SIEMENS

Data sheet 3RS2600-2BA30



Temperature monitoring relay with display for resistance temperature sensors and thermocouples, 24 V AC/DC, Width 22.5 mm, 2 change-over contacts, Spring-type terminal (push-in)

Figure similar

product brand name	SIRIUS			
product designation	Temperature monitoring relay			
design of the product	Digital device, 1 sensor, 2 threshold values			
product type designation	3RS2			
Seneral technical data				
product function	temperature monitoring			
display version LED	No			
insulation voltage for overvoltage category III according to IEC 60664 with degree of pollution 3 rated value	300 V			
test voltage for isolation test	4 kV			
degree of pollution	3			
protection class IP	20			
shock resistance acc. to IEC 60068-2-27	11g / 15 ms			
vibration resistance acc. to IEC 60068-2-6	10 55 Hz: 0.35 mm			
switching behavior	monostable			
mechanical service life (switching cycles) typical	10 000 000			
electrical endurance (switching cycles) at AC-15 at 230 V typical	100 000			
thermal current of the switching element with contacts maximum	5 A			
certificate of suitability relating to ATEX	Yes, with sensor extension module 3RS29			
reference code acc. to IEC 81346-2	K			
measurable temperature				
initial value	-99 °C			
full-scale value	1 800 °C			
measurable Fahrenheit temperature				
initial value	-146 °F			
full-scale value	3 276 °F			
Substance Prohibitance (Date)	01.05.2012 00:00:00			
product function				
• error memory	Yes			
external reset	Yes			
design of the sensor connectable	Resistance sensors: Pt100, Pt1000, KTY83-110, KTY84, NTC Thermocouples: Type J, K, T, E, N, S, R, B			
measurable temperature with KTY-sensor maximum	300 °C			
sensor current with KTY-sensor	0.33 mA			
Control circuit/ Control				
type of voltage of the control supply voltage	AC/DC			

