## **SIEMENS**

Data sheet 3RQ4070-2SG30



input optocoupler, 110-230 V AC/DC, 1 NO contact, spring-loaded terminal (pushin), width 6.2 mm, thermal current 5 A  $\,$ 

product brand name	SIRIUS		
product category	SIRIUS 3RQ4 coupling relay, narrow design		
product designation	Coupling relay with integrated semiconductor output		
design of the product	input coupling link		
product type designation	3RQ4		
General technical data			
display version LED	Yes		
product feature protective coating on printed-circuit board	No		
product component			
relay output	No		
• semi-conductor output	Yes		
power loss [W] maximum	1.9 W		
consumed active power	0.5 W		
insulation voltage for overvoltage category III according to IEC 60664 with degree of pollution 3 rated value	300 V		
surge voltage resistance rated value	4 kV		
maximum permissible voltage for protective separation			
<ul> <li>between control and auxiliary circuit</li> </ul>	300 V		
<ul> <li>between control and auxiliary circuit according to IEC 60947-1</li> </ul>	300 V		
flammability class of enclosure material	UL94 V-0		
shock resistance			
• according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms		
vibration resistance			
• according to IEC 60068-2-6	6 150 Hz: 2 g		
switching frequency	25 Hz		
thermal current	5 A		
short-time withstand current (Icw) limited to 10 ms	8 A		
reference code according to IEC 81346-2	К		
Substance Prohibitance (Date)	09/26/2024		
SVHC substance name	Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol - 79-94-7		
Weight	0.03 kg		
Control circuit/ Control			
control supply voltage at AC			
at 50 Hz rated value	110 230 V		
at 60 Hz rated value	110 230 V		
control supply voltage frequency			
• 1 rated value	50 Hz		
• 2 rated value	60 Hz		

