# **SIEMENS**

Product data sheet 3RF2150-1AA14



SEMICONDUCTOR RELAY 3RF2, 1-PH. WIDTH 22.5MM, 50 A 48-460 V / 24 V AC/DC SCREW TERMINAL

General technical data:		
product brand name	SIRIUS	
product designation	solid-state relay	
Product function	zero-point switching	
Number of poles / for main current circuit	1	
Protection class IP	IP20	
Manufacturer article number / _1 / of the accessories that can be ordered	3RF2900-3PA88	
Product designation / _2 / of the accessories that can be ordered	power regulator	
Manufacturer article number / _2 / of the accessories that can be ordered	3RF2950-0HA16	
Product designation / _3 / of the accessories that can be ordered	converter	
Manufacturer article number / _3 / of the accessories that can be ordered	3RF2900-0EA18	
Product designation / _4 / of the accessories that can be ordered	load monitoring	
Manufacturer article number / _4 / of the accessories that can be ordered	3RF2950-0GA16	
Product designation / _5 / of the accessories that can be ordered	load monitoring, basis	

Manufacturer article number / _5 / of the accessories that can be ordered		3RF2920-0FA08
Ambient temperature		
during operating	°C	-25 +60
during storage	°C	-55 +80
Installation altitude / at a height over sea level / maximum	m	1,000
Resistance against vibration / according to IEC 60068-2-6		2g
Resistance against shock / according to IEC 60068-2-27		15g / 11 ms
Item designation		
<ul> <li>according to DIN 40719 extendable after IEC 204-2 / according to IEC 750</li> </ul>		К
according to DIN EN 61346-2		Q
Number of NC contacts / for auxiliary contacts		0
Number of NO contacts / for auxiliary contacts		0
Number of change-over switches / for auxiliary contacts		0
Main circuit:		
Number of NO contacts / for main contacts		1
Number of NC contacts / for main contacts		0
Operating current		
• at AC-1 / at 400 V / rated value	Α	50
• at AC-51 / rated value	Α	50
Operating current / minimum	mA	500
Operating voltage		
• at 50 Hz / at AC / rated value	V	48 460
• at 60 Hz / at AC / rated value	V	48 460
Working area related to the operating voltage		
• at 50 Hz / for AC	V	40 506
• at 60 Hz / for AC	V	40 506
Operating frequency		
• rated value	Hz	50 60
Relative symmetrical tolerance / of the operation frequency	%	10
Insulation voltage / rated value	V	600
Voltage slew rate / at the thyristor / for main contacts / maximum permissible	V/µs	1,000
Block voltage / at the thyristor / for main contacts / maximum	V	1,200

permissible

Reverse current / of the thyristor

Active power loss / total / typical

Apparent loss power / maximum

**Derating temperature** 

mΑ

°С

W

V-A

10

40

66

66

Resistance against the impulse current / rated value	Α	600
I2t-level / maximum	A²-s	1,800

Control circuit:		
Control supply voltage frequency		
• 1 / rated value	Hz	50
• 2 / rated value	Hz	60
Type of voltage / of the controlled supply voltage		AC/DC
Control supply voltage / 1		
• for DC		
• initial rated value	V	15
• final rated value	V	24
• at 50 Hz / for AC		
• initial rated value	V	14
• final rated value	V	26.5
• at 60 Hz / for AC		
• initial rated value	V	14
• final rated value	V	26.5
Control supply voltage		
• for DC / final value for signal<0>-recognition	V	5
• at 50 Hz / for AC / final value for signal<0>-recognition	V	5
• at 60 Hz / for AC / final value for signal<0>-recognition	V	5
Tolerance of the line frequency	Hz	5
Relative symmetrical tolerance / of the supply voltage frequency	%	10
Control current		
• at minimum control supply voltage / for AC	mA	2
• for AC / rated value	mA	20
• at minimum control supply voltage / for DC	mA	2
• for DC / rated value	mA	20
Fuse assignments		https://www.automation.siemens.com/cd-static/material/info/3RF21_eng.pdf

Installation/mounting/dimensions:			
Type of mounting		screw fixing	
Type of fixing/fixation / series installation		Yes	
Design of the thread / of the screw for fastening of the operating resource		M4	
Tightening torque / of the screw for fastening of the operating resource	N∙m	1.5	
Width	mm	22.5	
Height	mm	85	