 at 50 Hz rated value 	24 24 V
at 60 Hz rated value	24 24 V
control supply voltage 1 at AC	
 at 50 Hz rated value 	24 V
• at 50 Hz	24 24 V
at 60 Hz rated value	24 V
● at 60 Hz	24 24 V
control supply voltage 2 at AC	
at 50 Hz rated value	24 V
at 60 Hz rated value	24 V
control supply voltage at DC rated value	24 24 V
control supply voltage 1	
at DC rated value	24 V
• at DC	24 24 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	1 %
Short-circuit protection	
design of the fuse link	
accign of the race min	
for short-circuit protection of the NO contacts of the relay outputs required	gL/gG: 6 A or MCB type C: 1 A
 for short-circuit protection of the NO contacts of the relay outputs required for short circuit protection of the NC contacts of the relay outputs required 	gL/gG: 6 A or MCB type C: 1 A gL/gG: 6 A or MCB type C: 1 A
 for short-circuit protection of the NO contacts of the relay outputs required for short circuit protection of the NC contacts of the 	
for short-circuit protection of the NO contacts of the relay outputs required for short circuit protection of the NC contacts of the relay outputs required design of the fuse link for short-circuit protection of the NO contacts of the relay outputs safety-related required	
for short-circuit protection of the NO contacts of the relay outputs required for short circuit protection of the NC contacts of the relay outputs required design of the fuse link for short-circuit protection of the NO contacts of the relay outputs safety-related required for short circuit protection of the NC contacts of the relay outputs safety-related required	gL/gG: 6 A or MCB type C: 1 A
for short-circuit protection of the NO contacts of the relay outputs required for short circuit protection of the NC contacts of the relay outputs required design of the fuse link for short-circuit protection of the NO contacts of the relay outputs safety-related required for short circuit protection of the NC contacts of the	gL/gG: 6 A or MCB type C: 1 A gL/gG: 2 A or MCB type C: 1 A
for short-circuit protection of the NO contacts of the relay outputs required for short circuit protection of the NC contacts of the relay outputs required design of the fuse link for short-circuit protection of the NO contacts of the relay outputs safety-related required for short circuit protection of the NC contacts of the relay outputs safety-related required	gL/gG: 6 A or MCB type C: 1 A gL/gG: 2 A or MCB type C: 1 A
for short-circuit protection of the NO contacts of the relay outputs required for short circuit protection of the NC contacts of the relay outputs required design of the fuse link for short-circuit protection of the NO contacts of the relay outputs safety-related required for short circuit protection of the NC contacts of the relay outputs safety-related required Communication/ Protocol	gL/gG: 6 A or MCB type C: 1 A gL/gG: 2 A or MCB type C: 1 A gL/gG: 2 A or MCB type C: 1 A
for short-circuit protection of the NO contacts of the relay outputs required for short circuit protection of the NC contacts of the relay outputs required design of the fuse link for short-circuit protection of the NO contacts of the relay outputs safety-related required for short circuit protection of the NC contacts of the relay outputs safety-related required Communication/ Protocol protocol is supported IO-Link protocol	gL/gG: 6 A or MCB type C: 1 A gL/gG: 2 A or MCB type C: 1 A gL/gG: 2 A or MCB type C: 1 A
for short-circuit protection of the NO contacts of the relay outputs required for short circuit protection of the NC contacts of the relay outputs required design of the fuse link for short-circuit protection of the NO contacts of the relay outputs safety-related required for short circuit protection of the NC contacts of the relay outputs safety-related required Communication/ Protocol protocol is supported IO-Link protocol Auxiliary circuit	gL/gG: 6 A or MCB type C: 1 A gL/gG: 2 A or MCB type C: 1 A gL/gG: 2 A or MCB type C: 1 A
for short-circuit protection of the NO contacts of the relay outputs required for short circuit protection of the NC contacts of the relay outputs required design of the fuse link for short-circuit protection of the NO contacts of the relay outputs safety-related required for short circuit protection of the NC contacts of the relay outputs safety-related required Communication/ Protocol protocol is supported IO-Link protocol Auxiliary circuit material of switching contacts	gL/gG: 6 A or MCB type C: 1 A gL/gG: 2 A or MCB type C: 1 A gL/gG: 2 A or MCB type C: 1 A No AgSnO2
for short-circuit protection of the NO contacts of the relay outputs required for short circuit protection of the NC contacts of the relay outputs required design of the fuse link for short-circuit protection of the NO contacts of the relay outputs safety-related required for short circuit protection of the NC contacts of the relay outputs safety-related required Communication/ Protocol protocol is supported IO-Link protocol Auxiliary circuit material of switching contacts number of NC contacts for auxiliary contacts	gL/gG: 6 A or MCB type C: 1 A gL/gG: 2 A or MCB type C: 1 A gL/gG: 2 A or MCB type C: 1 A No AgSnO2 0
for short-circuit protection of the NO contacts of the relay outputs required for short circuit protection of the NC contacts of the relay outputs required design of the fuse link for short-circuit protection of the NO contacts of the relay outputs safety-related required for short circuit protection of the NC contacts of the relay outputs safety-related required Communication/ Protocol protocol is supported IO-Link protocol Auxiliary circuit material of switching contacts number of NC contacts for auxiliary contacts	gL/gG: 6 A or MCB type C: 1 A gL/gG: 2 A or MCB type C: 1 A gL/gG: 2 A or MCB type C: 1 A No AgSnO2 0
for short-circuit protection of the NO contacts of the relay outputs required for short circuit protection of the NC contacts of the relay outputs required design of the fuse link for short-circuit protection of the NO contacts of the relay outputs safety-related required for short circuit protection of the NC contacts of the relay outputs safety-related required Communication/ Protocol protocol is supported IO-Link protocol Auxiliary circuit material of switching contacts number of NC contacts for auxiliary contacts number of CO contacts for auxiliary contacts	gL/gG: 6 A or MCB type C: 1 A gL/gG: 2 A or MCB type C: 1 A gL/gG: 2 A or MCB type C: 1 A No AgSnO2 0 0
