## SIEMENS

## Data sheet

## 3RS2500-2AW30



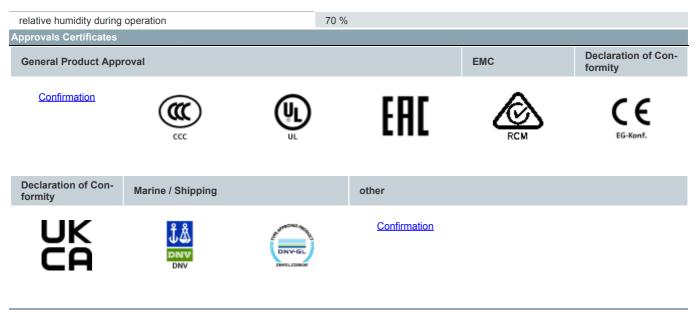
Temperature monitoring relay Pt100, Thermocouple J, K 1 threshold value, Width 22.5 mm Overshoot and undershoot 24 - 240 V AC/DC 1 change-over contact, quiescent current principle Spring-type terminal (push-in)

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product designation         Temperature monitoring relay           design of the product         Analog multifunction device, 1 sensor, 1 threshold value           product type designation         3RS2           Conscal technical data         Imperature monitoring           idisplay version LED         Yes           Insulation voltage for every lage eategory III according to IEC         300 V           60664 with degree of pollution 3 rated value         4 kV           degree of pollution 3 rated value         20           shock resistance according to IEC 60068-2:27         11g / 15 ms           switching behavior         monostable           mechanical service IIF (operating cycles) typical         10 000 000           electrical endurance (operating cycles) typical         10 000 000           electrical endurance (operating cycles) typical         100 000           centificate of suitability relating to ATEX         no           reference code according to IEC 81346-2         K           Influence of the switching element with contacts         5.A           measurable temperature         .50 °C           influence of the surronding temperature         .50 °C           influence of the surronding temperature         .50 °C           influence of the surronding temperature         .50 °C           in	product brand name	SIRIUS
design of the product     Analog multifunction device, 1 sensor, 1 threshold value       product type designation     3RS2       General technical data     Forduct function       Insulation voltage for very roltage category III according to IEC     300 V       S0644 with degree of pollution 3 rated value     300 V       degree of pollution     3       protect function     4 kV       degree of pollution     3       protection class IP     20       shock resistance according to IEC 60068-2:27     11g / 15 ms       switching behavior     monostable       mechanical service IIIE (operating cycles) typical     1000000       electrical endurance (operating cycles) typical     100000       electrical endurance (operating cycles) at AC-15 at 230 V     100 000       reference code according to IEC 81346-2     K       influence of the switching element with contacts     5 A       reference code according to IEC 81346-2     K       influence of the surrounding temperature     005% per K deviation from T20       measurable temperature     50° C       • initial value     50° C       • eror memory     No       • external r	· · · · · · · · · · · · · · · · · · ·	
product type designation         3RS2           Ganard technical data		
product function         temperature monitoring           display version LED         Yes           insulation voltage for overvoltage category III according to IEC         300 V           00644 with degree of pollution 3 rated value         4 kV           test voltage for isolation test         4 kV           degree of pollution         3           protection class IP         20           shock resistance according to IEC 60068-2-27         11g / 15 ms           switching behavior         monostable           mechanical service IIf (operating cycles) typical         100 000 000           electrical endurance (operating cycles) typical         100 000           electrical endurance (operating cycles) typical         100 000           electrical of suitability relating to ATEX         no           reference code according to IEC 81346-2         K           Influence of the surrounding temperature         0.05% per K deviation from T20           measurable temperature         1000 °C           studitscale value         1000 °C           SUbstance Prohibitance (Date)         0501/2012           SVHC substance name         Bleimonxud (Bleioxid) - 1317-36-8           product function         No           • error memory         No           eatign of the sensor connectable<		
display version LED     Yes       Insulation voltage for overvoltage category III according to IEC     300 V       6064 with degree of politution 3 rated value     300 V       test voltage for isolation test     4 kV       degree of politution     3       protection class IP     20       shock resistance according to IEC 60068-2-27     11g / 15 ms       switching behavior     monostable       mechanical service Iffe (operating cycles) typical     10 000 000       olectrical endurance (operating cycles) at AC-15 at 230 V     100 000       typical     10 000 000       thermal current of the switching element with contacts     5 A       maximum     5 A       certificate of suitability relating to ATEX     no       reference code according to IEC 81346-2     K       influence of the surrounding temperature     0.05% per K deviation from T20       measurable temperature     -50 °C       • initial value     1000 °C       SUbstance Prohibitance (Date)     05/01/2012       SVH cubstance name     Blei -7439-92-1       Blei -7439-92-1     Bleimonx04 (Bleioxid) - 1317-36-8       product function     • error memory       • external reset     No       design of the sensor connectable     Resistance sensors: P1100 Thermocouples: Type J, K       Control supply voltage at AC	General technical data	
