SIEMENS

Data sheet 3RS2600-1BA30



Temperature monitoring relay with display for resistance temperature sensors and thermocouples, 24 V AC/DC, Width 22.5 mm, 2 change-over contacts, screw terminal

Figure simila

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		

• 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	, 12 to mis,		
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 type of electrical connection	Yes screw-type terminals screw-type terminals		
and control circuit	screw-type terminals		
and control circuit type of electrical connection • for auxiliary and control circuit	screw-type terminals screw-type terminals		
and control circuit type of electrical connection • for auxiliary and control circuit type of connectable conductor cross-sections • solid	screw-type terminals screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)		
and control circuit type of electrical connection • for auxiliary and control circuit type of connectable conductor cross-sections	screw-type terminals screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (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	screw-type terminals screw-type terminals 1x (0.5 4.0 mm²), 2x (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 • at AWG cables solid	screw-type terminals screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (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 • at AWG cables solid connectable conductor cross-section • solid	screw-type terminals screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 2.5 mm²) 1x (20 12), 2x (20 14)		
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 • at AWG cables solid connectable conductor cross-section	screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 2.5 mm²) 1x (20 12), 2x (20 14) 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 • at AWG cables solid connectable conductor cross-section • solid • finely stranded with core end processing	screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 2.5 mm²) 1x (20 12), 2x (20 14) 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 • at AWG cables solid connectable conductor cross-section • solid • finely stranded with core end processing	screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 2.5 mm²) 1x (20 12), 2x (20 14) 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 • at AWG cables solid connectable conductor cross-section • solid • finely stranded with core end processing AWG number as coded connectable conductor cross section	screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 2.5 mm²) 1x (20 12), 2x (20 14) 0.5 4 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 • at AWG cables solid connectable conductor cross-section • solid • finely stranded with core end processing AWG number as coded connectable conductor cross section • solid	screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 2.5 mm²) 1x (20 12), 2x (20 14) 0.5 4 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 • at AWG cables solid connectable conductor cross-section • solid • finely stranded with core end processing AWG number as coded connectable conductor cross section • solid • solid • stranded	screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 2.5 mm²) 1x (20 12), 2x (20 14) 0.5 4 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 • at AWG cables solid connectable conductor cross-section • solid • finely stranded with core end processing AWG number as coded connectable conductor cross section • solid • stranded tightening torque with screw-type terminals	screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 2.5 mm²) 1x (20 12), 2x (20 14) 0.5 4 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 • at AWG cables solid connectable conductor cross-section • solid • finely stranded with core end processing AWG number as coded connectable conductor cross section • solid • stranded tightening torque with screw-type terminals Installation/ mounting/ dimensions	screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 2.5 mm²) 1x (20 12), 2x (20 14) 0.5 4 mm² 0.5 4 mm² 20 12 20 12 20 12 0.6 0.8 N·m		
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 • at AWG cables solid connectable conductor cross-section • solid • finely stranded with core end processing AWG number as coded connectable conductor cross section • solid • stranded tightening torque with screw-type terminals Installation/ mounting/ dimensions mounting position	screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 2.5 mm²) 1x (20 12), 2x (20 14) 0.5 4 mm² 0.5 4 mm² 20 12 20 12 20 12 0.6 0.8 N·m		