for short-circuit protection of the NO contacts of the relay outputs required for short circuit protection of the NC contacts of the relay outputs required design of the fuse link for short-circuit protection of the NO contacts of the relay outputs safety-related required for short circuit protection of the NC contacts of the relay outputs safety-related required Communication/ Protocol protocol is supported IO-Link protocol Auxiliary circuit material of switching contacts number of NC contacts for auxiliary contacts number of CO contacts for auxiliary contacts operational current of auxiliary contacts at DC-13	gL/gG: 6 A or MCB type C: 1 A gL/gG: 2 A or MCB type C: 1 A gL/gG: 2 A or MCB type C: 1 A No AgSnO2 0 0 2
for short-circuit protection of the NO contacts of the relay outputs required for short circuit protection of the NC contacts of the relay outputs required design of the fuse link for short-circuit protection of the NO contacts of the relay outputs safety-related required for short circuit protection of the NC contacts of the relay outputs safety-related required Communication/ Protocol protocol is supported IO-Link protocol Auxiliary circuit material of switching contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts operational current of auxiliary contacts at DC-13 at 24 V	gL/gG: 6 A or MCB type C: 1 A gL/gG: 2 A or MCB type C: 1 A gL/gG: 2 A or MCB type C: 1 A No AgSnO2 0 0 2 1 A
for short-circuit protection of the NO contacts of the relay outputs required for short circuit protection of the NC contacts of the relay outputs required design of the fuse link for short-circuit protection of the NO contacts of the relay outputs safety-related required for short circuit protection of the NC contacts of the relay outputs safety-related required Communication/ Protocol protocol is supported IO-Link protocol Auxiliary circuit material of switching contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts operational current of auxiliary contacts at DC-13 at 24 V at 125 V	gL/gG: 6 A or MCB type C: 1 A gL/gG: 2 A or MCB type C: 1 A gL/gG: 2 A or MCB type C: 1 A No AgSnO2 0 0 1 A 0.2 A
• for short-circuit protection of the NO contacts of the relay outputs required • for short circuit protection of the NC contacts of the relay outputs required design of the fuse link • for short-circuit protection of the NO contacts of the relay outputs safety-related required • for short circuit protection of the NC contacts of the relay outputs safety-related required Communication/ Protocol protocol is supported IO-Link protocol Auxiliary circuit material of switching contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts operational current of auxiliary contacts at DC-13 • at 24 V • at 125 V • at 250 V	gL/gG: 6 A or MCB type C: 1 A gL/gG: 2 A or MCB type C: 1 A RO AgSnO2 1 A 0.2 A 0.1 A one incorrect switching operation of 100 million switching operations (17)
• for short-circuit protection of the NO contacts of the relay outputs required • for short circuit protection of the NC contacts of the relay outputs required design of the fuse link • for short-circuit protection of the NO contacts of the relay outputs safety-related required • for short circuit protection of the NC contacts of the relay outputs safety-related required Communication/ Protocol protocol is supported IO-Link protocol Auxiliary circuit material of switching contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts operational current of auxiliary contacts at DC-13 • at 24 V • at 125 V • at 250 V contact reliability of auxiliary contacts	gL/gG: 6 A or MCB type C: 1 A gL/gG: 2 A or MCB type C: 1 A RO AgSnO2 0 0 1 A 0.2 A 0.1 A one incorrect switching operation of 100 million switching operations (17 V, 5 mA)
• for short-circuit protection of the NO contacts of the relay outputs required • for short circuit protection of the NC contacts of the relay outputs required design of the fuse link • for short-circuit protection of the NO contacts of the relay outputs safety-related required • for short circuit protection of the NC contacts of the relay outputs safety-related required Communication/ Protocol protocol is supported IO-Link protocol Auxiliary circuit material of switching contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts operational current of auxiliary contacts at DC-13 • at 24 V • at 125 V • at 250 V contact reliability of auxiliary contacts contact rating of auxiliary contacts according to UL	gL/gG: 6 A or MCB type C: 1 A gL/gG: 2 A or MCB type C: 1 A No AgSnO2 0 0 2 1 A 0.2 A 0.1 A one incorrect switching operation of 100 million switching operations (17 V, 5 mA) R300 / B300
• for short-circuit protection of the NO contacts of the relay outputs required • for short circuit protection of the NC contacts of the relay outputs required design of the fuse link • for short-circuit protection of the NO contacts of the relay outputs safety-related required • for short circuit protection of the NC contacts of the relay outputs safety-related required Communication/ Protocol protocol is supported IO-Link protocol Auxiliary circuit material of switching contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts operational current of auxiliary contacts at DC-13 • at 24 V • at 125 V • at 250 V contact reliability of auxiliary contacts according to UL influence of the surrounding temperature	gL/gG: 6 A or MCB type C: 1 A gL/gG: 2 A or MCB type C: 1 A gL/gG: 2 A or MCB type C: 1 A No No AgSnO2 0 0 2 1 A 0.2 A 0.1 A one incorrect switching operation of 100 million switching operations (17 V, 5 mA) R300 / B300 0.05% per K deviation from T20
• for short-circuit protection of the NO contacts of the relay outputs required • for short circuit protection of the NC contacts of the relay outputs required design of the fuse link • for short-circuit protection of the NO contacts of the relay outputs safety-related required • for short circuit protection of the NC contacts of the relay outputs safety-related required Communication/ Protocol protocol is supported IO-Link protocol Auxiliary circuit material of switching contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts operational current of auxiliary contacts at DC-13 • at 24 V • at 125 V • at 250 V contact reliability of auxiliary contacts according to UL influence of the surrounding temperature operating frequency rated value	gL/gG: 6 A or MCB type C: 1 A gL/gG: 2 A or MCB type C: 1 A gL/gG: 2 A or MCB type C: 1 A No AgSnO2 0 0 2 1 A 0.2 A 0.1 A one incorrect switching operation of 100 million switching operations (17 V, 5 mA) R300 / B300 0.05% per K deviation from T20 50 60 Hz

