary circuit between control and auxiliary circuit operating frequency maximum 11/s reference code according to IEC 81346-2 Qu Substance (Date) SVHC substance (Date) SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 2,2,6,6-6-letrabromo-4,4-isopropyidenediphenol - 79-94-7 2-methyl-1-(4-methythiophenyl)2-morphiomorpopan-1-one - 71868-10-5 6,6-6-6-ier-buryl-2,2-methylenedi-p-cresol - 119-47-1 Weight reverse starting olitect start electromagnetic compatibility EMC emitted interference according to IEC 60947-1 class A EMC immunity according to IEC 61000-4-4 skyl/5 kHz	design of the product	with electronic overload protection
equipment version according to IEC 60947-4-2 product function intrinsic device protection for power supply reverse polarity protection No suitability for operation device connector 3ZY12 power loss [W] for rated value of the current at AC in hot operating state per pole without load current share typical insulation voltage rated value overvoltage category III surge voltage resistance rated value between main and auxiliary circuit between main and auxiliary circuit between main and auxiliary circuit between control and auxiliary circuit between roating frequency maximum reference code according to IEC 81346-2 Substance Prohibitance (Date) SVHC substance name Weight product function direct start reverse starting reverse starting reverse starting reverse starting reverse starting reproduct function direct start reverse starting reproduct function short circuit protection No Electromagnetic compatibility EMC emitted interference according to IEC 60947-1 EMC immunity according to IEC 60947-1 class A EMC immunity according to IEC 61000-4-4 3 kV / 5 kHz	product type designation	3RM1
product function intrinsic device protection intrinsic device protection for power supply reverse polarity protection sultability for operation device connector 32Y12 power loss [W] for rated value of the current at AC in hot operating state per pole without load current share typical insulation voltage rated value overvoltage category ill surge voltage resistance rated value obetween main and auxiliary circuit between main and auxiliary circuit between control and auxiliary circuit between control and auxiliary circuit operating frequency maximum 1 11/8 reference code according to IEC 81346-2 Qu Substance Prohibitance (Date) SVHC substance name Lead "7439-92-1 Lead "monoxide (lead oxide) - 1317-36-8 2.2(6,6"-terabromo-4,4"-terabromyldienediphenol - 79-94-7 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5 6,6"-di-ert-butyl-2,2"-methylenedi-p-cresol - 119-47-1 Veight reference according to IEC 60947-1 class A Class A Class A Class A EMC immunity according to IEC 60947-1 class (Class A Class A Conducted interference e due to burst according to IEC 61000-4-4 3 kV/ 5 kHz	General technical data	
intrinsic device protection for power supply reverse polarity protection No No Suitability for operation device connector 3ZY12 power loss fWJ for rated value of the current at AC in hot operating state per pole without load current share typical insulation voltage rated value overvoltage category III surge voltage resistance rated value between main and auxiliary circuit between main and auxiliary circuit between control and auxiliary circuit between control and auxiliary circuit shock resistance vibration resistance Vibrati	equipment version according to IEC 60947-4-2	3
• for power supply reverse polarity protection suitability for operation device connector 3ZY12 power loss [W] for rated value of the current • at AC in hot operating state per pole • without load current share typical Insulation voltage rated value overvoltage category Ill surge voltage resistance rated value maximum permissible voltage for protective separation • between main and auxiliary circuit • between control and auxiliary circuit • between control and auxiliary circuit operating frequency maximum reference code according to IEC 81346-2 Substance Prohibitance (Date) 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 2-methyl-1.4'-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5 6.6'-diert-burly-2.2'-methylenedi-p-cresol - 119-47-1 Weight product function • direct start • reverse starting No product function short circuit protection No Electromagnetic compatibility EMC emitted interference according to IEC 60947-1 class A Conducted interference • due to burst according to IEC 60000-44 3 kW / 5 kHz	product function	Direct-on-line starter
suitability for operation device connector 3ZY12 power loss [W] for rated value of the current at AC in hot operating state per pole without load current share typical insulation voltage rated value overvoltage category surge voltage resistance rated value between main and auxiliary circuit between main and auxiliary circuit between control and auxiliary circuit between control and auxiliary circuit coperating frequency maximum 11/s reference code according to IEC 81346-2 Substance Prohibitance (Date) SVHC substance name Lead -7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 2,2,6,6-4-terlaborno-4,4-isopropylidenediphenol - 79-94-7 2-methyl-1,4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5 6,6'-di-terl-butyl-2,2-methylenedi-p-cresol - 119-47-1 Weight o a direct start o reverse starting product function short circuit protection No Electromagnetic compatibility EMC emitted interference according to IEC 60947-1 class A conducted interference o due to burst according to IEC 61000-4-4 3 kV / 5 kHz	 intrinsic device protection 	Yes
power loss [W] for rated value of the current at AC in hot operating state per pole without load current share typical insulation voltage rated value overvoltage category III surge voltage resistance rated value between control and auxiliary circuit between	 for power supply reverse polarity protection 	No
