SIEMENS

Data sheet 3RN2011-2BW30



Thermistor motor protection relay Standard evaluation unit 22.5 mm enclosure Spring-type terminal 2 change-over contacts US = 24 V-240 V AC/DC Manul/Remote-Reset with ATEX approval 2 LEDs (READY/TRIPPED) galvanic isolation Test/reset button Wire break monitoring Short circuit monitoring

product brand name	SIRIUS	
product category	SIRIUS 3RN2 thermistor motor protection	
product designation	Thermistor motor protection relay	
design of the product	Standard evaluation unit with ATEX approval, open-circuit and short-circuit detection in the sensor circuit	
product type designation	3RN2	
General technical data		
product function	thermistor motor protection	
display version LED	Yes	
power loss [W] for rated value of the current		
 at AC in hot operating state 	1.6 W	
 at DC in hot operating state 	1.6 W	
insulation voltage for overvoltage category III according to IEC 60664 with degree of pollution 3 rated value	300 V	
degree of pollution	3	
surge voltage resistance rated value	4 kV	
shock resistance according to IEC 60068-2-27	11g / 15 ms	
vibration resistance according to IEC 60068-2-6	10 55 Hz: 0.35 mm	
mechanical service life (operating cycles) typical	10 000 000	
electrical endurance (operating cycles) at AC-15 at 230 V typical	100 000	
thermal current of the switching element with contacts maximum	5 A	
reference code according to IEC 81346-2	K	
Substance Prohibitance (Date)	05/28/2009	
SVHC substance name	Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8	
Weight	0.173 kg	
Product Function		
product function		
• error memory	No	
 dynamic open-circuit detection 	Yes	
 external reset 	Yes	
• auto-RESET	No	
manual RESET	Yes	
Control circuit/ Control		
type of voltage of the control supply voltage	AC/DC	
control supply voltage at AC		
• at 50 Hz rated value	24 240 V	
at 60 Hz rated value	24 240 V	
control supply voltage at DC rated value	24 240 V	
operating range factor control supply voltage rated value at		