a at 125 \/	0.2.4			
• 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 acc. to IEC 60947-1	Class B			
conducted interference				
 due to burst acc. to IEC 61000-4-4 	2 kV (power ports), 1 kV (signal ports)			
• due to conductor-earth surge acc. to IEC 61000-4-5	2 kV (line to ground)			
due to conductor-conductor surge acc. to IEC	1 kV (line to line)			
61000-4-5				
field-based interference acc. to IEC 61000-4-3	10 V/m			
electrostatic discharge acc. to IEC 61000-4-2	6 kV contact discharge / 8 kV air discharge			
Galvanic isolation				
design of the electrical isolation	galvanic isolation			
galvanic isolation				
 between input and output 	Yes			
between the outputs	Yes			
between the voltage supply and other circuits	No			
Safety related data				
Safety Integrity Level (SIL) acc. to IEC 61508	1			
SIL Claim Limit (subsystem) acc. to EN 62061	1			
performance level (PL) acc. to EN ISO 13849-1	С			
category acc. to EN ISO 13849-1	1			
Safe failure fraction (SFF)	66 %			
PFHD with high demand rate acc. to EN 62061	0.00000039 1/h			
hardware fault tolerance acc. to IEC 61508	0			
T1 value for proof test interval or service life acc. to	20 y			
IEC 61508				
Connections/ Terminals				
product component removable terminal for auxiliary and control circuit	Yes			
and control circuit	Yes Push-in terminal			
and control circuit type of electrical connection	Push-in terminal			
and control circuit type of electrical connection • for auxiliary and control circuit				
and control circuit type of electrical connection • for auxiliary and control circuit type of connectable conductor cross-sections	Push-in terminal spring-loaded terminals (push-in)			
and control circuit type of electrical connection • for auxiliary and control circuit type of connectable conductor cross-sections • solid	Push-in terminal			
and control circuit type of electrical connection • for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing	Push-in terminal spring-loaded terminals (push-in) 0.5 4 mm ²			
and control circuit type of electrical connection • for auxiliary and control circuit type of connectable conductor cross-sections • solid	Push-in terminal spring-loaded terminals (push-in) 0.5 4 mm² 0.5 2.5 mm²			
and control circuit type of electrical connection • for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • finely stranded without core end processing	Push-in terminal spring-loaded terminals (push-in) 0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm²			
and control circuit type of electrical connection • for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • finely stranded without core end processing • at AWG cables solid	Push-in terminal spring-loaded terminals (push-in) 0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 20 12			
and control circuit type of electrical connection • for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • finely stranded without core end processing • at AWG cables solid • at AWG cables stranded	Push-in terminal spring-loaded terminals (push-in) 0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 20 12			
and control circuit type of electrical connection • for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • finely stranded without core end processing • at AWG cables solid • at AWG cables stranded connectable conductor cross-section • solid	Push-in terminal spring-loaded terminals (push-in) 0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 20 12			
and control circuit type of electrical connection • for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • finely stranded without core end processing • at AWG cables solid • at AWG cables stranded connectable conductor cross-section	Push-in terminal spring-loaded terminals (push-in) 0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 20 12 20 12			
and control circuit type of electrical connection • for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • finely stranded without core end processing • at AWG cables solid • at AWG cables stranded connectable conductor cross-section • solid • finely stranded with core end processing	Push-in terminal spring-loaded terminals (push-in) 0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 20 12 20 12 0.5 4 mm² 0.5 2.5 mm²			
and control circuit type of electrical connection • for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • finely stranded without core end processing • at AWG cables solid • at AWG cables stranded connectable conductor cross-section • solid • finely stranded with core end processing • finely stranded with core end processing	Push-in terminal spring-loaded terminals (push-in) 0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 20 12 20 12 0.5 4 mm² 0.5 2.5 mm²			
and control circuit type of electrical connection • for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • finely stranded without core end processing • at AWG cables solid • at AWG cables stranded connectable conductor cross-section • solid • finely stranded with core end processing • finely stranded with core end processing • finely stranded without core end processing AWG number as coded connectable conductor cross	Push-in terminal spring-loaded terminals (push-in) 0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 20 12 20 12 0.5 4 mm² 0.5 4 mm² 20 12			
and control circuit type of electrical connection	Push-in terminal spring-loaded terminals (push-in) 0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 20 12 20 12 0.5 4 mm² 0.5 4 mm² 0.5 4 mm²			
and control circuit type of electrical connection	Push-in terminal spring-loaded terminals (push-in) 0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 20 12 20 12 0.5 4 mm² 0.5 4 mm² 20 12			