at AC in hot operating state per pole without load current share typical insulation voltage rated value overvoltage category III surge voltage resistance rated value between main and auxiliary circuit between main and auxiliary circuit between control and auxiliary circuit coperating frequency maximum 1 1/s reference code according to IEC 81346-2 Qu Substance Prohibitance (Date) 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 2-methyl-1-(4-methylthiophenyl-)-2-morpholinopropan-1-one - 71868-10-5 6,6°-di-tert-butyl-2,2'-methylenedi-p-cresol - 119-47-1 Weight Product function direct start reverse starting No product function short circuit protection No Electromagnetic compatibility EMC emitted interference according to IEC 60947-1 class A Conducted interference due to burst according to IEC 61000-4-4 3 kV / 5 kHz	suitability for operation device connector 3ZY12	Yes
without load current share typical Insulation voltage rated value Son ∨ overvoltage category Ill surge voltage resistance rated value	power loss [W] for rated value of the current	
insulation voltage rated value overvoltage category surge voltage resistance rated value 6 kV maximum permissible voltage for protective separation • between main and auxiliary circuit 500 V • between control and auxiliary circuit 500 V shock resistance 6g / 11 ms vibration resistance 1 6 Hz, 15 mm; 20 m/s², 500 Hz operating frequency maximum 1 1/s reference code according to IEC 81346-2 Qu Substance Prohibitance (Date) 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 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5 6,6°-di-tert-butyl-2,2'-methylenedi-p-cresol - 119-47-1 Weight product function • direct start • reverse starting No product function short circuit protection EMC emitted interference according to IEC 60947-1 EMC immunity according to IEC 60947-1 Class A conducted interference • due to burst according to IEC 61000-4-4 3 kV / 5 kHz	 at AC in hot operating state per pole 	0.01 W
overvoltage category surge voltage resistance rated value 6 kV maximum permissible voltage for protective separation • between main and auxiliary circuit 500 V • between control and auxiliary circuit 250 V shock resistance 6g / 11 ms vibration resistance 1 6 Hz, 15 mm; 20 m/s², 500 Hz operating frequency maximum 1 1/s reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 33/01/2017 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 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5 6,6'-di-tetr-butyl-2,2'-methylenedi-p-cresol - 119-47-1 Weight 0.3 kg product function • direct start • reverse starting No product function short circuit protection No Electromagnetic compatibility EMC emitted interference according to IEC 60947-1 Class A EMC immunity according to IEC 60947-1 Class A conducted interference • due to burst according to IEC 61000-4-4 3 kV / 5 kHz	without load current share typical	1.68 W
surge voltage resistance rated value maximum permissible voltage for protective separation	insulation voltage rated value	500 V
maximum permissible voltage for protective separation • between main and auxiliary circuit • between control and auxiliary circuit 500 V • between control and auxiliary circuit 500 V shock resistance 6g / 11 ms 1 6 Hz, 15 mm; 20 m/s², 500 Hz operating frequency maximum 1 1/s reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 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 2-methyl-1-(4-methyl-1-(4-methyl-penyl))-2-morpholinopropan-1-one - 71868-10-5 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol - 119-47-1 Weight product function • direct start • reverse starting No product function short circuit protection Electromagnetic compatibility EMC emitted interference according to IEC 60947-1 class A Conducted interference • due to burst according to IEC 61000-4-4 3 kV / 5 kHz	overvoltage category	III
between main and auxiliary circuit between control and auxiliary circuit shock resistance 6g / 11 ms vibration resistance 1 6 Hz, 15 mm; 20 m/s², 500 Hz operating frequency maximum 1 1/s reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 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 2-methyl-1-(4-methyl-1-2,2'-methylenedi-p-cresol - 119-47-1 Weight 0,3 kg product function • direct start • reverse starting No product function short circuit protection Electromagnetic compatibility EMC emitted interference according to IEC 60947-1 Class A conducted interference • due to burst according to IEC 61000-4-4 3 kV / 5 kHz	surge voltage resistance rated value	6 kV
between control and auxiliary circuit shock resistance 6g / 11 ms vibration resistance 1 6 Hz, 15 mm; 20 m/s², 500 Hz operating frequency maximum 1 1/s reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 3/01/2017 SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 2,2²,6,6²-tetrabromo-4,4²-isopropylidenediphenol - 79-94-7 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5 6,6²-di-tert-butyl-2,2²-methylenedi-p-cresol - 119-47-1 Weight product function olirect start reserves starting No product function short circuit protection No Electromagnetic compatibility EMC emitted interference according to IEC 60947-1 Class A conducted interference olue to burst according to IEC 61000-4-4 3 kV / 5 kHz	maximum permissible voltage for protective separation	
shock resistance vibration resistance vibration resistance 1 6 Hz, 15 mm; 20 m/s², 500 Hz operating frequency maximum 1 1/s reference code according to IEC 81346-2 Q Substance Prohibitance (Date) SVHC substance name Lead -7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 2,2/6,6'-detrabromo-4,4'-isopropylidenediphenol - 79-94-7 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol - 119-47-1 Weight product function officet start reverse starting No product function short circuit protection No Electromagnetic compatibility EMC emitted interference according to IEC 60947-1 Class A conducted interference of the direct start of the companies	 between main and auxiliary circuit 	500 V
vibration resistance operating frequency maximum reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 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 2,-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol - 119-47-1 Weight 0.3 kg product function	 between control and auxiliary circuit 	250 V