operating range factor control supply voltage rated value at C  • Initial value • Initial valu		440 0001/		
initial value in	control supply voltage at DC rated value	110 230 V		
Final value   0,7   1   1   1   1   1   1   1   1   1				
a full-scale value  AC at 60 ftz  AC at 60 ftz  initial value  a full-scale value  Contact parage factor control supply voltage rated value at  AC at 60 ftz  initial value  a full-scale value  full-scale value  a full-scale va		0.7		
specially range factor control supply voltage rated value at & a hidial value of the second value at & a hidial value of the second value at & a hidial value of the surge suppressor at input of the surge suppressor at input of the surge suppressor at input of the surge suppressor at output of the surge surger at the surger surger surger at the surger surg				
AC at 60 fiz  initial value  6. file-cale value  1.1  Coprating range factor control supply voltage rated value at AC at 60 fiz  initial value  6. file-cale value  1.1  Codesign of the surge suppressor at input  Codesign of the surge suppressor at output  Minimum switching voltage when switching on  74 V  Maximum switching voltage when switching on  74 V  Maximum switching voltage when switching on  74 V  Maximum switching voltage when switching on  75 ms  10 V   ON-delay time  10 C maximum  2 ms  5 ms  10 C maximum  2 ms  5 ms  10 C maximum  10 First  10 C maximum  10 C maximum  10 First  10 V   ON-delay time with maximum  10 V   ON				
e full-carde value  a ritilaction value  a full-carde value  a ful				
Impatibility range factor control supply voltage rated value at & Initial value   Initial va	• initial value	0.7		
AC at 6 fize    Initial value   6 fill scale value   1.1   1	• full-scale value	1.1		
initial value initial value design of the surge suppressor at output maximum switching voltage when switching of No-deley time at DC maximum  stricthing voltage when switching off ON-deley time at DC maximum  5 ms 10 Cmaximum 10 Cmaximum 5 ms 10 Cmaximum				
full-scale value design of the surge suppressor at input design of the surge suppressor at output Suppressor diode minimum switching voltage when switching on maximum switching voltage when switching off      value     va				
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maximum switching voltage when switching off ON-delay time  * at AC maximum  * at DC maximum  * be adage current of the electronics for control with signal of the switching function  * design of the switching function positively driven  * Drightal Outputs  * property of the output short-circuit proof  * Yes  * Mechanical data  * product component plug-in socket  * No  * Short-circuit protection  * design of the fuse link for short-circuit protection of the auxiliary switch required  * Auxiliary circuit  * Uppe of switching contact  * unumber of NO contacts for auxiliary contacts  * In NO contact  * Unumber of NO contacts for auxiliary contacts  * AC/IDC  * Inputs* Outputs  * switching current of semiconductor outputs  * Uppe of voltage of the output voltage  * DC  * voltage of the semiconductor output at DC  * In Ma				
ON-cleaty time   * at AC maximum  * at CC maximum  * at C				
at AC maximum 5 ms 10F-delay time maximum 5 ms 00FF-delay time maximum 5 ms 000 ms 10akage current of the electronics for control with signal of 2  Switching Function 4 design of the switching function positively driven Property of the output short-circuit proof Wechanical data product component plug-in socket No Short-circuit protection 4 design of the rise limits for short-circuit protection of the auxiliary switch required Auxiliary circuit 1 type of switching contact No conta		10 V		
e at DC maximum 2 ms 5 ms 5 ms 6 ms 6 ms 6 ms 6 ms 6 ms 6				
OFF-delay time maximum  leakage current of the electronics for control with signal qb Switching Function  design of the switching function positively driven  No Digital Outputs  property of the output short-circuit proof  Mechanical data  product component plug-in socket  No Short-circuit protection  design of the size link for short-circuit protection of the auxiliary switch required  Auxiliary circuit  type of switching contact  No contact  number of NO contacts for auxiliary contacts  1  NO contact  number of NO contacts for auxiliary contacts  ACIDC  Imputer Outputs  Witching current of semiconductor outputs  6 A  Lype of voltage of the output voltage  Voltage drop when switched-through maximum  90 mV  switching voltage of the output voltage  Voltage drop when switched-through maximum  90 mV  switching contact in auxiliary contact to 10 30 V  ampacity of the semiconductor output at DC  Imputer Coulputs  Encompanibit compatibility  electromagnetic compatibility  EMC emitted interference according to IEC 60947-1  conducted interference  • due to bounductor-conductor surge according to IEC 61000-4-5  • due to conductor-conductor surge according to IEC 61000-4-2  • due to conductor-conductor surge according to IEC 61000-4-2  • due to conductor-conductor surge according to IEC 61000-4-2  • due to conductor-conductor surge according to IEC 61000-4-2  • due to conductor-conductor surge according to IEC 61000-4-2  • due to conductor-conductor surge according to IEC 61000-4-2  • due to conductor-conductor surge according to IEC 61000-4-2  • due to conductor-conductor surge according to IEC 61000-4-2  • due to conductor-conductor surge according to IEC 61000-4-2  • due to conductor-conductor surge according to IEC 61000-4-2  • due to conductor-conductor surge according to IEC 61000-4-2  • due to conductor-conductor surge according to IEC 61000-4-2  • due to conductor-conductor surge according to IEC 61000-4-5  • due to conductor-conductor surge according to IEC 61000-4-5  • due to conductor-conductor surge accord				
