Simcenter SCADAS RS overview table

Normal Normal<				Rugged and connected data acquisition system					
UND Image: Second Se					24-Channel	12-Channel			
Normal Normal Normal Normal Normal Normal Normal Normal Normal				SCRS-B24	SCRS-S24	SCRS-U12	SCRS-REC	SCRS-DI	
Provide and the decompany of the second se				000000000000000000000000000000000000000					
Partner Control Control <t< td=""><td rowspan="3"></td><td rowspan="3"></td><td></td><td></td><td>✓</td><td>✓</td><td></td><td></td><td>✓</td></t<>					✓	✓			✓
Number Image: Additional status descent s									
Name Additional processing and processing			<u> </u>						<i>✓</i>
United Description Description <thdescripition< th=""> <thdescription< th=""> <th< td=""><td></td><td></td><td></td><td>•</td><td></td><td></td><td></td><td><i>·</i></td><td></td></th<></thdescription<></thdescripition<>				•				<i>·</i>	
Partner Control to the partner with a par				✓	✓	✓	✓	✓	✓
Note of the state of			isolation voltage (Class II)	1		 ✓ 	1	<i>✓</i>	 Image: A set of the set of the
Parameter Parameter <t< td=""><td></td><td></td><td></td><td>×</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>×</td></t<>				×	✓	✓	✓	✓	×
Induction Inductor water in the second		Environmental		✓	✓	✓	1	✓	✓
Note of the second process of the second s			- IP66/IP67 certified				-		 Image: A second s
Part of the second se									•
United and a set of a set					-40 to 149 °F	-40 to 185 °F	-40 to 149 °F *	-40 to 149 °F	
Interest Additional particular parterior particular particu	Si	Built-in intelligence		5 11					
Answer Burgerson National Action Section National Action Section National Action A					1	1		1	
Surgical services Surgical services concertantial services concertantial services Surgical services							1		
Bits And a both database base base base base base base base							✓		
Brow addig some addig			critical level, an automatic safe shutdown will be						✓
Brow adding server and and adding server adding	ature		surements						
Biology and biology	Ĕ						✓ (start/stop)		
Burg data Allen gans. Allen gans. Allen gans. Allen gans. Allen gans. Allen gans. Allen gans. Allen gans. Allen gans. Allen gans. Allen gans. Allen gans. Allen gans. Allen gans. Allen gans. Allen gans. Allen gans. Allen gans. Allen gans. Allen gans. Allen gans. Allen gans. Allen gans. Allen gans. Allen gans. Allen gans. Allen gans. Allen gans. Allen gans. Allen gans. Allen gans. Allen gans. Allen gans. Allen gans. Allen gans. Allen gans. Allen gans. Allen gans. Allen gans. Allen gans. Allen gans. Allen gans. Allen gans. Allen gans. Allen gans. Allen gans. Allen gans. Allen gans. Allen gans. Allen gans. Allen gans. Allen gans. Allen gans. Allen gans. Allen gans. Allen gans. Allen gans. Allen gans. Allen gans. Allen gans. Allen gans. <td< td=""><td></td><td rowspan="4">Daisy chaining</td><td>Distribute power and data over distances up to 50 m</td><td></td><td>•</td><td>•</td><td>1</td><td></td><td> Image: A second s</td></td<>		Daisy chaining	Distribute power and data over distances up to 50 m		•	•	1		 Image: A second s
International December Participation December Parti			-	1x up 1x down	1x up 1x down	1x up 1x down	1x up 4x down	1x up 1x down	
Non-short, Name Non-short, Name Non-short, Name Non-short, Name CP Covers No Non-short, Name			consumption						×
Provention Investigation statement on the second biological second biologicological second biologi			downstream chains						
DC Norther Drink for the formation of the second seco									