operating frequency maximum reference code according to IEC 81346-2 Substance Prohibitance (Date) 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 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol - 119-47-1 Weight 0.3 kg product function e direct start reverse starting No product function short circuit protection Electromagnetic compatibility EMC emitted interference according to IEC 60947-1 Class A conducted interference e due to burst according to IEC 61000-4-4 3 kV / 5 kHz	shock resistance	6g / 11 ms
reference code according to IEC 81346-2 Substance Prohibitance (Date) 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 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol - 119-47-1 Weight product function	vibration resistance	1 6 Hz, 15 mm; 20 m/s², 500 Hz
Substance Prohibitance (Date) 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 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol - 119-47-1 Weight product function	operating frequency maximum	1 1/s
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 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol - 119-47-1 Weight 0.3 kg product function olirect start reverse starting No product function short circuit protection No Electromagnetic compatibility EMC emitted interference according to IEC 60947-1 Class A Conducted interference olive to burst according to IEC 61000-4-4 3 kV / 5 kHz	reference code according to IEC 81346-2	Q
Lead monoxide (lead oxide) - 1317-36-8 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol - 79-94-7 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol - 119-47-1 Weight 0.3 kg product function	Substance Prohibitance (Date)	03/01/2017
product function	SVHC substance name	Lead monoxide (lead oxide) - 1317-36-8 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol - 79-94-7 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5
• direct start • reverse starting No product function short circuit protection No Electromagnetic compatibility EMC emitted interference according to IEC 60947-1 Class A EMC immunity according to IEC 60947-1 Class A conducted interference • due to burst according to IEC 61000-4-4 3 kV / 5 kHz	Weight	0.3 kg
● reverse starting Product function short circuit protection No Electromagnetic compatibility EMC emitted interference according to IEC 60947-1 class A EMC immunity according to IEC 60947-1 Class A conducted interference ● due to burst according to IEC 61000-4-4 3 kV / 5 kHz	product function	
product function short circuit protection No Electromagnetic compatibility EMC emitted interference according to IEC 60947-1 class A EMC immunity according to IEC 60947-1 Class A conducted interference • due to burst according to IEC 61000-4-4 3 kV / 5 kHz	direct start	Yes
Electromagnetic compatibility EMC emitted interference according to IEC 60947-1 class A EMC immunity according to IEC 60947-1 Class A conducted interference • due to burst according to IEC 61000-4-4 3 kV / 5 kHz	reverse starting	No
EMC emitted interference according to IEC 60947-1 class A EMC immunity according to IEC 60947-1 Class A conducted interference • due to burst according to IEC 61000-4-4 3 kV / 5 kHz	product function short circuit protection	No
EMC immunity according to IEC 60947-1 Class A conducted interference • due to burst according to IEC 61000-4-4 3 kV / 5 kHz	Electromagnetic compatibility	
conducted interference ● due to burst according to IEC 61000-4-4 3 kV / 5 kHz	EMC emitted interference according to IEC 60947-1	class A
due to burst according to IEC 61000-4-4 3 kV / 5 kHz	EMC immunity according to IEC 60947-1	Class A
	conducted interference	
• due to conductor-earth surge according to IEC 61000-4-5 2 kV	 due to burst according to IEC 61000-4-4 	3 kV / 5 kHz
	• 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 • due to high-frequency radiation according to IEC 61000-	10 V
4-6	
field-based interference according to IEC 61000-4-3	10 V/m
electrostatic discharge according to IEC 61000-4-2	4 kV contact discharge / 8 kV air discharge
conducted HF interference emissions according to CISPR11	Class B for the domestic, business and commercial environments
field-bound HF interference emission according to CISPR11	Class B for the domestic, business and commercial environments
Electrical Safety	
protection class IP on the front according to IEC 60529	IP20
touch protection on the front according to IEC 60529	finger-safe
Main circuit	
number of poles for main current circuit	3
design of the switching contact	Hybrid
design of the switching contact as NO contact for signaling function	OUT, electronic, 24 V DC, 15 mA
adjustable current response value current of the current- dependent overload release	0.1 0.5 A
minimum load [%]	20 %; from set rated current
type of the motor protection	solid-state
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	10 %
operational current	0.5.4
at AC at 400 V rated value at AC 3 at 400 V rated value	0.5 A
• at AC-3 at 400 V rated value	0.5 A
at AC-53a at 400 V at ambient temperature 40 °C rated value	0.5 A
ampacity when starting maximum	4 A
operating power for 3-phase motors at 400 V at 50 Hz	0 0.12 kW
I	
Inputs/ Outputs	
input voltage at digital input	24.V
input voltage at digital input • at DC rated value	24 V
 input voltage at digital input at DC rated value with signal <0> at DC 	0 5 V
input voltage at digital input at DC rated value with signal <0> at DC for signal <1> at DC	
input voltage at digital input at DC rated value with signal <0> at DC for signal <1> at DC input current at digital input	0 5 V 15 30
input voltage at digital input at DC rated value with signal <0> at DC for signal <1> at DC input current at digital input for signal <1> at DC	0 5 V 15 30
input voltage at digital input at DC rated value with signal <0> at DC for signal <1> at DC input current at digital input for signal <1> at DC with signal <0> at DC	0 5 V 15 30 11 mA 1 mA
input voltage at digital input at DC rated value with signal <0> at DC for signal <1> at DC input current at digital input for signal <1> at DC with signal <0> at DC number of CO contacts for auxiliary contacts	0 5 V 15 30 11 mA 1 mA