leakage current of the electronics for control with signal of Switching Function  design of the switching function positively driven    Property of the output short-circuit proof   Yes				
switching Function  design of the switching function positively driven  bigital Outputs  property of the output short-circuit proof  Mechanical data  product component plug-in socket  No  Short-circuit protoction  design of the fuse link for short-circuit protection of the auxiliary switch required  Auxiliary circuit  type of switching contact  No Contacts  No Contact  Auxiliary circuit  type of voltage  AC/IDC  Inputs  Quitage  AC/IDC  Inputs  AC/IDC  Inputs  Quitage  AC/IDC  Inputs  AC/I				
Switching Function design of the switching function positively driven No  Digital Outputs  property of the output short-circuit proof  Mechanical data  product component plug-in socket  Short-circuit protoction  design of the fuse link for short-circuit protection of the auxiliary switch required.  Auxiliary circuit  Type of switching contact  No contact  No contact  No contact  No contact  No contact  Type of voltage  No contacts for auxiliary contacts  Type of voltage  No contacts for auxiliary contacts  No contact  Type of voltage  No contacts for auxiliary contacts  No contact  No contact for auxiliary contacts  No contact  Type of voltage  No contact for auxiliary contacts  No contact  No		U.U2 MA		
Digital Outputs  Property of the output short-circuit proof Mochanical data  product component plug-in socket  No Short-circuit protection  design of the fuse link for short-circuit protection of the auxiliary switch required  Auxiliary circuit  type of switching contact number of NO contacts for auxiliary contacts 1  Auxiliary circuit  type of voltage AC/DC  Inputs  Outputs  witching current of semiconductor outputs 6 A  type of voltage of the semiconductor outputs 9 DC  voltage of the semiconductor output at DC 1 mam. 6 A  Electromagnetic compatibility electromagnetic compatibility  EMC emitted interference according to IEC 61000-4-2  of ube to burst according to IEC 61000-4-2  of ube to conductor-conductor surge according to IEC 61000-4-2  of lectromagnetic conductor surge according to IEC 61000-4-2  of ube to conductor-conductor surge according to IEC 61000-4-2  of ube to conductor-conductor surge according to IEC 61000-4-2  of ube to conductor-conductor surge according to IEC 61000-4-2  of ube to conductor-conductor surge according to IEC 61000-4-2  of ube to conductor-conductor surge according to IEC 61000-4-2  of ube to conductor-conductor surge according to IEC 61000-4-2  of ube to conductor-conductor surge according to IEC 61000-4-3  of ube to conductor-conductor surge according to IEC 61000-4-3  of ube to conductor-conductor surge according to IEC 61000-4-3  of ube to conductor-conductor surge according to IEC 61000-4-3  of ube to conductor-conductor surge according to IEC 61000-4-3  of ube to conductor-conductor surge according to IEC 61000-4-3  of ube to conductor-conductor surge according to IEC 61000-4-3  of ube to conductor-conductor surge according to IEC 61000-4-3  of ube to conductor-conductor surge according to IEC 61000-4-3  of ube to conductor-conductor surge according to IEC 61000-4-3  of ube to conductor-conductor surge according to IEC 61000-4-3  of ube to conductor-conductor surge according to IEC 61000-4-3  of ube to conductor-conductor surge according to IEC 61000-4-3  of ube to condu				
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Mechanical data product component plug-in socket No Short-circuit protection design of the fuse link for short-circuit protection of the auxiliary switch required Auxiliary circuit type of switching contact NO contact number of NO contacts for auxiliary contacts 1 Main circuit Vipe of voltage AC/IDC Inputs/ Outputs switching current of semiconductor outputs (6 A (7 C) Inputs/ Outputs Switching current of semiconductor outputs (7 C) (8 A (7 C) Inputs/ Outputs Switching current of semiconductor outputs (8 A (7 C) Inputs/ Outputs Switching current of semiconductor output at DC Inputs/ Outputs Switching output voltage DC Voltage of the output voltage DC Voltage of when switched-through maximum Switching voltage of the semiconductor output at DC In 30 V Ampacity of the semiconductor output at DC In 30 V Ampacity of the semiconductor output at DC In 4. 6. A  Electromagnetic compatibility electromagnetic compatibility electromagnetic compatibility electromagnetic compatibility according to IEC 60947-1 ambience A (industrial sector) EMC immunity according to IEC 60947-1 conducted interference elue to burst according to IEC 61000-4-5 elue to burst according to IEC 61000-4-5 elue to conductor-earth surge according to IEC 61000-4-5 elue to conductor-conductor surge according to IEC 61000-4-5		Yes		
product component plug-in socket  Short-circuit protection  design of the fuse link for short-circuit protection of the auxiliary switch required  Auxiliary circuit  type of switching contact Auxiliary circuit  type of switching contact Alian circuit  Type of voltage Ac/IDC  Imputs/ Outputs  switching current of semiconductor outputs At type of voltage of the output voltage  pocuation of the output voltage  pocuation of the semiconductor output at DC  Impact of the semiconductor output a				