Insulation voltage for overvoltage category III according to IEC 00064 with degree of pollution 3 rated value     300 V       I est voltage for isolation test     4 kV       degree of pollution     3       protection class IP     20       shock resistance according to IEC 60068-2-27     11g / 15 ms       switching behavior     monostable       mechanical service life (operating cycles) typical     10 000 000       electrical endurance (operating cycles) typical     100 000       electrical endurance (operating cycles) at AC-15 at 230 V     100 000       viptical     control       certificate of suitability relating to ATEX     no       reference code according to IEC 81346-2     K       influence of the surrounding temperature     0.05% per K deviation from T20       measurable temperature     -50 °C       • initial value     -50 °C       • full-scale value     1000 °C       Substance Prohibitance (Date)     05/01/2012       SVHC substance name     Blei-rA39-92-1       Bleimonoxid (Bleioxid) - 1317-36-8     Product function       • external reset     No       design of the sensor connectable     Resistance sensors: Pt100 Thermocouples: Type J, K       Control supply voltage at AC     24 240 V       • at 50 Hz rated value     24 240 V       • at 50 Hz rated value     24 V	product function	temperature monitoring
60664 with degree of pollution 3 rated value       4 kV         degree of pollution       3         protection class IP       20         shock resistance according to IEC 60068-2-27       11g / 15 ms         switching behavior       monostable         mechanical service life (operating cycles) typical       10 000 000         electrical endurance (operating cycles) at AC-15 at 230 V       100 000         thermal current of the switching element with contacts       5 A         maximum       5 a         reference code according to IEC 81346-2       K         influence of the surrounding temperature       0.05% per K deviation from T20         measurable temperature       .05% typical         • initial value       -50 °C         • initial value       .50 °C         • otrol curvet       .000 °C         Substance Prohibitance (Date)       .50 °C         belier .7439-92-1       .50 °C         secternal reset       No         design of the sensor	display version LED	Yes
degree of pollution       3         protection class IP       20         shock resistance according to IEC 6008-2-27       11g / 15 ms         witching behavior       monostable         mechanical service life (operating cycles) typical       10 000 000         electrical endurance (operating cycles) at AC-15 at 230 V       100 000         typical       100 000         thermal current of the switching element with contacts       5 A         maximum       5 A         certificate of suitability relating to ATEX       no         reference code according to IEC 81346-2       K         influence of the surrounding temperature       0.05% per K deviation from T20         measurable temperature       -50 °C         • intill value       -50 °C         • intill value       1000 °C         Substance Prohibitance (Date)       0501/2012         SVHC substance name       Blei - 7439-92-1         Bleimonoxid (Bleioxid) - 1317-36-8         product function       -         • error memory       No         vexternal reset       No         design of the sensor connectable       Resistance sensors: Pt100 Thermocouples: Type J, K         Control supply voltage at AC       24 240 V         • at 50 Hz rated value		300 V
protection class IP       20         shock resistance according to IEC 60068-2-27       11g / 15 ms         switching behavior       monostable         mechanical service life (operating cycles) typical       10 000 000         electrical endurance (operating cycles) at AC-15 at 230 V       100 000         thermal current of the switching element with contacts       5 A         certificate of suitability relating to ATEX       no         reference code according to IEC 81346-2       K         influence of the surrounding temperature       0.05 °C         • initial value       -50 °C         • full-scale value       1000 °C         Substance Prohibitance (Date)       05/01/2012         SVE substance name       Blei -7439-92-1         Bleimonoxid (Bleioxid) - 1317-36-8       product function         • error memory       No         external reset       No         design of the sensor connectable       Resistance sensors: Pt100 Thermocouples: Type J, K         Control circuit/ Control       24 240 V         • at 60 Hz rated value       24 240 V         • at 60 Hz rated value       24 240 V         • at 60 Hz rated value       24 V	test voltage for isolation test	4 kV
shock resistance according to IEC 60068-2-27       11g / 15 ms         switching behavior       monostable         mechanical service life (operating cycles) typical       10 000 000         electrical endurance (operating cycles) at AC-15 at 230 V       100 000         typical       100 000         thermal current of the switching element with contacts       5 A         certificate of suitability relating to ATEX       no         reference code according to IEC 81346-2       K         influence of the surrounding temperature       0.05% per K deviation from T20         measurable temperature       -50 °C         • initial value       -50 °C         • ituli-scale value       1000 °C         Substance Prohibitance (Date)       05/01/2012         SVHC substance name       Blei - 7433-92-1         Bleimonoxid (Bleioxid) - 1317-36-8         product function       -         • error memory       No         • external reset       No         design of the sensor connectable       Resistance sensors: Pt100 Thermocouples: Type J, K         Control supply voltage at AC       -         • at 60 Hz rated value       24 240 V         • at 60 Hz rated value       24 240 V         • at 60 Hz rated value       24 240 V <th>degree of pollution</th> <th>3</th>	degree of pollution	3