and control circuit type of electrical connection • for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • finely stranded without core end processing • at AWG cables solid • at AWG cables stranded connectable conductor cross-section • solid • finely stranded with core end processing • finely stranded with core end processing • finely stranded without core end processing AWG number as coded connectable conductor cross section • solid • stranded	Push-in terminal spring-loaded terminals (push-in) 0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 20 12 20 12 0.5 4 mm² 0.5 4 mm² 20 12			
and control circuit type of electrical connection • for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • finely stranded without core end processing • at AWG cables solid • at AWG cables stranded connectable conductor cross-section • solid • finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing AWG number as coded connectable conductor cross section • solid • stranded Installation/ mounting/ dimensions	Push-in terminal spring-loaded terminals (push-in) 0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 20 12 20 12 0.5 4 mm² 0.5 4 mm² 0.5 4 mm² 0.5 4 mm² 0.5 2.5 mm² 0.5 12			
and control circuit type of electrical connection	Push-in terminal spring-loaded terminals (push-in) 0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 20 12 20 12 0.5 4 mm² 0.5 4 mm² 0.5 4 mm² 0.5 2.5 mm² 0.5 2.5 mm² 0.5 12			
and control circuit type of electrical connection	Push-in terminal spring-loaded terminals (push-in) 0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 20 12 20 12 0.5 4 mm² 0.5 4 mm² 0.5 4 mm² 0.5 2.5 mm² 0.5 2.5 mm² 0.5 2.5 mm² 0.5 4 mm²			
and control circuit type of electrical connection • for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • finely stranded without core end processing • at AWG cables solid • at AWG cables stranded connectable conductor cross-section • solid • finely stranded with core end processing • finely stranded without core end processing AWG number as coded connectable conductor cross section • solid • stranded Installation/ mounting/ dimensions mounting position fastening method height width depth	Push-in terminal spring-loaded terminals (push-in) 0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 20 12 20 12 0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 20 12 any screw and snap-on mounting onto 35 mm standard mounting rail 100 mm			
and control circuit type of electrical connection • for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • finely stranded without core end processing • at AWG cables solid • at AWG cables stranded connectable conductor cross-section • solid • finely stranded with core end processing • finely stranded without core end processing AWG number as coded connectable conductor cross section • solid • stranded Installation/ mounting/ dimensions mounting position fastening method height width	Push-in terminal spring-loaded terminals (push-in) 0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 20 12 20 12 0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 0.5 2.5 mm² 0.5 2.5 mm² 0.5 2.5 mm² 20 12 20 12			
and control circuit type of electrical connection • for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • finely stranded without core end processing • at AWG cables solid • at AWG cables stranded connectable conductor cross-section • solid • finely stranded with core end processing • finely stranded without core end processing AWG number as coded connectable conductor cross section • solid • stranded Installation/ mounting/ dimensions mounting position fastening method height width depth	Push-in terminal spring-loaded terminals (push-in) 0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 20 12 20 12 0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 0.5 2.5 mm² 0.5 2.5 mm² 0.5 2.5 mm² 20 12 20 12			
and control circuit type of electrical connection • for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • finely stranded without core end processing • at AWG cables solid • at AWG cables stranded connectable conductor cross-section • solid • finely stranded with core end processing • finely stranded without core end processing AWG number as coded connectable conductor cross section • solid • stranded Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing	Push-in terminal spring-loaded terminals (push-in) 0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 20 12 20 12 0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 0.5 2.5 mm² 0.5 2.5 mm² 0.5 2.5 mm² 20 12 20 12			
and control circuit type of electrical connection • for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • finely stranded without core end processing • at AWG cables solid • at AWG cables stranded connectable conductor cross-section • solid • finely stranded with core end processing • finely stranded without core end processing AWG number as coded connectable conductor cross section • solid • stranded Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting	Push-in terminal spring-loaded terminals (push-in) 0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 20 12 20 12 0.5 4 mm² 0.5 4 mm² 0.5 4 mm² 0.5 2.5 mm² 0.5 2.5 mm² 0.5 4 mm² 20 12 20 12 20 12			
and control circuit type of electrical connection	Push-in terminal spring-loaded terminals (push-in) 0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 20 12 20 12 0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 0.5 2.5 mm² 0 mm 22.5 mm 90 mm			
and control circuit type of electrical connection	Push-in terminal spring-loaded terminals (push-in) 0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 20 12 20 12 0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 20 12 0.5 4 mm² 0.5 2.5 mm² 0 mm 0 mm 0 mm 0 mm			