design of the fuse link for short-circuit protection of the auxiliary switch required  Auxiliary circuit  type of switching contact number of NO contacts for auxiliary contacts  Main circuit  type of voltage AC/DC Inputs/ Outputs  Switching current of semiconductor outputs (5 A type of voltage of the output voltage DC voltage drop when switched-through maximum Switching voltage of the semiconductor output at DC The semiconductor output of t		No		
design of the fuse link for short-circuit protection of the auxiliary switch required  type of switching contact  NO contact  NO contact  NO contact  NO contact  NO contact for auxiliary contacts  NO contact  NO contact for auxiliary contacts  NO contact  NO contact for auxiliary contacts  NO contact		INO		
switch required  Auxiliary circuit  type of switching contact number of NO contacts for auxiliary contacts  1  Main circuit  type of voltage Inputs/ Outputs  switching current of semiconductor outputs  4 Ac/DC  Inputs/ Outputs  switching current of semiconductor outputs  5 A  type of voltage of the output voltage  Cottage drop when switched-through maximum  90 mV  switching voltage of the semiconductor output at DC  1 mA 6 A  Electromagnetic compatibility  electromagnetic compatibility  electromagnetic compatibility  electromagnetic compatibility  acc. to EN 60947-5-1  EMC emitted interference according to IEC 60947-1  corresponds to degree of severity 3  conducted interference according to IEC 6000-4-4  4 Use to burst according to IEC 61000-4-5  4 Oute to conductor-carth surge according to IEC 61000-4-5  4 Oute to conductor-carth surge according to IEC 61000-4-5  4 Oute to conductor-conductor surge according to IEC 61000-4-3  4 Oute to conductor-carth surge according to IEC 61000-4-3  5 Outer of the conductor-carth surge according to IEC 61000-4-3  6 Id-Dassed interference according to IEC 61000-4-2  6 IkV contact discharge / 8 kV air discharge  Display  display version as status display by LED  LED green  Connections/ Terminals  product function removable terminal  No  type of electrical connection  6 or auxiliary and control circuit  8 spring-loaded terminals (push-in)  4 syring-loaded terminals (push-in)		fund a C: A A		
type of switching contact number of NO contacts for auxiliary contacts  Main circuit  type of voltage		iuse yo. 4 A		
number of NO contacts for auxiliary contacts  Main circuit  type of voltage	Auxiliary circuit			
Main circuit  type of voltage Inputs/Outputs  switching current of semiconductor outputs 6 A  type of voltage of the output voltage DC  voltage drop when switched-through maximum 90 mV  switching voltage of the semiconductor output at DC 10 30 V  ampacity of the semiconductor output at DC 1 mA 6 A  Electromagnetic compatibility  electromagnetic compatibility  electromagnetic compatibility acc. to EN 60947-5-1  EMC emitted interference according to IEC 60947-1 ambience A (industrial sector)  EMC immunity according to IEC 60947-1 corresponds to degree of severity 3  conducted interference  • due to burst according to IEC 61000-4-4 2 kV  • due to conductor-earth surge according to IEC 61000-4-5 2 kV  • due to conductor-earth surge according to IEC 61000-4-5 1 kV  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  Display  display version as status display by LED LED green  Connections/ Terminals  product function removable terminal type of electrical connection  • for auxiliary and control circuit spring-loaded terminals (push-in)  type of connection technology 3-wire technology	type of switching contact	NO contact		
type of voltage   AC/DC   Inputs/ Outputs   switching current of semiconductor outputs   6 A   type of voltage of the output voltage   DC   voltage of the output voltage   DC   voltage of the semiconductor output at DC   10 30 V   ampacity of the semiconductor output at DC   1 mA 6 A   Electromagnetic compatibility   electromagnetic compatibility   acc. to EN 60947-5-1   EMC emitted interference according to IEC 60947-1   ambience A (industrial sector)   EMC immunity according to IEC 60947-1   corresponds to degree of severity 3   conducted interference   • due to burst according to IEC 61000-4-4   2 kV   • due to conductor-earth surge according to IEC 61000-4-5   2 kV   • due to conductor-conductor surge according to IEC 61000-4-5   1 kV   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   Display   display version as status display by LED   LED green   Connections/ Terminals   product function removable terminal   No   type of electrical connection   • for auxiliary and control circuit   spring-loaded terminals (push-in)   type of connection technology   3-wire technology	number of NO contacts for auxiliary contacts	1		
inputs/ Outputs  switching current of semiconductor outputs 6 A  type of voltage of the output voltage DC  voltage drop when switched-through maximum 90 mV  switching voltage of the semiconductor output at DC 10 30 V  ampacity of the semiconductor output at DC 1 mA 6 A  Electromagnetic compatibility  electromagnetic compatibility acc. to EN 60947-5-1  EMC emitted interference according to IEC 60947-1 ambience A (industrial sector)  EMC immunity according to IEC 60947-1 corresponds to degree of severity 3  conducted interference  • due to burst according to IEC 61000-4-4 2 kV • due to conductor-earth surge according to IEC 61000-4-5 2 kV • due to conductor-conductor surge 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  Display  display version as status display by LED LED green  Connections/ Terminals  product function removable terminal  type of electrical connection  • for auxiliary and control circuit spring-loaded terminals (push-in)  type of connection technology  3-wire technology	Main circuit			