switching behavior         monostable           mechanical service life (operating cycles) typical         10 000 000           electrical endurance (operating cycles) at AC-15 at 230 V         100 000           thermal current of the switching element with contacts         5 A           certificate of suitability relating to ATEX         no           reference code according to IEC 81346-2         K           Influence of the surrounding temperature         0.05% per K deviation from T20           measurable temperature         -50 °C           • initial value         -50 °C           • full-scale value         1000 °C           Substance Prohibitance (Date)         05%1/2012           SVHC substance name         Blei - 7439-92-1           Bleimonoxid (Bleioxid) - 1317-36-8         Product function           • error memory         No           • external reset         No           design of the sensor connectable         Resistance sensors: Pt100 Thermocouples: Type J, K           Control circuit/ Control         Ype of voltage of the control supply voltage           • at 50 Hz rated value         24 240 V           • at 60 Hz rated value         24 240 V           • at 60 Hz rated value         24 V	protection class IP	20
mechanical service life (operating cycles) typical       10 000 000         electrical endurance (operating cycles) at AC-15 at 230 V       100 000         thermal current of the switching element with contacts       5 A         maximum       5 A         certificate of suitability relating to ATEX       no         reference code according to IEC 81346-2       K         influence of the surrounding temperature       0.05% per K deviation from T20         measurable temperature       -50 °C         • full-scale value       1000 °C         Substance Prohibitance (Date)       050/1/2012         SVHC substance name       Biei -r439-92-1         Bleimonoxid (Bleioxid) - 1317-36-8       Bieimonoxid (Bleioxid) - 1317-36-8         product function       -         • ertor memory       No         • external reset       No         design of the sensor connectable       Resistance sensors: Pt100 Thermocouples: Type J, K         Control circuit/ Control       -         type of voltage of the control supply voltage       AC/DC         e at 50 Hz rated value       24 240 V         e at 60 Hz rated value       24 240 V         e ontrol supply voltage at AC       -         e at 60 Hz rated value       24 V	shock resistance according to IEC 60068-2-27	11g / 15 ms
electrical endurance (operating cycles) at AC-15 at 230 V       100 000         typical       5 A         thermal current of the switching element with contacts       5 A         certificate of suitability relating to ATEX       no         reference code according to IEC 81346-2       K         influence of the surrounding temperature       0.05% per K deviation from T20         measurable temperature       -50 °C         • initial value       -50 °C         • full-scale value       1000 °C         Substance Prohibitance (Date)       05/01/2012         SVHC substance name       Blei - 7439-92-1         Bleimonoxid (Bleioxid) - 1317-36-8         product function       -         • error memory       No         • external reset       No         Kontrol circuit/ Control       -         type of voltage of the control supply voltage       AC/DC         • at 50 Hz rated value       24 240 V         • at 50 Hz rated value       24 240 V         • at 50 Hz rated value       24 V	switching behavior	monostable
typical       Image: Control Supply voltage 1 at AC         thermal current of the switching element with contacts       5 A         maximum       5 A         certificate of suitability relating to ATEX       no         reference code according to IEC 81346-2       K         influence of the surrounding temperature       0.05% per K deviation from T20         measurable temperature       -50 °C         • initial value       -50 °C         • full-scale value       1 000 °C         Substance Prohibitance (Date)       05/01/2012         SVHC substance name       Blei - 7439-92-1         Belei or the sensor connectable       Resistance sensors: Pt100 Thermocouples: Type J, K         Control circuit/ Control       V         • at 50 Hz rated value       24 240 V         • at 50 Hz rated value       24 240 V         • at 50 Hz rated value       24 240 V	mechanical service life (operating cycles) typical	10 000 000
maximumImage: maximumcertificate of suitability relating to ATEXnoreference code according to IEC 81346-2Kinfluence of the surrounding temperature0.05% per K deviation from T20measurable temperature-50 °Cinitial value1000 °CSubstance Prohibitance (Date)05/01/2012SVHC substance nameBlei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8product function-• error memoryNo• external resetNoControl circuit/ Control-type of voltage of the control supply voltageAC/DCcontrol supply voltage at AC24 240 V• at 50 Hz rated value24 V		100 000
reference code according to IEC 81346-2       K         influence of the surrounding temperature       0.05% per K deviation from T20         measurable temperature       -50 °C         initial value       -50 °C         full-scale value       1000 °C         Substance Prohibitance (Date)       05/01/2012         SVHC substance name       Blei - 7439-92-1         Blei - 7439-92-1       Bleinoxid (Bleioxid) - 1317-36-8         product function       -         • error memory       No         external reset       No         design of the sensor connectable       Resistance sensors: Pt100 Thermocouples: Type J, K         Control circuit/ Control       -         i at 50 Hz rated value       24 240 V         • at 60 Hz rated value       24 240 V         • at 50 Hz rated value       24 V		5 A