DC	
● initial value	0.85
full-scale value	1.1
operating range factor control supply voltage rated value at AC at 50 Hz	
initial value	0.85
full-scale value	1.1
operating range factor control supply voltage rated value at AC at 60 Hz	
initial value	0.85
full-scale value	1.1
inrush current peak	
• at 24 V	0.7 A
• at 240 V	12 A
duration of inrush current peak	
● at 24 V	0.25 ms
● at 240 V	0.2 ms
Measuring circuit	
buffering time in the event of power failure minimum	40 ms
Precision	
relative metering precision	2 %
Auxiliary circuit	
material of switching contacts	AgSnO2
number of NC contacts for auxiliary contacts	0
number of NO contacts for auxiliary contacts	0
number of CO contacts for auxiliary contacts	2
operational current of auxiliary contacts at DC-13	
• at 24 V	1 A
• at 125 V	0.2 A
• at 250 V	0.1 A
Main circuit	
operating frequency rated value	50 60 Hz
ampacity of the output relay at AC-15 at 250 V at 50/60 Hz	3 A
ampacity of the output relay at AC-15 at 250 V at 50/60 Hz ampacity of the output relay at DC-13	3 A
	3 A 1 A
ampacity of the output relay at DC-13	
ampacity of the output relay at DC-13 ● at 24 V	1 A
ampacity of the output relay at DC-13 • at 24 ∨ • at 125 ∨ continuous current of the DIAZED fuse link of the output	1 A 0.2 A
ampacity of the output relay at DC-13	1 A 0.2 A
ampacity of the output relay at DC-13 • at 24 V • at 125 V continuous current of the DIAZED fuse link of the output relay Electromagnetic compatibility	1 A 0.2 A
ampacity of the output relay at DC-13 • at 24 V • at 125 V continuous current of the DIAZED fuse link of the output relay Electromagnetic compatibility conducted interference • due to burst according to IEC 61000-4-4 • due to conductor-earth surge according to IEC 61000-4-5	1 A 0.2 A 6 A 2 kV (power ports) / 1 kV (signal ports) 2 kV (line to ground)
ampacity of the output relay at DC-13 • at 24 V • at 125 V continuous current of the DIAZED fuse link of the output relay Electromagnetic compatibility conducted interference • due to burst according to IEC 61000-4-4 • due to conductor-earth surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5	1 A 0.2 A 6 A 2 kV (power ports) / 1 kV (signal ports)
ampacity of the output relay at DC-13 • at 24 V • at 125 V continuous current of the DIAZED fuse link of the output relay Electromagnetic compatibility conducted interference • due to burst according to IEC 61000-4-4 • due to conductor-earth surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 electrostatic discharge according to IEC 61000-4-2	1 A 0.2 A 6 A 2 kV (power ports) / 1 kV (signal ports) 2 kV (line to ground)
ampacity of the output relay at DC-13 • at 24 V • at 125 V continuous current of the DIAZED fuse link of the output relay Electromagnetic compatibility conducted interference • due to burst according to IEC 61000-4-4 • due to conductor-earth surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5	1 A 0.2 A 6 A 2 kV (power ports) / 1 kV (signal ports) 2 kV (line to ground) 1 kV (line to line)
ampacity of the output relay at DC-13 • at 24 V • at 125 V continuous current of the DIAZED fuse link of the output relay Electromagnetic compatibility conducted interference • due to burst according to IEC 61000-4-4 • due to conductor-earth surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 electrostatic discharge according to IEC 61000-4-2	1 A 0.2 A 6 A 2 kV (power ports) / 1 kV (signal ports) 2 kV (line to ground) 1 kV (line to line)
ampacity of the output relay at DC-13 • at 24 V • at 125 V continuous current of the DIAZED fuse link of the output relay Electromagnetic compatibility conducted interference • due to burst according to IEC 61000-4-4 • due to conductor-earth surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 electrostatic discharge according to IEC 61000-4-2 Galvanic isolation	1 A 0.2 A 6 A 2 kV (power ports) / 1 kV (signal ports) 2 kV (line to ground) 1 kV (line to line) 6 kV contact discharge / 8 kV air discharge
ampacity of the output relay at DC-13 • at 24 V • at 125 V continuous current of the DIAZED fuse link of the output relay Electromagnetic compatibility conducted interference • due to burst according to IEC 61000-4-4 • due to conductor-earth surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 electrostatic discharge according to IEC 61000-4-2 Galvanic isolation design of the electrical isolation	1 A 0.2 A 6 A 2 kV (power ports) / 1 kV (signal ports) 2 kV (line to ground) 1 kV (line to line) 6 kV contact discharge / 8 kV air discharge