switching current of semiconductor outputs  type of voltage of the output voltage  voltage drop when switched-through maximum  switching voltage of the semiconductor output at DC  ampacity of the se	type of voltage	AC/DC		
type of voltage of the output voltage  voltage drop when switched-through maximum  90 mV  switching voltage of the semiconductor output at DC  ampacity of the semiconductor output at DC  1 mA 6 A  Electromagnetic compatibility  electromagnetic compatibility  EMC emitted interference according to IEC 60947-1  EMC immunity according to IEC 60947-1  conducted interference  • due to burst according to IEC 61000-4-4  • due to conductor-earth surge according to IEC 61000-4-5  • due to conductor-conductor surge according to IEC 61000-4-5  • field-based interference according to IEC 61000-4-3  field-based interference according to IEC 61000-4-2  block  field-based interference according to IEC 61000-4-3  clock vontact discharge / 8 kV air discharge  Display  display version as status display by LED  LED green  Connections/ Terminals  product function removable terminal  vpe of electrical connection  • for auxiliary and control circuit  spring-loaded terminals (push-in)  type of connection technology  3-wire technology	Inputs/ Outputs			
voltage drop when switched-through maximum  switching voltage of the semiconductor output at DC  ampacity of the semiconductor output at CE NO OE A  ambier of the semiconductor output at CE NO OE A  ambier of the semiconductor output at CE NO OE A  ambier of the semiconductor output at CE NO OE A  ambier of the semiconductor output at CE NO OE A  ambier of the semiconductor output at CE NO OE A  ambier of the semiconductor output at CE NO OE A  ambier of the	switching current of semiconductor outputs	6 A		
switching voltage of the semiconductor output at DC ampacity of the semiconductor output at DC ampacity of the semiconductor output at DC  I mA 6 A  Electromagnetic compatibility  electromagnetic compatibility  acc. to EN 60947-5-1  EMC emitted interference according to IEC 60947-1  EMC immunity according to IEC 60947-1  conducted interference  • due to burst according to IEC 61000-4-4  • due to conductor-earth surge according to IEC 61000-4-5  • due to conductor-conductor surge according to IEC 61000-4-5  field-based interference according to IEC 61000-4-3  electrostatic discharge according to IEC 61000-4-2  bisplay  display version as status display by LED  LED green  Connections/ Terminals  product function removable terminal  vpe of electrical connection  • for auxiliary and control circuit  type of connection technology  3-wire technology	type of voltage of the output voltage	DC		
ampacity of the semiconductor output at DC  Electromagnetic compatibility  electromagnetic compatibility  EMC emitted interference according to IEC 60947-1  EMC immunity according to IEC 60947-1  conducted interference  • due to burst according to IEC 61000-4-4  • due to conductor-earth surge according to IEC 61000-4-5  • due to conductor-conductor surge according to IEC 61000-4-5  • field-based interference according to IEC 61000-4-2  Electromagnetic compatibility  display version as status display by LED  Connections/ Terminals  product function removable terminal	voltage drop when switched-through maximum	90 mV		
electromagnetic compatibility electromagnetic compatibility acc. to EN 60947-5-1  EMC emitted interference according to IEC 60947-1  EMC immunity according to IEC 60947-1  corresponds to degree of severity 3  conducted interference  • due to burst according to IEC 61000-4-4 • due to conductor-earth surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5  field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2  Display  display version as status display by LED  Connections/ Terminals  product function removable terminal No  type of electrical connection • for auxiliary and control circuit  spring-loaded terminals (push-in)  type of connection technology  3-wire technology		10 30 V		
electromagnetic compatibility acc. to EN 60947-5-1  EMC emitted interference according to IEC 60947-1 ambience A (industrial sector)  EMC immunity according to IEC 60947-1 corresponds to degree of severity 3  conducted interference  • due to burst according to IEC 61000-4-4 2 kV  • due to conductor-earth surge according to IEC 61000-4-5 2 kV  • due to conductor-conductor surge according to IEC 61000-4-5 1 kV  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  Display  display version as status display by LED LED green  Connections/ Terminals  product function removable terminal No  type of electrical connection  • for auxiliary and control circuit spring-loaded terminals (push-in)  type of connection technology 3-wire technology	ampacity of the semiconductor output at DC	1 mA 6 A		
EMC emitted interference according to IEC 60947-1 ambience A (industrial sector)  EMC immunity according to IEC 60947-1 corresponds to degree of severity 3  conducted interference  • due to burst according to IEC 61000-4-4 • due to conductor-earth surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 field-based interference according to IEC 61000-4-3 field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2  Display display version as status display by LED  LED green  Connections/ Terminals  product function removable terminal No type of electrical connection • for auxiliary and control circuit spring-loaded terminals (push-in) type of connection technology 3-wire technology	Electromagnetic compatibility			