input voltage at digital input at DC rated value with signal <0> at DC for signal <1> at DC input current at digital input for signal <1> at DC with signal <0> at DC number of CO contacts for auxiliary contacts operational current of auxiliary contacts at AC-15 at 230 V maximum	0 5 V 15 30 11 mA 1 mA 1 3 A
input voltage at digital input at DC rated value with signal <0> at DC for signal <1> at DC input current at digital input for signal <1> at DC with signal <0> at DC with signal <0> at DC number of CO contacts for auxiliary contacts operational current of auxiliary contacts at AC-15 at 230 V maximum operational current of auxiliary contacts at DC-13 at 24 V maximum	0 5 V 15 30 11 mA 1 mA
input voltage at digital input at DC rated value with signal <0> at DC for signal <1> at DC input current at digital input for signal <1> at DC with signal <0> at DC with signal <0> at DC number of CO contacts for auxiliary contacts operational current of auxiliary contacts at AC-15 at 230 V maximum operational current of auxiliary contacts at DC-13 at 24 V maximum Control circuit/ Control	0 5 V 15 30 11 mA 1 mA 1 3 A
input voltage at digital input at DC rated value with signal <0> at DC for signal <1> at DC input current at digital input for signal <1> at DC with signal <0> at DC with signal <0> at DC number of CO contacts for auxiliary contacts operational current of auxiliary contacts at AC-15 at 230 V maximum operational current of auxiliary contacts at DC-13 at 24 V maximum Control circuit/ Control type of voltage of the control supply voltage	0 5 V 15 30 11 mA 1 mA 1 3 A
input voltage at digital input at DC rated value with signal <0> at DC for signal <1> at DC input current at digital input for signal <1> at DC with signal <0> at DC with signal <0> at DC number of CO contacts for auxiliary contacts operational current of auxiliary contacts at AC-15 at 230 V maximum operational current of auxiliary contacts at DC-13 at 24 V maximum Control circuit/ Control type of voltage of the control supply voltage control supply voltage at DC rated value	0 5 V 15 30 11 mA 1 mA 1 3 A 1 A
input voltage at digital input at DC rated value with signal <0> at DC for signal <1> at DC input current at digital input for signal <1> at DC with signal <0> at DC with signal <0> at DC number of CO contacts for auxiliary contacts operational current of auxiliary contacts at AC-15 at 230 V maximum operational current of auxiliary contacts at DC-13 at 24 V maximum Control circuit/ Control type of voltage of the control supply voltage	0 5 V 15 30 11 mA 1 mA 1 3 A 1 A
input voltage at digital input at DC rated value with signal <0> at DC for signal <1> at DC input current at digital input for signal <1> at DC with signal <0> at DC with signal <0> at DC number of CO contacts for auxiliary contacts operational current of auxiliary contacts at AC-15 at 230 V maximum operational current of auxiliary contacts at DC-13 at 24 V maximum Control circuit/ Control type of voltage of the control supply voltage control supply voltage at DC rated value relative negative tolerance of the control supply voltage at	0 5 V 15 30 11 mA 1 mA 1 3 A 1 A
input voltage at digital input at DC rated value with signal <0> at DC for signal <1> at DC input current at digital input for signal <1> at DC with signal <0> at DC with signal <0> at DC number of CO contacts for auxiliary contacts operational current of auxiliary contacts at AC-15 at 230 V maximum operational current of auxiliary contacts at DC-13 at 24 V maximum Control circuit/ Control type of voltage of the control supply voltage control supply voltage at DC rated value relative negative tolerance of the control supply voltage at DC relative positive tolerance of the control supply voltage at	0 5 V 15 30 11 mA 1 mA 1 3 A 1 A
input voltage at digital input at DC rated value with signal <0> at DC for signal <1> at DC input current at digital input for signal <1> at DC with signal <0> at DC with signal <0> at DC number of CO contacts for auxiliary contacts operational current of auxiliary contacts at AC-15 at 230 V maximum operational current of auxiliary contacts at DC-13 at 24 V maximum Control circuit/ Control type of voltage of the control supply voltage control supply voltage at DC rated value relative negative tolerance of the control supply voltage at DC relative positive tolerance of the control supply voltage at DC	0 5 V 15 30 11 mA 1 mA 1 3 A 1 A
input voltage at digital input at DC rated value with signal <0> at DC for signal <1> at DC input current at digital input for signal <1> at DC with signal <0> at DC with signal <0> at DC number of CO contacts for auxiliary contacts operational current of auxiliary contacts at AC-15 at 230 V maximum operational current of auxiliary contacts at DC-13 at 24 V maximum Control circuit/ Control type of voltage of the control supply voltage control supply voltage at DC rated value relative negative tolerance of the control supply voltage at DC control supply voltage 1 at DC rated value operating range factor control supply voltage rated value at	0 5 V 15 30 11 mA 1 mA 1 3 A 1 A
input voltage at digital input at DC rated value with signal <0> at DC for signal <1> at DC input current at digital input for signal <1> at DC with signal <0> at DC with signal <0> at DC number of CO contacts for auxiliary contacts operational current of auxiliary contacts at AC-15 at 230 V maximum operational current of auxiliary contacts at DC-13 at 24 V maximum Control circuit/ Control type of voltage of the control supply voltage control supply voltage at DC rated value relative negative tolerance of the control supply voltage at DC relative positive tolerance of the control supply voltage at DC control supply voltage 1 at DC rated value operating range factor control supply voltage rated value at DC	0 5 V 15 30 11 mA 1 mA 1 3 A 1 A DC 19.2 30 V 20 % 25 %