Design of the electrical connection / for main current circuit  Design of the thread / of the connection screw / for main contacts  - with screw-type terminals  Tightening torque / for main contacts  - with screw-type terminals  Tightening torque (lot-in) / for main contacts  - with screw-type terminals  Type of the connectable conductor cross-section  - for main contacts  - soild  - innely stranded  - with conductor end processing  - for main contacts  - soild  - for auxiliary and control contacts  - soild  - innely stranded  - with conductor end processing  - with conductor final cutting  - with conductor end processing  - with conductor final cutting  AWG number / as coded connectable conductor cross-section / for auxiliary and control contacts  - soild  - stranded wire  - with conductor final cutting  - with conductor end processing / with conductor conductor final cutting  - with conductor final cutting  - with conductor end processing / with conductor final cutting  - with conductor end proc	Depth	mm	48
Design of the thread / of the connection screw / for main contacts  * with screw-type terminals  Tightening torque (lbf-in) / for main contacts  • with screw-type terminals  Type of the connectable conductor cross-section  • for main contacts  • solid  • solid  • with conductor end processing  • for AWG conductors  • or auxiliary and control contacts  • with conductor end processing  • solid  • finely stranded  • with conductor end processing  • with conductor end processing  • with conductor end processing  • with conductor final cutting  Conductor cross section that can be connected  • for main contacts  • solid  • stranded wire  • with conductor end processing  • solid  • stranded wire  • with conductor end processing  • solid  • stranded wire  • with conductor end processing  • solid  • stranded wire  • with conductor end processing  • solid  • stranded wire  • with conductor end processing  • solid  • stranded wire  • with conductor end processing  • solid  • stranded wire  • with conductor end processing  • solid  • stranded wire  • with conductor end processing  • solid  • stranded wire  • with conductor end processing  • solid  •	Connections:		
Contacts         Implication to or up of for main contacts         Num         2 2.5           Tightening torque (Ibr-in) / for main contacts         Num         2 2.5           Tightening torque (Ibr-in) / for main contacts         Ibr-in         7 10.3           Type of the connectable conductor cross-section         Ibr-in         7 10.3           Type of the connectable conductor cross-section         2 x (1.5 2.5 mm²), 2x (2.5 6 mm²)           I for main contacts         2 x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²           I for auxiliary and control contacts         2 x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²           I for auxiliary and control contacts         1 x (AWG 20 12)           I for auxiliary and control contacts         1 x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)           I solid         1 x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)           I for auxiliary and control contacts         1 x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)           I for auxiliary and control contacts         1 x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)           I for auxiliary and control contacts         1 x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)           I for auxiliary and control contacts         1 x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)           I for auxiliary and control contacts         1 x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)           I for auxiliary and control contacts         1 x (0.	Design of the electrical connection / for main current circuit		screw-type terminals
*with screw-type terminals  *with screw-type terminals  Type of the connectable conductor cross-section  *for main contacts  *solid  *inely stranded  *with conductor end processing  *for AWG conductors  *for auxiliary and control contacts  *solid  *inely stranded  *with conductor end processing  *for auxiliary and control contacts  *solid  *inely stranded  *with conductor end processing  *for auxiliary and control contacts  *solid  *for auxiliary and control contacts  *solid  *inely stranded  *with conductor final cutting  *Conductor cross section that can be connected  *for main contacts  *solid  *stranded wire  *with conductor end processing  *with conductor end processing  *with conductor end processing  *solid  *stranded wire  *with conductor end processing  *with conductor final cutting   AWG number / as coded connectable conductor cross-section for main contacts  Design of the electrical connection / for auxiliary and control current circuit  Design of the thread / of the connection screw / of the auxiliary and control pins   AWG number / as coded connectable conductor cross-section / for main contacts  *WG number / as coded connectable conductor cross-section / for main contacts  *WG number / as coded connectable conductor cross-section / for main contacts  *WG number / as coded connectable conductor cross-section / for main contacts  *WG number / as coded connectable conductor cross-section / for number / as coded connectable conductor cross-section / for number / as coded connectable conductor cross-section / for number / as coded connectable conductor cross-section / for number / as coded conn	_		M4
Tightening torque (lbf-in) / for main contacts  * with screw-type terminals  Type of the connectable conductor cross-section  * for main contacts  * solid  * finally stranded  * with conductor end processing  * for AWG conductors  * for auxiliary and control contacts  * solid  * finally stranded  * with conductor end processing  * for auxiliary and control contacts  * solid  * finally stranded  * with conductor end processing  * for auxiliary and control contacts  * solid  * finally stranded  * with conductor end processing  * without conductor final cutting   Conductor cross section that can be connected  * for main contacts  * solid  * stranded wire  * with conductor end processing /  * with conductor end processing /  * with conductor final cutting  Conductor cross section that can be connected  * solid  * stranded wire  * with conductor end processing /  * with conductor end processing /  * with conductor final cutting  Conductor cross section that contacts  * solid  * stranded wire  * with conductor end processing /  * with conductor final cutting  Conductor cross section that contacts  * solid  * stranded wire  * with conductor final cutting  Conductor cross section that contacts  * solid  * stranded wire  * with conductor end processing /  * with conductor final cutting  Conductor cross section that contacts  * solid  * stranded wire  * with conductor final cutting	Tightening torque / for main contacts		
• with screw-type terminals    Ibf-in   7 10.3	with screw-type terminals	N⋅m	2 2.5