— at the side	0 mm
 for grounded parts 	
— forwards	0 mm
— backwards	0 mm
— upwards	0 mm
— at the side	0 mm
— downwards	0 mm
for live parts	
— forwards	0 mm
— backwards	0 mm
— upwards	0 mm
— downwards	0 mm
— at the side	0 mm
Ambient conditions	

Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
 during operation 	-25 +60 °C
during storage	-40 +85 °C
during transport	-40 +85 °C
relative humidity during operation	70 %
explosion protection category for dust	Ex II (2) D [b1] [Ex h] [pyb] [tb] [mb] [kb] [sb] III C Db
explosion protection category for gas	Ex II (2) G [b1] [Ex h] [db] [eb] [pyb] [mb] [ob] [q] [kb] [sb] II C Gb

Certificates/ approvals

General Product Approval

ЕМС

For use in hazardous locations













Functional Safety/Safety of Machinery	Declaration of Conformity		Test Certificates	Marine / Shipping	other
Type Examination Certificate	<u>Miscellaneous</u>	$C \epsilon$	Special Test Certificate	Section Sectio	Confirmation

Further information

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=3RS2600-2BA30

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RS2600-2BA30

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

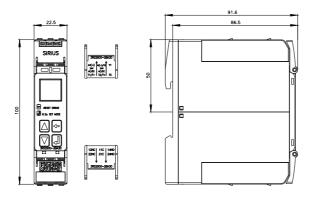
https://support.industry.siemens.com/cs/ww/en/ps/3RS2600-2BA30

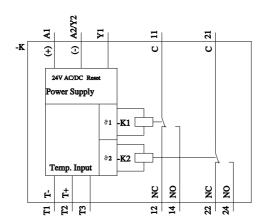
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RS2600-2BA30&lang=en

Characteristic: Derating

https://support.industry.siemens.com/cs/ww/en/ps/3RS2600-2BA30/manual





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