input voltage at digital input at DC rated value with signal <0> at DC for signal <1> at DC input current at digital input for signal <1> at DC with signal <0> at DC with signal <0> at DC number of CO contacts for auxiliary contacts operational current of auxiliary contacts at AC-15 at 230 V maximum operational current of auxiliary contacts at DC-13 at 24 V maximum Control circuit/ Control type of voltage of the control supply voltage control supply voltage at DC rated value relative negative tolerance of the control supply voltage at DC relative positive tolerance of the control supply voltage at DC control supply voltage 1 at DC rated value operating range factor control supply voltage rated value at DC initial value	0 5 V 15 30 11 mA 1 mA 1 mA 1 3 A 1 A DC 19.2 30 V 20 % 25 % 24 V
input voltage at digital input at DC rated value with signal <0> at DC for signal <1> at DC input current at digital input for signal <1> at DC with signal <0> at DC with signal <0> at DC number of CO contacts for auxiliary contacts operational current of auxiliary contacts at AC-15 at 230 V maximum operational current of auxiliary contacts at DC-13 at 24 V maximum Control circuit/ Control type of voltage of the control supply voltage control supply voltage at DC rated value relative negative tolerance of the control supply voltage at DC relative positive tolerance of the control supply voltage at DC control supply voltage 1 at DC rated value operating range factor control supply voltage rated value at DC initial value full-scale value	0 5 V 15 30 11 mA 1 mA 1 mA 1 3 A 1 A DC 19.2 30 V 20 % 25 % 24 V
input voltage at digital input at DC rated value with signal <0> at DC for signal <1> at DC input current at digital input for signal <1> at DC with signal <0> at DC with signal <0> at DC number of CO contacts for auxiliary contacts operational current of auxiliary contacts at AC-15 at 230 V maximum operational current of auxiliary contacts at DC-13 at 24 V maximum Control circuit/ Control type of voltage of the control supply voltage control supply voltage at DC rated value relative negative tolerance of the control supply voltage at DC relative positive tolerance of the control supply voltage at DC control supply voltage 1 at DC rated value operating range factor control supply voltage rated value at DC initial value full-scale value control current at DC	0 5 V 15 30 11 mA 1 mA 1 3 A 1 A DC 19.2 30 V 20 % 25 % 24 V 0.8 1.25
input voltage at digital input at DC rated value with signal <0> at DC for signal <1> at DC input current at digital input for signal <1> at DC with signal <0> at DC with signal <0> at DC number of CO contacts for auxiliary contacts operational current of auxiliary contacts at AC-15 at 230 V maximum operational current of auxiliary contacts at DC-13 at 24 V maximum Control circuit/ Control type of voltage of the control supply voltage control supply voltage at DC rated value relative negative tolerance of the control supply voltage at DC relative positive tolerance of the control supply voltage at DC control supply voltage 1 at DC rated value operating range factor control supply voltage rated value at DC initial value full-scale value control current at DC in standby mode of operation	0 5 V 15 30 11 mA 1 mA 1 3 A 1 A DC 19.2 30 V 20 % 25 % 24 V 0.8 1.25
input voltage at digital input at DC rated value with signal <0> at DC for signal <1> at DC input current at digital input for signal <1> at DC with signal <0> at DC with signal <0> at DC number of CO contacts for auxiliary contacts operational current of auxiliary contacts at AC-15 at 230 V maximum operational current of auxiliary contacts at DC-13 at 24 V maximum Control circuit/ Control type of voltage of the control supply voltage control supply voltage at DC rated value relative negative tolerance of the control supply voltage at DC relative positive tolerance of the control supply voltage at DC control supply voltage 1 at DC rated value operating range factor control supply voltage rated value at DC initial value full-scale value control current at DC in standby mode of operation during operation	0 5 V 15 30 11 mA 1 mA 1 3 A 1 A DC 19.2 30 V 20 % 25 % 24 V 0.8 1.25
input voltage at digital input at DC rated value with signal <0> at DC for signal <1> at DC input current at digital input for signal <1> at DC with signal <0> at DC with signal <0> at DC number of CO contacts for auxiliary contacts operational current of auxiliary contacts at AC-15 at 230 V maximum operational current of auxiliary contacts at DC-13 at 24 V maximum Control circuit/ Control type of voltage of the control supply voltage control supply voltage at DC rated value relative negative tolerance of the control supply voltage at DC relative positive tolerance of the control supply voltage at DC control supply voltage 1 at DC rated value operating range factor control supply voltage rated value at DC initial value full-scale value control current at DC in standby mode of operation during operation inrush current peak	0 5 V 15 30 11 mA 1 mA 1 3 A 1 A DC 19.2 30 V 20 % 25 % 24 V 0.8 1.25

duration of inrush current peak	100 1011 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
* al DC at 24 V * al DC at	at DC at 24 V at switching on of motor	130 mA
+ all DC all 24 V at switching and formotor 20 ms	•	
Prover loss [N] in a uxillary and control circuit		
power loss IWI in auxilary and control circuit In switching state ON		
In switching state OF		20 ms
• in switching state ON —with bypass circuit Response times ON-delay time OP-4-day time Operational current • #4 40° Crated value • £6 0° Crated value •	•	
— with bypass circuit mes Posporare times Power Electronics Power Place Power Electronics Po	• •	0.6 W
Response times	-	
ON-delay time		1.68 W
Power Electronics		
Power Electronics		
operational current of 40°C rated value of 50°C rated value of 50		60 90 ms
at 40 °C rated value at 50 °C rated value at 50 °C rated value at 60 °C rated value at 60 °C rated value be at 60 °C rated value at 60 °C rated value vertical, horizontal, standing (observe derating) fastening method fastening method screw and snap-on mounting onto 35 mm DIN rail height beight	Power Electronics	
at 50 °C rated value bit 50 °C rated value cot 50 °C rated value	operational current	