ampacity of the output relay at DC-13 • at 24 V • at 125 V continuous current of the DIAZED fuse link of the output relay Electromagnetic compatibility conducted interference • due to burst according to IEC 61000-4-4 • due to conductor-earth surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 electrostatic discharge according to IEC 61000-4-2 Galvanic isolation design of the electrical isolation galvanic isolation	1 A 0.2 A 6 A 2 kV (power ports) / 1 kV (signal ports) 2 kV (line to ground) 1 kV (line to line) 6 kV contact discharge / 8 kV air discharge
ampacity of the output relay at DC-13 • at 24 V • at 125 V continuous current of the DIAZED fuse link of the output relay Electromagnetic compatibility conducted interference • due to burst according to IEC 61000-4-4 • due to conductor-earth surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 electrostatic discharge according to IEC 61000-4-2 Galvanic isolation design of the electrical isolation galvanic isolation • between input and output • between the outputs • between the voltage supply and other circuits	1 A 0.2 A 6 A 2 kV (power ports) / 1 kV (signal ports) 2 kV (line to ground) 1 kV (line to line) 6 kV contact discharge / 8 kV air discharge galvanic isolation Yes
ampacity of the output relay at DC-13 • at 24 V • at 125 V continuous current of the DIAZED fuse link of the output relay Electromagnetic compatibility conducted interference • due to burst according to IEC 61000-4-4 • due to conductor-earth surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 electrostatic discharge according to IEC 61000-4-2 Galvanic isolation design of the electrical isolation galvanic isolation • between input and output • between the outputs	1 A 0.2 A 6 A 2 kV (power ports) / 1 kV (signal ports) 2 kV (line to ground) 1 kV (line to line) 6 kV contact discharge / 8 kV air discharge galvanic isolation Yes Yes
ampacity of the output relay at DC-13 • at 24 V • at 125 V continuous current of the DIAZED fuse link of the output relay Electromagnetic compatibility conducted interference • due to burst according to IEC 61000-4-4 • due to conductor-earth surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 electrostatic discharge according to IEC 61000-4-2 Galvanic isolation design of the electrical isolation galvanic isolation • between input and output • between the outputs • between the voltage supply and other circuits	1 A 0.2 A 6 A 2 kV (power ports) / 1 kV (signal ports) 2 kV (line to ground) 1 kV (line to line) 6 kV contact discharge / 8 kV air discharge galvanic isolation Yes Yes
ampacity of the output relay at DC-13 • at 24 V • at 125 V continuous current of the DIAZED fuse link of the output relay Electromagnetic compatibility conducted interference • due to burst according to IEC 61000-4-4 • due to conductor-earth surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 electrostatic discharge according to IEC 61000-4-2 Galvanic isolation design of the electrical isolation galvanic isolation • between input and output • between the outputs • between the voltage supply and other circuits Safety related data failure rate [FIT] at rate of recognizable hazardous failures	1 A 0.2 A 6 A 2 kV (power ports) / 1 kV (signal ports) 2 kV (line to ground) 1 kV (line to line) 6 kV contact discharge / 8 kV air discharge galvanic isolation Yes Yes Yes
ampacity of the output relay at DC-13 • at 24 V • at 125 V continuous current of the DIAZED fuse link of the output relay Electromagnetic compatibility conducted interference • due to burst according to IEC 61000-4-4 • due to conductor-earth surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 electrostatic discharge according to IEC 61000-4-2 Galvanic isolation design of the electrical isolation galvanic isolation • between input and output • between the outputs • between the voltage supply and other circuits Safety related data failure rate [FIT] at rate of recognizable hazardous failures (\lambda\dd) failure rate [FIT] at rate of non-recognizable hazardous	1 A 0.2 A 6 A 2 kV (power ports) / 1 kV (signal ports) 2 kV (line to ground) 1 kV (line to line) 6 kV contact discharge / 8 kV air discharge galvanic isolation Yes Yes Yes Yes