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 • at AWG cables solid connectable conductor cross-section • solid • finely stranded with core end processing AWG number as coded connectable conductor cross section • solid • stranded tightening torque with screw-type terminals Installation/ mounting/ dimensions mounting position fastening method	screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 2.5 mm²) 1x (20 12), 2x (20 14) 0.5 4 mm² 0.5 4 mm² 0.6 12 20 12 20 12 30 12 30 12 30 12 30 12 30 12 30 12 30 12 30 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 • at AWG cables solid connectable conductor cross-section • solid • finely stranded with core end processing AWG number as coded connectable conductor cross section • solid • stranded tightening torque with screw-type terminals Installation/ mounting/ dimensions mounting position fastening method height	screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 2.5 mm²) 1x (20 12), 2x (20 14) 0.5 4 mm² 0.5 4 mm² 0.6 12 20 12 20 12 30 12 30 12 30 12 30 12 30 12 30 12 30 12 30 12 30 12 30 12 30 12 30 12 30 12 30 12 30 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 • at AWG cables solid connectable conductor cross-section • solid • finely stranded with core end processing AWG number as coded connectable conductor cross section • solid • stranded tightening torque with screw-type terminals Installation/ mounting/ dimensions mounting position fastening method height width	screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 2.5 mm²) 1x (20 12), 2x (20 14) 0.5 4 mm² 0.5 4 mm² 0.6 12 20 12 20 12 20 12 20 12 30 12 100 mm 22.5 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 • at AWG cables solid connectable conductor cross-section • solid • finely stranded with core end processing AWG number as coded connectable conductor cross section • solid • stranded tightening torque with screw-type terminals Installation/ mounting/ dimensions mounting position fastening method height width depth	screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 2.5 mm²) 1x (20 12), 2x (20 14) 0.5 4 mm² 0.5 4 mm² 0.6 12 20 12 20 12 20 12 20 12 30 12 100 mm 22.5 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 • at AWG cables solid connectable conductor cross-section • solid • finely stranded with core end processing AWG number as coded connectable conductor cross section • solid • stranded tightening torque with screw-type terminals Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing	screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 2.5 mm²) 1x (20 12), 2x (20 14) 0.5 4 mm² 0.5 4 mm² 0.6 12 20 12 20 12 20 12 20 12 30 12 100 mm 22.5 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 • at AWG cables solid connectable conductor cross-section • solid • finely stranded with core end processing AWG number as coded connectable conductor cross section • solid • stranded tightening torque with screw-type terminals Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting	screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 2.5 mm²) 1x (20 12), 2x (20 14) 0.5 4 mm² 0.5 4 mm² 20 12 20 12 20 12 10.6 0.8 N·m any screw and snap-on mounting onto 35 mm standard mounting rail 100 mm 22.5 mm 90 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 • at AWG cables solid connectable conductor cross-section • solid • finely stranded with core end processing AWG number as coded connectable conductor cross section • solid • stranded tightening torque with screw-type terminals Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards	screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 2.5 mm²) 1x (20 12), 2x (20 14) 0.5 4 mm² 0.5 4 mm² 20 12 20 12 20 12 100 mm 22.5 mm 90 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 • at AWG cables solid connectable conductor cross-section • solid • finely stranded with core end processing AWG number as coded connectable conductor cross section • solid • stranded tightening torque with screw-type terminals Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards — backwards	screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 2.5 mm²) 1x (20 12), 2x (20 14) 0.5 4 mm² 0.5 4 mm² 20 12 20 12 10 12 20 12 20 12 0.6 0.8 N·m any screw and snap-on mounting onto 35 mm standard mounting rail 100 mm 22.5 mm 90 mm 0 mm 0 mm		
and control circuit type of electrical connection	screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 2.5 mm²) 1x (20 12), 2x (20 14) 0.5 4 mm² 0.5 4 mm² 20 12 20 12 20 12 20 12 30 12 30 12 30 12 40 0.8 N·m any 50 screw and snap-on mounting onto 35 mm standard mounting rail 100 mm 22.5 mm 90 mm 0 mm 0 mm 0 mm 0 mm		
and control circuit type of electrical connection	screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 2.5 mm²) 1x (20 12), 2x (20 14) 0.5 4 mm² 0.5 4 mm² 20 12 20 12 20 12 100 mm 22.5 mm 90 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 m		

— 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			
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

EMC

For use in hazardous locations













Functional Safety/Safety of Machinery	Declaration of Conformity	Test Certificates	Marine / Shipping	other
Type Examination Certificate	Miscellaneous Eg-	Special Test Certificate ate	DNV-GL DNV-GL	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=3RS2600-1BA30

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RS2600-1BA30

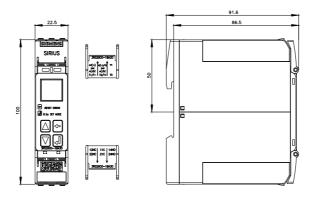
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

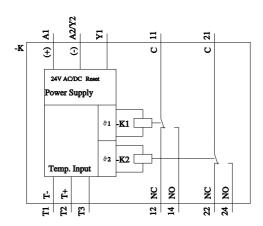
https://support.industry.siemens.com/cs/ww/en/ps/3RS2600-1BA30

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax de.aspx?mlfb=3RS2600-1BA30&lang=en

Characteristic: Derating

https://support.industry.siemens.com/cs/ww/en/ps/3RS2600-1BA30/manual





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