Private law weight & Add Use Name young i i i i Private law weight & Add Use Name young i i i Private law Add Use Name young i i i Private law Add Use Name young i i i Private law Add Use Name young i i i Private law Add Use Name young i i i Private law Add Use Name young i i i Private law Add Use Name young i i i Private law Add Use Name young i i i Private law Add Use Name young i i i Private law Add Use Name young i i i Private law Add Use Name young i i i Private law Add Use Name young i i i Private law Add Use Name young i i i i Private law Add Use Name young i i i i Private law Add Use Name young i i i i Private law Add Use Name young i i		DC Power input	(only for setup)	<i>✓</i>	1	7		1	
Construction Construction<									✓ ✓
Brands And Sect DC poer A									<u>_</u>
Lack Denset UTD is network and Vic Control X Conserving Price Lack or markets X Die Beitz Gaber and Kein warkets X X Die Beitz Gaber and Kein warkets X X Price Lack warkets X X X X Price Lack warkets X X <td rowspan="5"></td> <td>periods of insufficient DC power</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>			periods of insufficient DC power						
Ite Ite <td></td> <td>×</td> <td>v</td> <td>· · · · · · · · · · · · · · · · · · ·</td> <td>1</td> <td>v</td> <td>v</td>				×	v	· · · · · · · · · · · · · · · · · · ·	1	v	v
Synchronization might RES (Miss)									
Interactionse SD-Dire with 200 (a free data pace) Interaction SD-Dire with 200 (a free data pace) Interaction Canada (a construction) Interaction Canada (a construction) Interaction Canada (a construction) CAN bios Canada (a construction) Opinal Canada Canada (a construction) Opinal Canada Canada (a construction) Canada (a construction) Opinal Canada Canada (a construction) Canada (a construction) Canada (a construction) Opinal Canada Canada (a construction) Canada (a construction) Canada (a construction) Canada (a construction) Opinal Canada Canada (a construction) Canada (a construction) Canada (a construction) Canada (a construction) Opinal Canada Canada (a construction) Canada (a construction) Canada (a construction) Canada (a construction) Opinal Canada (a construction) Opinal Canada (a construction) Canada (a construction) Canada (a construction) Canada (a construction) Canada (a construction) <td></td> <td>5</td> <td></td> <td></td> <td></td> <td>✓ ✓</td> <td></td> <td></td>			5				✓ ✓		
Bioconstructure Bioconstructure Constructure Constru				✓	✓	✓		1	
Input (biological data and provide and prov							1		
GKS 6% CMAX55, ReDut // // CAN box FCM CMAX55, ReDut // // // CAN box FCM CMAX5, ReDut // // // CAN box FCM CMAX5, ReDut // // // Digital Mules FCM CMAX5, ReDut // // // Technic FCM CMAX5, ReDut // // // Digital Mules FCM CMAX5, ReDut // // // Technic FCM CMAX5, ReDut // // // // // Technic FCM CMAX5, ReDut FCM CMAX5, ReDut // // // // // Technic FCM CMAX5, ReDut FCM CMAX5, ReDut // // // // // //		Inputs isolation					✓ 	✓ 	
CAN bas CCR module Thermocolge stronger (type CA) per CAN, type (6 A); thermocolge stronger (type CA) per CAN, type (6 A); thermocolge stronger (type CA) per CAN, type (6 A); thermocolge stronger (type) (thermotolge stronger (type) per CAN, thermocolge s		GNSS	GPS, GLONASS, BeiDou				•	-	
Bigle To Res Displet To Res Oracle Solution Digital fue all framewise Digital framewise Digital framewise Digital framewise Digital framewise Digita							-		
Upper Link with the second s							-		
Digital Pubes Technol Tit, Gibble ended and differential, R542208383 V V V Retay & Ensence recoder sensors (eff, venne of restation, pubes) V V V V Pube & Tit, Gibble and of methods, N542208363 V V V V V Pube & Tit, Gibble and of methods, N542208363 V V V V V Pube & Tit, Gibble and of methods, N542208363 V V V V V Signal available up to 3 thte V V V V V V Signal available rate, Signal available up to 3 thte V V V V V V Signal available rate, Signal available			Up to 1 Mpulse/s				✓	✓	