at 65 °C rated value 0.5 A at 60 °C rated value 0.5 A installation mounting dimensions mounting position fastening method height 100 mm width 2.2.5 mm depth 141.6 mm required spacing • with side-by-side mounting — forwards — backwards — backwards — ownwards — of ownwards — of from an in the side — of orgounded parts — ownwards — backwards — upwards — of main and side of the side • for grounded parts — ownwards — at the side — of main and side — downwards — ownwards		0.5 A
eat 60 °C rated value 0.5 A		
mounting position vertical, horizontal, standing (observe derating) fastening method screw and snap-on mounting onto 35 mm DIN rail height 100 mm width 22.5 mm depth 141.6 mm required spacing • with side-by-side mounting — forwards 0 mm — backwards 0 mm — backwards 50 mm — downwards 50 mm — at the side 0 mm — of orgounded parts — for grounded parts — ownwards 0 mm — backwards 0 mm — at the side 0 mm — at the side 0 mm — backwards 0 mm — ownwards 50 mm Ambient conditions mistallation altitude at height above sea level maximum 4 000 m; For derating see manual ambient temporature • during operation 0 mm • during storage 4 mm of Commental category during operation according to IEC environmental category during operation 10 mm of Communication protocol is supported 4-Interface protocol No PROFIsafe protocol No PROFIsafe protocol No Protocol is supported AS-Interface protocol No Protocol is supported AS-Interface protocol No Protocol or supported AS-Interface protocol No Connections/Terminals Type of electrical connection control circuit sore—whose terminals (push-in) for control circuit • for main current circuit control signing operation concerning is pring-loaded terminals (push-in) for control circuit • for main current circuit control signing operation sore—whype terminals (push-in) for control circuit • for main current circuit • for		
mounting position fastening method screw and snap-on mounting onto 35 mm DIN rail height 100 mm width 22.5 mm depth required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards — at the side • for grounded parts — hackwards — backwards — o mm —		0.5 A
Screw and snap-on mounting onto 35 mm DIN rail Neight		
Neight width 22.5 mm		
width 22.5 mm depth 141.6 mm required spacing 411.6 mm with side-by-side mounting 0 mm - backwards 0 mm - backwards 50 mm - downwards 50 mm - drowards 0 mm - for grounded parts 0 mm - backwards 0 mm - backwards 0 mm - upwards 50 mm - at the side 3.5 mm - downwards 50 mm Ambient conditions 50 mm Installation altitude at height above sea level maximum 4 000 m; For derating see manual ambient temperature 4 0 m; 70 ° C during storage 40 m; 70 ° C during storage 40 m; 70 ° C during transport 40 m; 70 ° C environmental category during operation according to IEC 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 realtive humidity during operation 10 m; 95 % air pressure according to SN 31205 900 m; 1 060 hPa Communication/ Protocol<		·
required spacing • with side-by-side mounting - forwards - backwards - upwards - downwards - downwards - at the side • for grounded parts - forwards - backwards - omm - at the side - for grounded parts - forwards - backwards - upwards - backwards - omm - o	height	100 mm
required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards — downwards — of mm — of grounded parts — for grounded parts — forwards — of grounded parts — forwards — of mm — backwards — of mm — backwards — upwards — upwards — upwards — upwards — upwards — of mm — at the side — of mm — at the side — of mm — at the side — of mm — of m	width	
with side-by-side mounting	depth	141.6 mm
forwards 0 mm backwards 0 mm backwards 50 mm downwards 50 mm at the side 0 mm at the side 0 mm forwards 0 mm backwards 0 mm downwards 50 mm downwards 50 mm at the side 3.5 mm downwards 6 mm downwards 6 mm downwards 6 mm at the side 3.5 mm downwards 6 mm at the side 3.5 mm downwards 6 mm at the side 3.5 mm downwards 7 mm at the side 3.5 mm at the side 4.5 mm at the s	required spacing	
- backwards - upwards - downwards - downwards - at the side 0 mm • for grounded parts forwards 0 mm backwards 0 mm backwards 0 mm backwards 0 mm upwards 50 mm at the side downwards 50 mm Ambient conditions installation altitude at height above sea level maximum 4 000 m; For derating see manual ambient temperature •- during operation •- during storage during transport •- during transport environmental category during operation according to IEC 60721 relative humidity during operation air pressure according to SN 31205 900 1 060 hPa Communication Protocol PROFINET 10 protocol •- PROFINE	 with side-by-side mounting 	
- upwards 50 mm 50	— forwards	0 mm
- downwards - at the side • for grounded parts - forwards - backwards - upwards - at the side • for man at the side - downwards - backwards - at the side - downwards - at the side - downwards - down	— backwards	0 mm
- at the side • for grounded parts - forwards - backwards - upwards - at the side - downwards - downwards - downwards - at the side - downwards - downwards So mm Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage • during storage • during transport environmental category during operation according to IEC sold the side of the	— upwards	50 mm
• for grounded parts — forwards — backwards — upwards — at the side — downwards — downwards Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage • during transport environmental category during operation according to IEC 80721 environmental category during operation air pressure according to SN 31205 communication/Protocol protocol is supported • PROFINET IO protocol • PROFIsafe protocol product function bus communication protocol is supported AS-Interface protocol No connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit wire length for motor unshielded maximum 10 mm 0 mm 0 mm 0 mm 4 000 m; For derating see manual 5 0 m. 5 0 m. 6 0 m. 7 0 m. 8 0 m. 9 0 m. 1 060 hPa 8 0 m. 1 060 hPa 9 0 m. 1 060	— downwards	50 mm
- forwards 0 mm 0 mm - backwards 0 mm - backwards 0 mm - cupwards 50 mm 3.5 mm 50 mm - downwards 50 mm	— at the side	0 mm
backwards upwards at the side downwards at the side downwards at the side downwards at the side downwards 50 mm Ambient conditions	for grounded parts	