ampacity of the output relay at DC-13 • at 24 V • at 125 V continuous current of the DIAZED fuse link of the output relay Electromagnetic compatibility conducted interference • due to burst according to IEC 61000-4-4 • due to conductor-earth surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 electrostatic discharge according to IEC 61000-4-2 Galvanic isolation design of the electrical isolation galvanic isolation • between input and output • between the outputs • between the voltage supply and other circuits Safety related data failure rate [FIT] at rate of recognizable hazardous failures (\lambda\dd) failure rate [FIT] at rate of non-recognizable hazardous failures (\lambda\dd)	1 A 0.2 A 6 A 2 kV (power ports) / 1 kV (signal ports) 2 kV (line to ground) 1 kV (line to line) 6 kV contact discharge / 8 kV air discharge galvanic isolation Yes Yes Yes 6.8E-8 1/h 3.08E-7 1/h
ampacity of the output relay at DC-13 • at 24 V • at 125 V continuous current of the DIAZED fuse link of the output relay Electromagnetic compatibility conducted interference • due to burst according to IEC 61000-4-4 • due to conductor-earth surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 electrostatic discharge according to IEC 61000-4-2 Galvanic isolation design of the electrical isolation galvanic isolation • between input and output • between the outputs • between the voltage supply and other circuits Safety related data failure rate [FIT] at rate of recognizable hazardous failures (λdd) failure rate [FIT] at rate of non-recognizable hazardous failures (λdu) average diagnostic coverage level (DCavg)	1 A 0.2 A 6 A 2 kV (power ports) / 1 kV (signal ports) 2 kV (line to ground) 1 kV (line to line) 6 kV contact discharge / 8 kV air discharge galvanic isolation Yes Yes Yes Yes 1 A 1 B %
ampacity of the output relay at DC-13 • at 24 V • at 125 V continuous current of the DIAZED fuse link of the output relay Electromagnetic compatibility conducted interference • due to burst according to IEC 61000-4-4 • due to conductor-earth surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 electrostatic discharge according to IEC 61000-4-2 Galvanic isolation design of the electrical isolation galvanic isolation • between input and output • between the outputs • between the voltage supply and other circuits Safety related data failure rate [FIT] at rate of recognizable hazardous failures (λdd) failure rate [FIT] at rate of non-recognizable hazardous failures (λdu) average diagnostic coverage level (DCavg)	1 A 0.2 A 6 A 2 kV (power ports) / 1 kV (signal ports) 2 kV (line to ground) 1 kV (line to line) 6 kV contact discharge / 8 kV air discharge galvanic isolation Yes Yes Yes Yes 6.8E-8 1/h 3.08E-7 1/h 18 % 97 a
ampacity of the output relay at DC-13 • at 24 V • at 125 V continuous current of the DIAZED fuse link of the output relay Electromagnetic compatibility conducted interference • due to burst according to IEC 61000-4-4 • due to conductor-earth surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 electrostatic discharge according to IEC 61000-4-2 Galvanic isolation design of the electrical isolation galvanic isolation • between input and output • between the outputs • between the voltage supply and other circuits Safety related data failure rate [FIT] at rate of recognizable hazardous failures (\lambda\dd) failure rate [FIT] at rate of non-recognizable hazardous failures (\lambda\dd) average diagnostic coverage level (DCavg) MTBF MTTFd	1 A 0.2 A 6 A 2 kV (power ports) / 1 kV (signal ports) 2 kV (line to ground) 1 kV (line to line) 6 kV contact discharge / 8 kV air discharge galvanic isolation Yes Yes Yes Yes 6.8E-8 1/h 3.08E-7 1/h 18 % 97 a
ampacity of the output relay at DC-13 • at 24 V • at 125 V continuous current of the DIAZED fuse link of the output relay Electromagnetic compatibility conducted interference • due to burst according to IEC 61000-4-4 • due to conductor-earth surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 electrostatic discharge according to IEC 61000-4-2 Galvanic isolation design of the electrical isolation galvanic isolation • between input and output • between the outputs • between the voltage supply and other circuits Safety related data failure rate [FIT] at rate of recognizable hazardous failures (λdd) failure rate [FIT] at rate of non-recognizable hazardous failures (λdu) average diagnostic coverage level (DCavg) MTBF MTTFd IEC 62061	1 A 0.2 A 6 A 2 kV (power ports) / 1 kV (signal ports) 2 kV (line to ground) 1 kV (line to line) 6 kV contact discharge / 8 kV air discharge galvanic isolation Yes Yes Yes Yes Yes 97 a 303 a