Tacho Index prime encoder sensors (uf, sense uf relation, public based on reference public (for encoder type sensors)		Digital Pulse & Tacho							
Image: Provision based on reference public for encoder (response) Image: Provision based on rate (for encoder (response)) Public & Tacho Control (linear or angular position), and rate (frequent (response)) Image: Provision based on rate (frequent (response)) Analog Rules (Partice) Control (linear or angular position), and rate (frequent (response)) Image: Provision based on rate (frequent (response)) Analog Rules (Partice) Channels Image: Provision based on rate (frequent (response)) Sample rates (Partice) Data (Partice) Image: Provision based on rate (frequent (response)) Sample rates (Partice) Data (Partice) Data (Partice) Sample rates (Partice) Data (Partice) Data (Partice) Data (Partice) Sample rates (Partice) Data (Partice) Data (Partice) Data (Partice) Data (Partice) Significand (Partice) Data (Partice) Data (Partice) Data (Partice) Data (Partice) Data (Partice) Signipe rades (Partice) Data (Partice) <td>Rotary or linear encoder sensors (ref, sense of</td> <td></td> <td></td> <td></td> <td>1</td> <td>1</td> <td></td>			Rotary or linear encoder sensors (ref, sense of				1	1	
Pulse & Tachy Control (nonc) and uite position), and rate (frequency), expect, RRM, fuel from, and rate (frequency), expect, RRM, fuel frequency, expect, RRM, fuel frequenc								1	
Plote & Ischol cy, speed, RM, fuel frow,) cy, speed, RM, fuel frow,) Signal availability up to 3 Hz								v	
Analog Pulse & Tacho Tacho Tx Analog Channels Total 24x 24x Bandwidthy per Sample rates Sample rates and sets and set point of the set			cy, speed, RPM, fuel flow,)				-		
Tacho Up to 18 kputa85 um um um um up to 400 Vpp Analog channels Total 24k 24k 12k Sample rates Sectable rates 0.2 Hz to 24 Hz 0.2 Hz to 24 Hz 0.2 Hz to 48 Hz Sample rates Sectable rates 0.2 Hz to 24 Hz 0.2 Hz to 48 Hz 0.2 Hz to 48 Hz Channel 2 24 Hz to 2. ADC multiple-step decimation 7 7 7 Channel 3 Bessel, Burtworth, Gaussian and Steep FIR filters 7 7 7 Channel 3 Current loop (0.4.2 on A Lower shunt resistor) 7 7 7 Single endd DC and AC coupled 7 7 7 7 Single endd DC and AC coupled 7 7 7 7 Unipolar DC: 5V 7 7 7 7 7 7 Bipolar AC: 06 Vms, 2 Vms, 6 Vms 7 7 7 7 7 7 Bipolar AC: 06 Vms, 2 Vms, 6 Vms 7 7 7 7 7 7 7 7 Bipolar AC: 06 Vms, 2 Vms, 6 Vms 7 7 7 7 7 7 <t< td=""><td></td><td rowspan="2">Analog Pulse & Tacho</td><td>5</td><td></td><td></td><td>•</td><td></td><td></td><td></td></t<>		Analog Pulse & Tacho	5			•			
Product Supple rates per Sample rates per channel Total D2 Hz to 24 kHz D2 Hz to 24 kHz Sample rates per channel 24-bit L3Z ADC multiple-step decimation 02 Hz to 24 kHz 02 Hz to 24 kHz 02 Hz to 24 kHz Jiffeential conditioning 24-bit L3Z ADC multiple-step decimation 04 Hz Up to 4 kHz Up to 8 kHz Jiffeential conditioning Conditioning Conditioning 04 Hz Up to 4 kHz Up to 8 kHz Jiffeential conditioning Conditioning Conditioning Conditioning Conditioning Jiffeential conditioning Conditioning Conditioning Conditioning Conditioning Jiffeential conditioning CPS ensols - - - Jingle rates Conditioning CPS ensols - - Jingle rates CPS ensols - - - Jingle rates Unipolar DC: 15 V - - - Jingle rates Supply power Unipolar DC: 5 V - - Bipolar AC: 10 6 Vms.2 Vms.6 Vms - - -	Conditioning options		· ·						
Channel Z4-bit ΔZ ADC multiple-step decimation Image: Channel Selectable bandwidths Up to 4 kHz Up to 4 kHz Up to 8 kHz Channel (30) Coll (30) Besside (30) Image: Channel (30)			Total			12x			