EMC immunity according to IEC 60947-1 corresponds to degree of severity 3  conducted interference  • due to burst according to IEC 61000-4-4 2 kV  • due to conductor-earth surge according to IEC 61000-4-5 2 kV  • due to conductor-conductor surge according to IEC 61000-4-5 1 kV  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  Display  display version as status display by LED LED green  Connections/ Terminals  product function removable terminal No  type of electrical connection  • for auxiliary and control circuit spring-loaded terminals (push-in)  type of connection technology 3-wire technology	electromagnetic compatibility	acc. to EN 60947-5-1		
conducted interference  • due to burst according to IEC 61000-4-4  • due to conductor-earth surge according to IEC 61000-4-5  • due to conductor-conductor surge according to IEC 61000-4-5  • due to conductor-conductor surge according to IEC 61000-4-5  field-based interference according to IEC 61000-4-3  • leectrostatic discharge according to IEC 61000-4-2  bisplay  display version as status display by LED  LED green  Connections/ Terminals  product function removable terminal  type of electrical connection  • for auxiliary and control circuit  type of connection technology  3-wire technology		ambience A (industrial sector)		
conducted interference  • due to burst according to IEC 61000-4-4  • due to conductor-earth surge according to IEC 61000-4-5  • due to conductor-conductor surge according to IEC 61000-4-5  • due to conductor-conductor surge according to IEC 61000-4-5  field-based interference according to IEC 61000-4-3  • leectrostatic discharge according to IEC 61000-4-2  bisplay  display version as status display by LED  LED green  Connections/ Terminals  product function removable terminal  type of electrical connection  • for auxiliary and control circuit  type of connection technology  3-wire technology	EMC immunity according to IEC 60947-1	corresponds to degree of severity 3		
due to conductor-earth surge according to IEC 61000-4-5     due to conductor-conductor surge according to IEC 61000-4-5     field-based interference according to IEC 61000-4-3     electrostatic discharge according to IEC 61000-4-2     display version as status display by LED  Connections/ Terminals  product function removable terminal     type of electrical connection     for auxiliary and control circuit     spring-loaded terminals (push-in)     type of connection technology     3-wire technology	conducted interference			
due to conductor-conductor surge according to IEC 61000-4-5  field-based interference according to IEC 61000-4-3  electrostatic discharge according to IEC 61000-4-2  Display  display version as status display by LED  Connections/ Terminals  product function removable terminal  type of electrical connection  • for auxiliary and control circuit  type of connection technology  1 kV  1	<ul> <li>due to burst according to IEC 61000-4-4</li> </ul>	2 kV		
field-based interference according to IEC 61000-4-3  electrostatic discharge according to IEC 61000-4-2  fisplay  display version as status display by LED  Connections/ Terminals  product function removable terminal  type of electrical connection  • for auxiliary and control circuit  type of connection technology  10 V/m  6 kV contact discharge / 8 kV air discharge  EED green  LED green  No  spring-loaded terminals (push-in)	• due to conductor-earth surge according to IEC 61000-4-5	2 kV		
electrostatic discharge according to IEC 61000-4-2  Display  display version as status display by LED  LED green  Connections/ Terminals  product function removable terminal  type of electrical connection  • for auxiliary and control circuit  spring-loaded terminals (push-in)  type of connection technology  3-wire technology		1 kV		
display version as status display by LED  Connections/ Terminals  product function removable terminal  type of electrical connection  • for auxiliary and control circuit  type of connection technology  Swire technology  LED green  No  Sepring-loaded terminals (push-in)  3-wire technology	field-based interference according to IEC 61000-4-3	10 V/m		
display version as status display by LED  Connections/ Terminals  product function removable terminal  No  type of electrical connection  • for auxiliary and control circuit  type of connection technology  3-wire technology	electrostatic discharge according to IEC 61000-4-2	6 kV contact discharge / 8 kV air discharge		
Connections/ Terminals       product function removable terminal     No       type of electrical connection <ul> <li>for auxiliary and control circuit</li> <li>spring-loaded terminals (push-in)</li> </ul> type of connection technology     3-wire technology	Display			
product function removable terminal  type of electrical connection	display version as status display by LED	LED green		
type of electrical connection  • for auxiliary and control circuit spring-loaded terminals (push-in)  type of connection technology 3-wire technology	Connections/ Terminals			
• for auxiliary and control circuit spring-loaded terminals (push-in)  type of connection technology 3-wire technology	product function removable terminal	No		
type of connection technology 3-wire technology	type of electrical connection			
	for auxiliary and control circuit	spring-loaded terminals (push-in)		
type of connectable conductor cross-sections	type of connection technology	3-wire technology		
	type of connectable conductor cross-sections			