100 40040	
ISO 13849	DI -
performance level (PL) according to EN ISO 13849-1	PL c
category according to EN ISO 13849-1	1
performance level (PL) according to ISO 13849-1	PL c
IEC 61508	
Safety Integrity Level (SIL) according to IEC 61508	1
safety device type according to IEC 61508-2	Type B
PFDavg with low demand rate according to IEC 61508	0.0041
Safe failure fraction (SFF)	74 %
hardware fault tolerance according to IEC 61508	0
T1 value for proof test interval or service life according to IEC 61508	3 a
Connections/ Terminals	
product component removable terminal for auxiliary and	Yes
control circuit	165
type of electrical connection	spring-loaded terminal (push-in)
 for auxiliary and control circuit 	spring-loaded terminals (push-in)
type of connectable conductor cross-sections	
• solid	0.5 4 mm²
• finely stranded with core end processing	0.5 2.5 mm²
finely stranded without core end processing	0.5 4 mm²
• for AWG cables solid	20 12
 for AWG cables stranded 	20 12
connectable conductor cross-section	
• solid	0.5 4 mm²
 finely stranded with core end processing 	0.5 2.5 mm²
 finely stranded without core end processing 	0.5 4 mm²
AWG number as coded connectable conductor cross	
section	
• solid	20 12
• stranded	20 12
Installation/ mounting/ dimensions	
-	
mounting position	any
fastening method	screw and snap-on mounting onto 35 mm DIN rail
fastening method height	screw and snap-on mounting onto 35 mm DIN rail 100 mm
fastening method height width	screw and snap-on mounting onto 35 mm DIN rail 100 mm 22.5 mm
fastening method height width depth	screw and snap-on mounting onto 35 mm DIN rail 100 mm
fastening method height width depth required spacing	screw and snap-on mounting onto 35 mm DIN rail 100 mm 22.5 mm
fastening method height width depth required spacing • with side-by-side mounting	screw and snap-on mounting onto 35 mm DIN rail 100 mm 22.5 mm 90 mm
fastening method height width depth required spacing • with side-by-side mounting — forwards	screw and snap-on mounting onto 35 mm DIN rail 100 mm 22.5 mm 90 mm
fastening method height width depth required spacing • with side-by-side mounting — forwards — backwards	screw and snap-on mounting onto 35 mm DIN rail 100 mm 22.5 mm 90 mm 0 mm
fastening method height width depth required spacing • with side-by-side mounting — forwards — backwards — upwards	screw and snap-on mounting onto 35 mm DIN rail 100 mm 22.5 mm 90 mm 0 mm 0 mm
fastening method height width depth required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards	screw and snap-on mounting onto 35 mm DIN rail 100 mm 22.5 mm 90 mm 0 mm 0 mm 0 mm
fastening method height width depth required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards — at the side	screw and snap-on mounting onto 35 mm DIN rail 100 mm 22.5 mm 90 mm 0 mm 0 mm
fastening method height width depth required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards — at the side • for grounded parts	screw and snap-on mounting onto 35 mm DIN rail 100 mm 22.5 mm 90 mm 0 mm 0 mm 0 mm 0 mm 0 mm
fastening method height width depth required spacing • with side-by-side mounting — forwards — backwards — backwards — upwards — downwards — at the side • for grounded parts — forwards	screw and snap-on mounting onto 35 mm DIN rail 100 mm 22.5 mm 90 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm
fastening method height width depth required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards — at the side • for grounded parts — forwards — backwards — backwards	screw and snap-on mounting onto 35 mm DIN rail 100 mm 22.5 mm 90 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm
fastening method height width depth required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards — at the side • for grounded parts — forwards — backwards — upwards — upwards	screw and snap-on mounting onto 35 mm DIN rail 100 mm 22.5 mm 90 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm
fastening method height width depth required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards — at the side • for grounded parts — forwards — backwards — at the side • at the side • for grounded parts — forwards — backwards — backwards — at the side	screw and snap-on mounting onto 35 mm DIN rail 100 mm 22.5 mm 90 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm
fastening method height width depth required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards — at the side • for grounded parts — forwards — backwards — a the side • a the side — downwards — backwards — backwards — backwards — upwards — at the side — downwards	screw and snap-on mounting onto 35 mm DIN rail 100 mm 22.5 mm 90 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm
fastening method height width depth required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards — at the side • for grounded parts — forwards — backwards — at the side • for grounded parts — forwards — backwards — upwards — backwards — upwards — at the side — downwards • for live parts	screw and snap-on mounting onto 35 mm DIN rail 100 mm 22.5 mm 90 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 m
fastening method height width depth required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards — at the side • for grounded parts — forwards — backwards — upwards — at the side • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards	screw and snap-on mounting onto 35 mm DIN rail 100 mm 22.5 mm 90 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm
fastening method height width depth required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards — at the side • for grounded parts — forwards — backwards — upwards — backwards — the side — downwards — at the side — downwards — at the side — downwards • for live parts — forwards — backwards — backwards	screw and snap-on mounting onto 35 mm DIN rail 100 mm 22.5 mm 90 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm
fastening method height width depth required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards — at the side • for grounded parts — forwards — backwards — upwards — at the side — downwards — of the side — downwards — at the side — downwards • for live parts — forwards — backwards — backwards — upwards • for live parts — forwards — backwards — backwards — upwards	screw and snap-on mounting onto 35 mm DIN rail 100 mm 22.5 mm 90 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 m
fastening method height width depth required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards — at the side • for grounded parts — forwards — backwards — upwards — at the side • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — backwards — upwards — backwards — backwards — backwards — upwards — downwards	screw and snap-on mounting onto 35 mm DIN rail 100 mm 22.5 mm 90 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 m
fastening method height width depth required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards — at the side • for grounded parts — forwards — backwards — upwards — at the side • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — backwards — upwards — downwards — backwards — upwards — downwards — at the side	screw and snap-on mounting onto 35 mm DIN rail 100 mm 22.5 mm 90 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 m
fastening method height width depth required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards — at the side • for grounded parts — forwards — backwards — upwards — at the side • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — upwards — at the side — downwards — backwards — upwards — backwards — upwards — backwards — upwards — at the side Ambient conditions	screw and snap-on mounting onto 35 mm DIN rail 100 mm 22.5 mm 90 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 m
fastening method height width depth required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards — at the side • for grounded parts — forwards — backwards — upwards — at the side — downwards — at the side — downwards • for live parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — upwards — backwards — upwards — at the side Ambient conditions installation altitude at height above sea level maximum	screw and snap-on mounting onto 35 mm DIN rail 100 mm 22.5 mm 90 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 m
fastening method height width depth required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards — at the side • for grounded parts — forwards — backwards — upwards — at the side • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — upwards — at the side — downwards — at the side — downwards — at the side Ambient conditions installation altitude at height above sea level maximum ambient temperature	screw and snap-on mounting onto 35 mm DIN rail 100 mm 22.5 mm 90 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 m
fastening method height width depth required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards — at the side • for grounded parts — forwards — backwards — upwards — at the side — downwards — at the side — downwards • for live parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — upwards — backwards — upwards — at the side Ambient conditions installation altitude at height above sea level maximum	screw and snap-on mounting onto 35 mm DIN rail 100 mm 22.5 mm 90 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 m