Bandwidths per families Selectable bandwidths Up to 4 kHz Up to 4 kHz Up to 8 kHz Differential Volage up to 210V / / / // // Orditioning per channel Volage up to 210V / // // // // Single ended Octaret blog 04/20 mA (over shunt resistor) // // // // Single ended Voltage up to 250V // // // // // Uhipolar DC: 15 V // // // // // // Bipolar DC: 15 V // // // // // // Uhipolar DC: 15 V // // // // // // Bipolar DC: 1V (=0.5 V), 3V (=1.5 V), 10V (=5 V) // // // // // Quarter bridges with completion resistor 120 Q / (824-120) // // // // Bridge condition ing per channel Starte bridges with completion resistor 30 Q / (824-120) // // // Quarter bridges with completion resistor 30 Q / (824-120) // <								30	And And Mail Half And
Differential conditioning per channel Voltage up to ±10 V / / / Single ended conditioning per channel Voltage up to ±60 V / / / Unipolar DC: 15 V / / / / Biple andel per channel DC and AC coupled / / / Unipolar DC: 15 V / / / / Biplar AC: 0.6 Vrms, 2 Vrms, 6 Vrms / / / / Quarter bridges with completion resistor 120 Q / (B24-350) / / / Bridge condition- ing per channel Bridges with completion resistor 120 Q / (B24-350) / / / Total cells / / / / / / / Bridge condition- ing per channel Bridges orditive sensors / / / / / Internal and external shunt calibration / / / / / / Internal and external shunt calibration / / / / / / Internal and external shunt calibration / / / / <td>Bandwidths per</td> <td>Selectable bandwidths</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>13 10 1 Time (g) 5</td>		Bandwidths per	Selectable bandwidths						13 10 1 Time (g) 5
Conditioning per channel Current loop 0/4-20 mA (over shunt resistor) ✓ ** ✓ Note that the short of the				•	<u> </u>				
Single ended conditioning part channel Voltage up to ±60 V / / / D cand AC coupled / / / / D cand AC coupled / / / / Supply power per channel Unipolar DC: 15 V / / / Bipolar AC: 0.6 Vms, 2 Vms, 6 Vms / / / / Bipolar AC: 0.6 Vms, 2 Vms, 6 Vms / / / / Quarter bridges with completion resistor 120 Q / (824-120) / / / Quarter bridges with completion resistor 350 Q / (824-120) / / / Bridge condition- ing per channel Strain gauges / / / / Bridge condition- resistor 120 Q / (824-120) / / / / Quarter bridges with completion resistor 350 Q / (824-120) / / / / Piezo-resistive and piezo-capacitive sensors / / / / / / Ing per channel Dotentionel indexternal shunt calibration / / / / / /		conditioning per	Current loop 0/4-20 mA (over shunt resistor)	✓ **			S - C	ROWER PALT	MANANA A MANA
conditioning pr channel CP® sensors / / DC and AC couled / / DC and AC couled / / Supply power per channel Unipolar DC: 5 V / / Bipolar DC: 1V (±0.5 V), 3V (±1.5 V), 10V (±5 V) / / Bipolar DC: 1V (±0.5 V), 3V (±1.5 V), 10V (±5 V) / / Quarter bridges with completion resistor 120 Q / (B24+120) / Quarter bridges with completion resistor 350 Q / (B24+350) / Bridge condition- ing per channel Ratio metric ranges from 3 mV/V to 10000 mV/V / Bridge condition- ing per channel Ratio metric ranges from 3 mV/V to 10000 mV/V / The sensors / / / To sensors / / / To ther condition- ing per channel Inductive AC LVD/IR/VT / / Other condition- ing per channel Inductive AC LVD/IR/VT / / Other condition- ing per channel Piezo-resistive and piezo-capacitive sensors / / RTD sensors / / / / / Detentiometers /<			•	✓					
Unipolar DC: 15 V / Supply power per channel Unipolar DC: 5 V Bipolar DC: 15 V / Bipolar DC: 10 (±0.5 V), 3V (±1.5 V), 10V (±5 V) / Bipolar DC: 0 (±0.5 V), 3V (±1.5 V), 10V (±5 V) / Bipolar DC: 10 (±0.5 V), 2V (±1.5 V), 10V (±5 V) / Quarter bridges with completion resistor 120 Q / (B24-120) Quarter bridges with completion resistor 120 Q / (B24-350) Quarter bridges with completion resistor 350 Q / (B24-350) Strain gauges / / Load cells / / Piezo-resistive and piezo-capacitive sensors / / RTD sensors / / Thremal and external shunt calibration / / Other condition- ing per channel Inductive AC LVDT/RVDT / Potentiometers / / /		conditioning per	ICP® sensors		1	V		NAMBER LATZ	unno -