influence of the surrounding temperature       0.05% per K deviation from T20         measurable temperature       -50 °C         initial value       1000 °C         Substance Prohibitance (Date)       05/01/2012         SVHC substance name       Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8         product function       -         • error memory       No         • external reset       No         design of the sensor connectable       Resistance sensors: Pt100 Thermocouples: Type J, K         Control circuit/ Control       -         type of voltage of the control supply voltage       AC/DC         e at 50 Hz rated value       24 240 V         e at 60 Hz rated value       24 240 V         e at 50 Hz rated value       24 240 V         e at 50 Hz rated value       24 240 V         e at 50 Hz rated value       24 240 V         e at 50 Hz rated value       24 240 V         e at 50 Hz rated value       24 240 V	certificate of suitability relating to ATEX	no
measurable temperature       -50 °C         • initial value       -50 °C         • full-scale value       1 000 °C         Substance Prohibitance (Date)       05/01/2012         SVHC substance name       Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8         product function       -         • error memory       No         • external reset       No         design of the sensor connectable       Resistance sensors: Pt100 Thermocouples: Type J, K         Control circuit/ Control       -         type of voltage of the control supply voltage       AC/DC         e at 50 Hz rated value       24 240 V         • at 60 Hz rated value       24 240 V         • at 50 Hz rated value       24 V	reference code according to IEC 81346-2	К
• initial value-50 °C• full-scale value1 000 °CSubstance Prohibitance (Date)05/01/2012SVHC substance nameBlei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8product function• error memoryNo• external resetNodesign of the sensor connectableResistance sensors: Pt100 Thermocouples: Type J, KControl circuit/ Controltype of voltage of the control supply voltageAC/DCeat 50 Hz rated value24 240 V• at 50 Hz rated value24 V	influence of the surrounding temperature	0.05% per K deviation from T20
• full-scale value1 000 °CSubstance Prohibitance (Date)05/01/2012SVHC substance nameBlei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8product function	measurable temperature	
Substance Prohibitance (Date)05/01/2012SVHC substance nameBlei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8product function-• error memoryNo• external resetNodesign of the sensor connectableResistance sensors: Pt100 Thermocouples: Type J, KControl circuit/ Control-type of voltage of the control supply voltageAC/DCeat 50 Hz rated value24 240 V• at 60 Hz rated value24 240 V• at 50 Hz rated value24 V	initial value	-50 °C
SVHC substance nameBlei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8product functionNo• error memoryNo• external resetNodesign of the sensor connectableResistance sensors: Pt100 Thermocouples: Type J, KControl circuit/ ControlControl Supply voltage at AC• at 50 Hz rated value24 240 V• at 60 Hz rated value24 240 V• at 50 Hz rated value24 V	<ul> <li>full-scale value</li> </ul>	1 000 °C
Bleimonoxid (Bleioxid) - 1317-36-8product functionNoerror memoryNoexternal resetNodesign of the sensor connectableResistance sensors: Pt100 Thermocouples: Type J, KControl circuit/ ControlAC/DCtype of voltage of the control supply voltageAC/DCcontrol supply voltage at AC24 240 Ve at 50 Hz rated value24 240 Ve at 50 Hz rated value24 240 Ve at 50 Hz rated value24 V	Substance Prohibitance (Date)	05/01/2012
• error memoryNo• external resetNodesign of the sensor connectableResistance sensors: Pt100 Thermocouples: Type J, KControl circuit/ ControlAC/DCtype of voltage of the control supply voltageAC/DCcontrol supply voltage at AC-• at 50 Hz rated value24 240 V• at 60 Hz rated value24 240 V• at 50 Hz rated value24 240 V• at 50 Hz rated value24 240 V• at 50 Hz rated value24 240 V	SVHC substance name	
external reset No     external reset No     design of the sensor connectable Resistance sensors: Pt100 Thermocouples: Type J, K Control circuit/ Control     type of voltage of the control supply voltage AC     e at 50 Hz rated value 24 240 V     e at 60 Hz rated value 24 240 V     e at 50 Hz rated value 24 240 V     e at 50 Hz rated value 24 240 V	product function	
design of the sensor connectable       Resistance sensors: Pt100 Thermocouples: Type J, K         Control circuit/ Control       AC/DC         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         • at 50 Hz rated value       24 240 V         • at 50 Hz rated value       24 240 V	error memory	No
Control circuit/ Control       AC/DC         type of voltage of the control supply voltage       AC/DC         control supply voltage at AC	external reset	No
type of voltage of the control supply voltage       AC/DC         control supply voltage at AC	design of the sensor connectable	Resistance sensors: Pt100 Thermocouples: Type J, K
control supply voltage at AC       • at 50 Hz rated value       • at 60 Hz rated value       • at 60 Hz rated value       24 240 V       control supply voltage 1 at AC       • at 50 Hz rated value       • at 50 Hz rated value       24 240 V	Control circuit/ Control	
• at 50 Hz rated value       24 240 V         • at 60 Hz rated value       24 240 V         control supply voltage 1 at AC       24 240 V         • at 50 Hz rated value       24 V	type of voltage of the control supply voltage	AC/DC
• at 60 Hz rated value     24 240 V       control supply voltage 1 at AC     24 V       • at 50 Hz rated value     24 V	control supply voltage at AC	
control supply voltage 1 at AC       • at 50 Hz rated value       24 V	• at 50 Hz rated value	24 240 V
• at 50 Hz rated value 24 V	• at 60 Hz rated value	24 240 V
	control supply voltage 1 at AC	
• at 50 Hz 24 240 V	• at 50 Hz rated value	24 V
	• at 50 Hz	24 240 V