during transport	-40 +85 °C
relative humidity during operation maximum	70 %
explosion protection category for dust	[Ex t] [Ex p]
explosion protection category for gas	[Ex e] [Ex d] [Ex px]
Approvale Cortificator	

Approvals Certificates

General Product Approval







Confirmation





EMV

For use in hazardous locations

Test Certificates

Marine / Shipping







Type Test Certificates/Test Report





Marine / Shipping

other

Environment



Confirmation

Environmental Confirmations

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=3RN2011-2BW30

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RN2011-2BW30

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

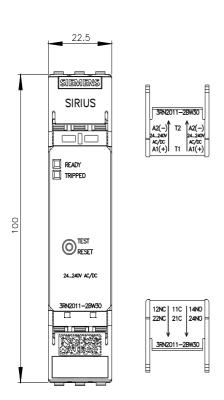
https://support.industry.siemens.com/cs/ww/en/ps/3RN2011-2BW30

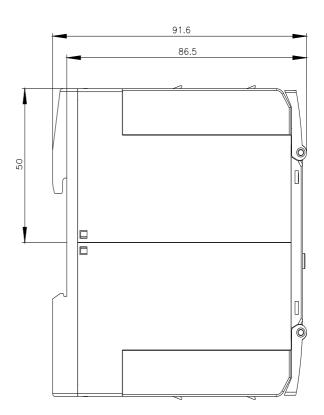
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

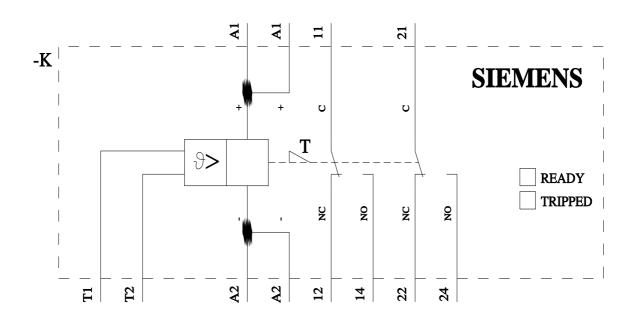
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RN2011-2BW30&lang=en

Characteristic: Derating

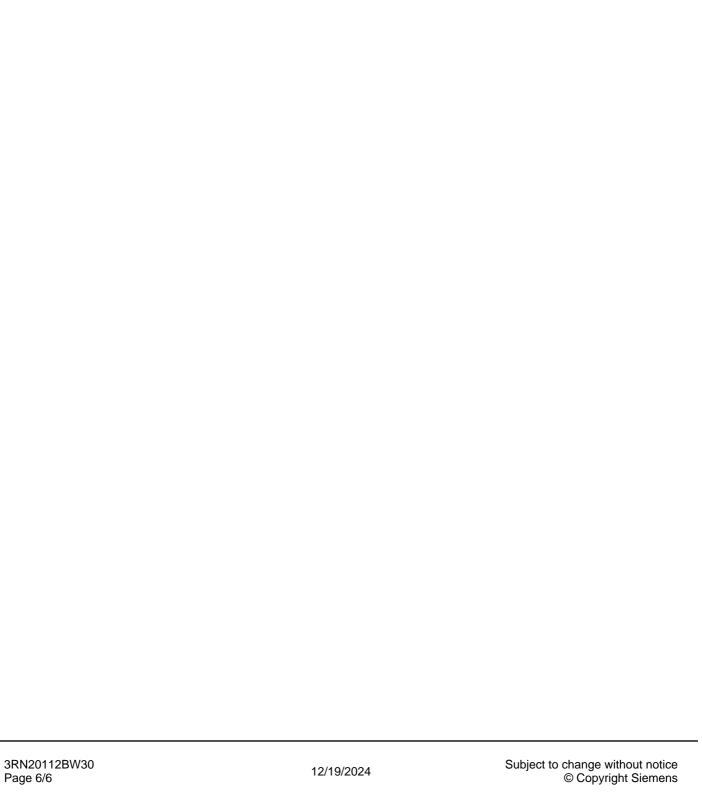
https://support.industry.siemens.com/cs/ww/en/ps/3RN2011-2BW30/manual







last modified: 12/10/2024 🖸



Mouser Electronics

Authorized Distributor

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

Siemens:

3RN20112BW30