- upwards - at the side - downwards - down	— forwards	0 mm
- at the side - downwards 50 mm Ambient conditions installation altitude at height above sea level maximum 4 000 m; For derating see manual ambient temperature • during operation - 25 +60 °C • during storage - 40 +70 °C • during transport - 40 +70 °C environmental category during operation according to IEC 60721 (sand must not get into the devices), 3M6 irrelative humidity during operation 10 95 % air pressure according to SN 31205 900 1 060 hPa Communication/ Protocol protocol is supported • PROFINET IO protocol • PROFISafe protocol • PROFISafe protocol product function bus communication No protocol is supported AS-Interface protocol No Connections/ Terminals type of electrical connection • for main current circuit • for main current circuit • for main current circuit • for auxiliary and control circuit wire length for motor unshielded maximum 4 000 m; For derating see manual 5 0	— backwards	0 mm
Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage • during transport • during ransport environmental category during operation according to IEC 60721 relative humidity during operation air pressure according to SN 31205 protocol is supported • PROFINET IO protocol • PROFINET IO protocol protocol is supported AS-Interface protocol No connections/ Terminals type of electrical connection • for main current circuit • for main current circuit • for main current circuit • for auxiliary and control circuit wire length for motor unshielded maximum 4 000 m; For derating see manual 5 00 C No Security speemanual 5 00 m; For derating see manual 6 00 m; For derating see manual 6 00 m; For derating see manual 6 00 m; For derating see manual 8 00 m; For derating see manual 8 00 m; For derating see manual 9 00 m; For derating see manual 9 00 m; For derating see manual 9 00 m; For derating see manual 10 m; For derating se	— upwards	50 mm
Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage • during transport environmental category during operation according to IEC 60721 environmental category during operation ir pressure according to SN 31205 protocol is supported • PROFINET IO protocol • PROFINET IO protocol product function bus communication protocol is supported AS-Interface protocol No Connections/ Terminals type of electrical connection • for main current circuit • for main current circuit • for main current circuit • for auxiliary and control circuit wire length for motor unshielded maximum 4 000 m; For derating see manual 4 000 m; For derating	— at the side	3.5 mm
installation altitude at height above sea level maximum ambient temperature • during operation • during storage • during transport • during operation according to IEC 60721 60721 felative humidity during operation air pressure according to SN 31205 good 1 060 hPa Communication/ Protocol protocol is supported • PROFINET IO protocol • PROFISafe protocol PROFISafe protocol No protocol is supported AS-Interface protocol No Connections/ Terminals type of electrical connection • for main current circuit • for main current circuit • for main current circuit • for auxiliary and control circuit wire length for motor unshielded maximum 4 000 m; For derating see manual 3 4000 m; For derating see manual 4 000 m; For derating see manual 3 400 m; For derating see manual 4 000 m; For derating see manual 3 6 C 3 66 (C 4 0 +70 °C 3 K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 10 +95 % 8 6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 10 +95 % 8 6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 10 +95 % 8 6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 10 +95 % 8 6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 10 +95 % 8 6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 10 +95 % 10 +95 % 1	— downwards	50 mm
ambient temperature • during operation • during storage • during transport • during operation according to IEC 60721 environmental category during operation according to IEC 60721 state of the devices of the	Ambient conditions	
 during operation during storage during transport during transport	installation altitude at height above sea level maximum	4 000 m; For derating see manual
• during storage • during transport	ambient temperature	
oduring transport environmental category during operation according to IEC environmental category during operation according to IEC 60721 relative humidity during operation ir pressure according to SN 31205	during operation	-25 +60 °C
environmental category during operation according to IEC 60721 selative humidity during operation 10 95 % air pressure according to SN 31205 protocol is supported PROFINET IO protocol PROFISafe protocol protocol is supported AS-Interface protocol No connections/ Terminals type of electrical connection for main current circuit for auxiliary and control circuit wire length for motor unshielded maximum 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 10 95 % 900 1 060 hPa No No No Serew-type terminals screw-type terminals for main circuit, spring-loaded terminals (push-in) for control circuit spring-loaded terminals (push-in) wire length for motor unshielded maximum	during storage	-40 +70 °C
relative humidity during operation air pressure according to SN 31205 Communication/ Protocol protocol is supported PROFINET IO protocol PROFISE protocol Protocol is supported PROFISE protocol No product function bus communication Protocol is supported AS-Interface protocol No Connections/ Terminals type of electrical connection for main current circuit for auxiliary and control circuit wire length for motor unshielded maximum 100 m 10 95 % 900 1 060 hPa No No No Screw-type terminals for main circuit, spring-loaded terminals (push-in) for control circuit screw-type terminals pring-loaded terminals (push-in) 100 m	during transport	-40 +70 °C
air pressure according to SN 31205 Communication/ Protocol protocol is supported PROFINET IO protocol PROFIsafe protocol Product function bus communication Protocol is supported AS-Interface protocol No Connections/ Terminals type of electrical connection For main current circuit For auxiliary and control circuit wire length for motor unshielded maximum 900 1 060 hPa		