• at 60 Hz rated value	24 V
• at 60 Hz	24 240 V
control supply voltage 2 at AC	
<ul> <li>at 50 Hz rated value</li> </ul>	24 V
• at 60 Hz rated value	24 V
control supply voltage at DC rated value	24 240 V
control supply voltage 1	
<ul> <li>at DC rated value</li> </ul>	24 V
• at DC	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
supply voltage frequency for auxiliary and control circuit	50 60 Hz
number of measuring circuits	1
buffering time in the event of power failure minimum	20 ms
Precision	
relative metering precision	5 %
Short-circuit protection	
design of the fuse link	
for short-circuit protection of the NO contacts of the relay outputs required	gL/gG: 6 A or MCB type C: 1 A
<ul> <li>for short circuit protection of the NC contacts of the relay outputs required</li> </ul>	gL/gG: 6 A or MCB type C: 1 A
design of the fuse link	
<ul> <li>for short-circuit protection of the NO contacts of the relay outputs safety-related required</li> </ul>	gL/gG: 2 A or MCB type C: 1 A
<ul> <li>for short circuit protection of the NC contacts of the relay outputs safety-related required</li> </ul>	gL/gG: 2 A or MCB type C: 1 A
Communication/ Protocol	
protocol is supported IO-Link protocol	No
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	1
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
contact reliability of auxiliary contacts	one incorrect switching operation of 100 million switching operations (17 V, 5 mA)
contact rating of auxiliary contacts according to UL	R300 / B300
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 DC-13	
• at 24 V	1A
• at 125 V	0.2 A
continuous current of the DIAZED fuse link of the output relay	6 A
continuous current of DIAZED fuse link of the output relay safety-related	2 A
Electromagnetic compatibility	
EMC emitted interference according to IEC 60947-1	
	Class B
conducted interference	