		4 (0.05	0.52	
• solid		1x (0.25		
finely stranded with core end processing		1x (0.25		
finely stranded without core end processing		1x (0.25		
for AWG cables solid		1 x (20		
for AWG cables stranded		1x (20 1	4)	
connectable conductor cross-section				
• solid		0.25 2.5 mm <sup>2</sup>		
<ul> <li>finely stranded with core end processing</li> </ul>		0.25 1.5 mm²		
finely stranded without core end processing		0.25 2.5 mm <sup>2</sup>		
AWG number as coded connectable conducto section				
• solid		20 14		
• stranded		20 14		
size of the screwdriver tip		PZ1		
stripped length		10 mm		
Installation/ mounting/ dimensions				
mounting position		any		
fastening method		snap-on m	ounting	
height		93 mm		
width		6.2 mm		
depth		84.5 mm		
required spacing				
<ul> <li>with side-by-side mounting</li> </ul>				
— forwards		0 mm		
— backwards		0 mm		
— upwards		0 mm		
— downwards		0 mm		
— at the side		0 mm		
<ul> <li>for grounded parts</li> </ul>				
— forwards		0 mm		
— backwards		0 mm		
— upwards		0 mm		
— at the side		0 mm		
— downwards		0 mm		
<ul> <li>for live parts</li> </ul>				
— 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 operation     during storage		-25 +60 °C		
during storage     during transport		-40 +85 °C		
relative humidity during operation		10 95 %		
Approvals Certificates		10 33 /		
	-4h			
General Product Approval	other	En	vironment	





Confirmation







## Further information

Information on the packaging https://support.industry.siemens.com/cs/ww/en/view/109813875

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RQ4070-2SG30

## Cax online generator

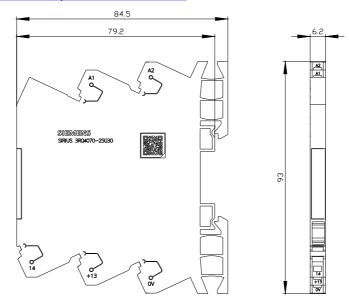
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RQ4070-2SG30

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RQ4070-2SG30

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RQ4070-2SG30&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RQ4070-2SG30&lang=en</a>

**Characteristic: Derating** 

https://support.industry.siemens.com/cs/ww/en/ps/3RQ4070-2SG30/manual



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