Communication/ Protocol protocol is supported PROFINET IO protocol PROFIsafe protocol Product function bus communication Protocol is supported AS-Interface protocol No Connections/ Terminals type of electrical connection of or main current circuit of or auxiliary and control circuit wire length for motor unshielded maximum No No Screw-type terminals for main circuit, spring-loaded terminals (push-in) screw-type terminals spring-loaded terminals (push-in) 100 m	relative humidity during operation	10 95 %
protocol is supported • PROFINET IO protocol • PROFIsafe protocol product function bus communication protocol is supported AS-Interface protocol No Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit wire length for motor unshielded maximum No No Screw-type terminals for main circuit, spring-loaded terminals (push-in) for control circuit spring-loaded terminals (push-in) 100 m		900 1 060 hPa
PROFINET IO protocol PROFIsafe protocol No product function bus communication protocol is supported AS-Interface protocol Connections/ Terminals type of electrical connection screw-type terminals for main circuit, spring-loaded terminals (push-in) for control circuit for main current circuit for auxiliary and control circuit wire length for motor unshielded maximum No Screw-type terminals for main circuit, spring-loaded terminals (push-in) screw-type terminals spring-loaded terminals (push-in) 100 m	Communication/ Protocol	
PROFIsafe protocol Product function bus communication protocol is supported AS-Interface protocol No Connections/ Terminals type of electrical connection screw-type terminals for main circuit, spring-loaded terminals (push-in) for control circuit ofor main current circuit ofor auxiliary and control circuit spring-loaded terminals (push-in) wire length for motor unshielded maximum No No Screw-type terminals for main circuit, spring-loaded terminals (push-in) screw-type terminals spring-loaded terminals (push-in) 100 m	protocol is supported	
product function bus communication protocol is supported AS-Interface protocol Connections/ Terminals type of electrical connection for main current circuit of or auxiliary and control circuit wire length for motor unshielded maximum No No Screw-type terminals for main circuit, spring-loaded terminals (push-in) for control circuit screw-type terminals spring-loaded terminals (push-in) 100 m	PROFINET IO protocol	No
protocol is supported AS-Interface protocol Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit wire length for motor unshielded maximum No Screw-type terminals for main circuit, spring-loaded terminals (push-in) for control circuit screw-type terminals screw-type terminals spring-loaded terminals (push-in) 100 m	PROFIsafe protocol	No
type of electrical connection • for main current circuit • for auxiliary and control circuit wire length for motor unshielded maximum screw-type terminals for main circuit, spring-loaded terminals (push-in) for control circuit screw-type terminals screw-type terminals screw-type terminals screw-type terminals spring-loaded terminals (push-in) 100 m	product function bus communication	No
type of electrical connection screw-type terminals for main circuit, spring-loaded terminals (push-in) for control circuit of or main current circuit for auxiliary and control circuit spring-loaded terminals (push-in) wire length for motor unshielded maximum screw-type terminals (push-in) screw-type terminals (push-in) screw-type terminals (push-in)	protocol is supported AS-Interface protocol	No
control circuit • for main current circuit • for auxiliary and control circuit screw-type terminals • for auxiliary and control circuit spring-loaded terminals (push-in) wire length for motor unshielded maximum 100 m	Connections/ Terminals	
• for auxiliary and control circuit spring-loaded terminals (push-in) wire length for motor unshielded maximum 100 m	type of electrical connection	
wire length for motor unshielded maximum 100 m	- for main assessed already	screw-type terminals
- ·	Tor main current circuit	
tune of connectable conductor cross sections for main contacts		spring-loaded terminals (push-in)
type of connectable conductor cross-sections for main contacts	for auxiliary and control circuit	

• solid	1x (0,5 4 mm²), 2x (0,5 2,5 mm²)	
 finely stranded with core end processing 	1x (0,5 4 mm²), 2x (0,5 1,5 mm²)	
connectable conductor cross-section for main contacts		
 solid or stranded 	0.5 4 mm²	
 finely stranded with core end processing 	0.5 4 mm²	
connectable conductor cross-section for auxiliary contacts		
 solid or stranded 	0.5 1.5 mm²	
 finely stranded with core end processing 	0.5 1 mm²	
finely stranded without core end processing	0.5 1.5 mm²	
type of connectable conductor cross-sections		
 for auxiliary contacts 		
— solid	1x (0.5 1.5 mm²), 2x (0.5 1.5 mm²)	
 finely stranded with core end processing 	1x (0,5 1,0 mm²), 2x (0,5 1,0 mm²)	
 finely stranded without core end processing 	1x (0.5 1.5 mm²), 2x (0.5 1.5 mm²)	
for AWG cables for auxiliary contacts	1x (20 16), 2x (20 16)	
AWG number as coded connectable conductor cross section		
 for main contacts 	20 12	
 for auxiliary contacts 	20 16	
UL/CSA ratings		
operational current at AC at 480 V according to UL 508	0.5 A	
Approvals Certificates		
General Product Approval		EMV











other Environment

> Confirmation **Environmental Con-**

firmations

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=3RM1001-3AA04

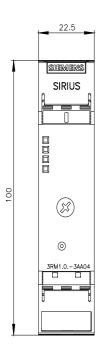
Cax online generator

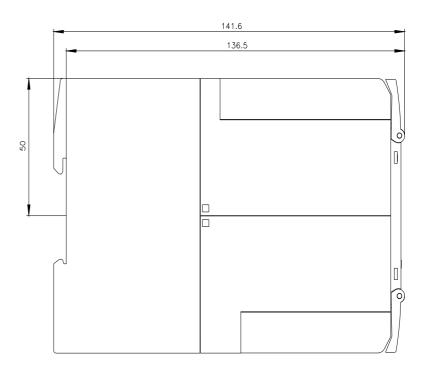
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RM1001-3AA04

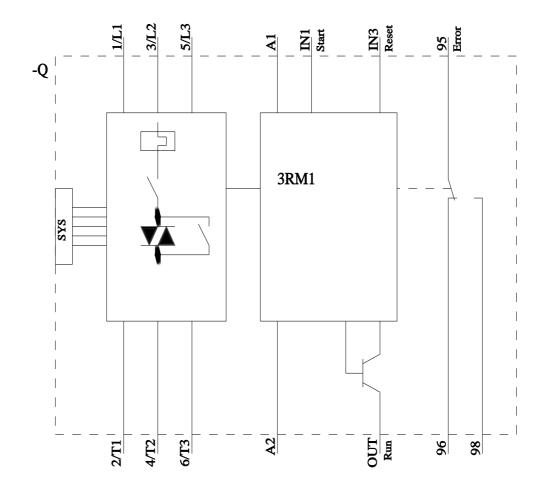
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3RM1001-3AA04

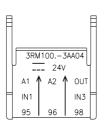
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RM1001-3AA04&lang=en

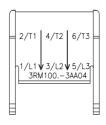












last modified: 4/1/2025 🖸

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Siemens:

3RM10013AA04