<ul> <li>due to burst according to IEC 61000-4-4</li> </ul>	2 kV (power ports), 1 kV (signal ports)
<ul> <li>due to conductor-earth surge according to IEC 61000-4-5</li> </ul>	2 kV (line to ground)
<ul> <li>due to conductor-conductor surge according to IEC</li> </ul>	1 kV (line to line)
61000-4-5 field-based interference according to IEC 61000-4-3	10 V/m
electrostatic discharge according to IEC 61000-4-2	6 kV contact discharge / 8 kV air discharge
	o kv contact discharge / o kv air discharge
Galvanic isolation	
design of the electrical isolation	galvanic isolation
galvanic isolation	
between input and output	Yes
between the voltage supply and other circuits	Yes
Connections/ Terminals	
product component removable terminal for auxiliary and control circuit	Yes
type of electrical connection	spring-loaded terminal (push-in)
<ul> <li>for auxiliary and control circuit</li> </ul>	spring-loaded terminals (push-in)
type of connectable conductor cross-sections	
• solid	0.5 4 mm <sup>2</sup>
<ul> <li>finely stranded with core end processing</li> </ul>	0.5 2.5 mm <sup>2</sup>
<ul> <li>finely stranded without core end processing</li> </ul>	0.5 4 mm²
<ul> <li>for AWG cables solid</li> </ul>	20 12
<ul> <li>for AWG cables stranded</li> </ul>	20 12
connectable conductor cross-section	
• solid	0.5 4 mm²
<ul> <li>finely stranded with core end processing</li> </ul>	0.5 2.5 mm²
<ul> <li>finely stranded without core end processing</li> </ul>	0.5 4 mm²
AWG number as coded connectable conductor cross	
section	
• solid	20 12
• stranded	20 12
Installation/ mounting/ dimensions	
mounting position	any
mounting position fastening method	any screw and snap-on mounting onto 35 mm DIN rail
	-
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 22.5 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 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 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 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 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 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	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	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 0 mm 0 mm 0 mm
fastening method         height         width         depth         required spacing         • with side-by-side mounting         — forwards         — backwards         — upwards         — at the side         • for grounded parts         — forwards         — upwards	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         — downwards         — at the side         • for grounded parts         — forwards         — upwards         — at the side         — forwards         — at the side         — forwards         — at the side	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         — at the side         • for grounded parts         — forwards         — backwards         — at the side         • for grounded parts         — forwards         — backwards         — upwards         — downwards         — other words         — he side         — other words         — at the side         — downwards	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         - downwards         - at the side         • for grounded parts         - forwards         - backwards         - at the side         • for grounded parts         - downwards         - at the side         - obackwards         - upwards         - obackwards         - forwards         - forwards         - forwards         - forwards         - side         - obackwards         - obackwards <td< td=""><td>screw and snap-on mounting onto 35 mm DIN rail 100 mm 22.5 mm 90 mm 0 mm</td></td<>	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         - backwards         - upwards         - downwards         - at the side         • for grounded parts         - forwards         - backwards         - upwards         - forwards         - forwards         - forwards         - not 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
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         — forwards         — forwards         — forwards         — forwards         — forwards         — backwards         — upwards         — at the side         — downwards         • for live parts         — forwards         — backwards         • for live parts         — 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         — downwards         — at the side         • for grounded parts         — forwards         — backwards         — upwards         — backwards         — upwards         — for grounded parts         — forwards         — backwards         — upwards         — backwards         — upwards         • for live parts         — forwards         — backwards         — upwards         • upwards	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         — downwards         — at the side         • for grounded parts         — forwards         — backwards         — upwards         — backwards         — upwards         — at the side         — for grounded parts         — forwards         — backwards         — backwards         — upwards         — at the side         — downwards         • for live parts         — forwards         — backwards         — upwards         — upwards         — downwards	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         - backwards         - upwards         - downwards         - at the side         • for grounded parts         - forwards         - backwards         - upwards         - backwards         - upwards         - forwards         - backwards         - upwards         - at the side         - downwards         • for live parts         - forwards         - backwards         - upwards         - downwards         - at the side         - downwards         - at the side         - downwards         - at the side	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         - backwards         - upwards         - downwards         - at the side         • for grounded parts         - forwards         - backwards         - upwards         - at the side         - forwards         - at the side         - downwards         - at the side         - downwards         - for live parts         - forwards         - backwards         - upwards         - forwards         - at the side         - downwards         - forwards         - at the side         - moverned         - at the side         - moverned         - at the side         - moverned         - at the side         - at the side <t< td=""><td>screw and snap-on mounting onto 35 mm DIN rail 100 mm 22.5 mm 90 mm 0 mm</td></t<>	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         - downwards         - at the side         • for grounded parts         - forwards         - backwards         - at the side         • for grounded parts         - forwards         - backwards         - upwards         - at the side         - downwards         • for live parts         - forwards         - backwards         - upwards         - backwards         - upwards         - backwards         - upwards         - backwards         - 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
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         - at the side         - downwards         • for live parts         - forwards         - backwards         - upwards         - backwards         - upwards         - downwards         - at the side         - downwards         - at the side         - downwards         - at the side         Mbient conditions         installation altitude at height above sea level maximum         ambient temperature         • during operation	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         - downwards         - at the side         • for grounded parts         - forwards         - backwards         - at the side         • for grounded parts         - forwards         - backwards         - upwards         - at the side         - downwards         • for live parts         - forwards         - backwards         - upwards         - backwards         - upwards         - backwards         - upwards         - backwards         - 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



## Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RS2500-2AW30

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RS2500-2AW30

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

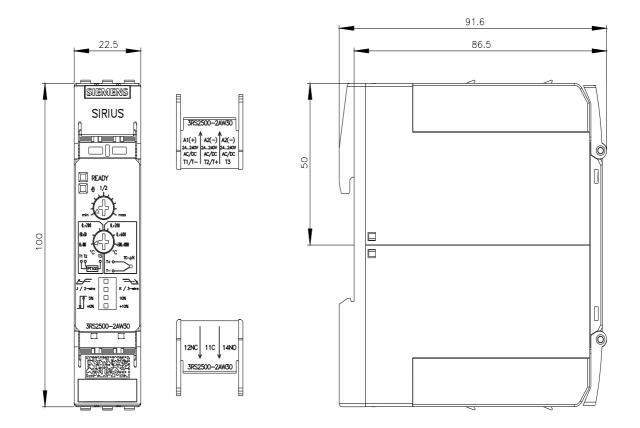
https://support.industry.siemens.com/cs/ww/en/ps/3RS2500-2AW30

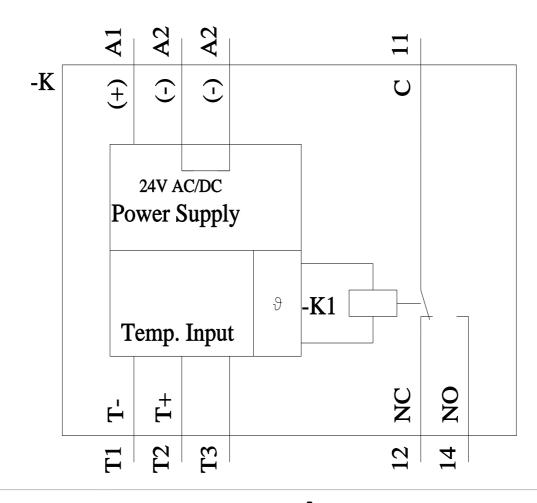
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RS2500-2AW30&lang=en

Characteristic: Derating

https://support.industry.siemens.com/cs/ww/en/ps/3RS2500-2AW30/manual





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