Supply power per channel Unipolar DC: 5 V / / Bipolar DC: 1V (±0.5 V), 3V (±1.5 V), 10V (±5 V) / / Bipolar AC: 0.6 Vrms, 2 Vrms, 6 Vrms / / Full and half bridges (120 Q, 350 Q, 1000 Q, free entry) / / Quarter bridges with completion resistor 120 Q / (B24+120) / Quarter bridges with completion resistor 350 Q / (B24+350) / Ratio metric ranges from 3 mV/V to 10000 mV/V / / Strain gauges / / Ioad cells / / Piezo-resistive and piezo-capacitive sensors / / RTD sensors / / Internal and external shunt calibration / / Inductive AC LVDT/RVDT / / Prezo-renationer Inductive AC LVDT/RVDT / Ing per channel Potentiometers /		Supply power per channel							CERTAR AND
Full and half bridges (120 Ω, 350 Ω, 1000 Ω, free entry) ✓ Quarter bridges with completion resistor 120 Ω ✓ (1824-120) Quarter bridges with completion resistor 350 Ω ✓ (1824-350) Bridge condition- ing per channel Ratio metric ranges from 3 mV/V to 10000 mV/V ✓ Strain gauges ✓ ✓ Load cells ✓ ✓ Piezo-resistive and piezo-capacitive sensors ✓ ✓ Internal and external shunt calibration ✓ ✓ Other condition- ing per channel Inductive AC LVDT/RVDT ✓ Potentiometers ✓ ✓			Unipolar DC: 5 V	 Image: A second s		1			
Full and half bridges (120 Ω, 350 Ω, 1000 Ω, free entry) ✓ Quarter bridges with completion resistor 120 Ω ✓ (1824-120) Quarter bridges with completion resistor 350 Ω ✓ (1824-350) Bridge condition- ing per channel Ratio metric ranges from 3 mV/V to 10000 mV/V ✓ Strain gauges ✓ ✓ Load cells ✓ ✓ Piezo-resistive and piezo-capacitive sensors ✓ ✓ Internal and external shunt calibration ✓ ✓ Other condition- ing per channel Inductive AC LVDT/RVDT ✓ Potentiometers ✓ ✓								00000	
Ing per channel Strain gauges Images Load cells Images Images Piezo-resistive and piezo-capacitive sensors Images Images RTD sensors Images Images Internal and external shunt calibration Images Images Other condition- ing per channel Images Images Potentiometers Images Images			Full and half bridges (120 Ω , 350 Ω , 1000 Ω , free	1		✓	SYNC IGON		Hoster C R .
Ing per channel Strain gauges Images Load cells Images Images Piezo-resistive and piezo-capacitive sensors Images Images RTD sensors Images Images Internal and external shunt calibration Images Images Other condition- ing per channel Images Images Potentiometers Images Images		Bridge condition- ing per channel	Quarter bridges with completion resistor 120 Ω	✓ (B24-120)		✓			Company L Company FL+2
Ing per channel Strain gauges Images Load cells Images Images Piezo-resistive and piezo-capacitive sensors Images Images RTD sensors Images Images Internal and external shunt calibration Images Images Other condition- ing per channel Images Images Potentiometers Images Images				, ,				0000000000	
Piezo-resistive and piezo-capacitive sensors Image: Capacitive sensors RTD sensors Image: Capacitive sensors Internal and external shunt calibration Image: Capacitive sensors Other condition- ing per channel Inductive AC LVDT/RVDT Potentiometers Image: Capacitive sensors			Strain gauges	✓		<i>✓</i>		6 y 16 17 20 21 22 23 3	
RTD sensors Image: Constraint of the c				•					
Other condition- ing per channel Inductive AC LVDT/RVDT Image: Condition of the second s			RTD sensors	✓		✓			4 0.25052 2074 0.4663 Marc
ing per channel Potentiometers							unternancement my		And
(*) Under certain conditions (**) Only if sensor is externally supplied			Potentiometers			✓	1 0012		

(*) Under certain conditions. (**) Only if sensor is externally supplied.

siemens.com/simcenterscadas

© 2022 Siemens. 83222-D7 9/22 H