Type of the connectable conductor cross-section  • for main contacts  • solid  • finely stranded  • with conductor end processing  • for AWG conductors  • for main contacts  • for auxiliary and control contacts  • solid  • with conductor end processing  • for auxiliary and control contacts  • solid  • finely stranded  • with conductor end processing  • with conductor end processing  • with conductor end processing  • with conductor final cutting  Conductor cross section that can be connected  • for main contacts  • solid  • stranded wire  • with conductor end processing  • solid  • stranded wire  • with conductor end processing  • solid  • stranded wire  • with conductor end processing  • with conductor final cutting  AWG number / as coded connectable conductor cross-section / for main contacts  Design of the electrical connection / for auxiliary and control current circuit  Design of the thread / of the connection screw / of the auxiliary and control pins  AWG number / as coded connectable conductor cross-section	Tightening torque (lbf-in) / for main contacts		
• for main contacts     • solid     • finely stranded     • with conductor end processing     • for AWG conductors     • for main contacts     • for auxiliary and control contacts     • solid     • with conductor end processing     • for auxiliary and control contacts     • solid     • finely stranded     • with conductor end processing     • with conductor final cutting  Conductor cross section that can be connected     • for main contacts     • solid     • stranded wire     • with conductor end processing     • stranded wire     • with conductor end processing     • solid     • stranded wire     • with conductor end processing     • with conductor end processing     • with conductor end processing     • solid     • stranded wire     • with conductor end processing     • with conductor final cutting  AWG number / as coded connectable conductor cross-section / for main contacts  Design of the electrical connection / for auxiliary and control current circuit  Design of the thread / of the connection screw / of the auxiliary and control pins  AWG number / as coded connectable conductor cross-section	with screw-type terminals	lbf∙in	7 10.3
Solid  Interview of the thread of the tonductor end processing  Interview of the thread of the connectable conductor cross-section of the thread of the thread of the connectable conductor cross-section  Interview of the thread of the connectable conductor cross-section  Interview of the thread of the connectable conductor cross-section  Interview of the thread of the connectable conductor cross-section  Interview of the thread of the connectable conductor cross-section  Interview of the thread of the connectable conductor cross-section  Interview of the thread of the connectable conductor cross-section  Interview of the thread of the connectable conductor cross-section  Interview of the thread of the connectable conductor cross-section  Interview of the thread of the connectable conductor cross-section  Interview of the thread of the connectable conductor cross-section  Interview of the thread of the connectable conductor cross-section  Interview of the thread of the connectable conductor cross-section  Interview of the connectable conductor cross-	Type of the connectable conductor cross-section		
• finely stranded • with conductor end processing • for AWG conductors • for main contacts • for auxiliary and control contacts • solid • finely stranded • with conductor end processing • without conductor final cutting   Conductor cross section that can be connected • for main contacts • solid • stranded wire • with conductor end processing • solid • stranded wire • with conductor end processing • solid • stranded wire • with conductor end processing • for auxiliary and control contacts • solid • stranded wire • with conductor end processing • for auxiliary and control contacts • solid • stranded wire • with conductor end processing / • with conductor end processing / • with conductor end processing / • with conductor final cutting  AWG number / as coded connectable conductor cross-section / for main contacts  Design of the electrical connection / for auxiliary and control current circuit  Design of the thread / of the connectable conductor cross-section  AWG number / as coded connectable conductor cross-section	• for main contacts		
with conductor end processing     for AWG conductors     for main contacts     for auxiliary and control contacts     for auxiliary and control contacts     for auxiliary and control contacts     solid     finely stranded     with conductor end processing     without conductor final cutting  Conductor cross section that can be connected     for main contacts     solid     stranded wire     with conductor end processing     solid     stranded wire     with conductor end processing     solid     stranded wire     with conductor end processing     for auxiliary and control contacts     solid     stranded wire     with conductor end processing     for auxiliary and control contacts     solid     stranded wire     with conductor end processing /     with conductor end processing /     with conductor final cutting  AWG number / as coded connectable conductor cross-section / for main contacts  Design of the electrical connection / for auxiliary and control current circuit  Design of the thread / of the connectable conductor cross-section  AWG number / as coded connectable conductor cross-section	• solid		2x (1.5 2.5 mm²), 2x (2.5 6 mm²)
• for AWG conductors     • for main contacts     • for auxiliary and control contacts     • for auxiliary and control contacts     • solid     • finely stranded     • with conductor end processing     • without conductor final cutting  Conductor cross section that can be connected     • for main contacts     • solid     • stranded wire     • with conductor end processing     • with conductor end processing     • solid     • stranded wire     • with conductor end processing     • stranded wire     • with conductor end processing     • solid     • stranded wire     • with conductor end processing     • with conductor end processing     • with conductor end processing     • with conductor end processing /     • with conductor final cutting  AWG number / as coded connectable conductor cross-section / for main contacts  Design of the electrical connection / for auxiliary and control pins  AWG number / as coded connectable conductor cross-section  AWG number / as coded connectable conductor cross-section  Design of the thread / of the connection screw / of the auxiliary and control pins  AWG number / as coded connectable conductor cross-section	• finely stranded		
• for main contacts     • for auxiliary and control contacts     • for auxiliary and control contacts     • solid     • finely stranded     • with conductor end processing     • without conductor final cutting  Conductor cross section that can be connected     • for main contacts     • solid     • stranded wire     • with conductor end processing     • with conductor end processing     • with conductor end processing     • to rauxiliary and control contacts     • solid     • stranded wire     • with conductor end processing     • solid     • stranded wire     • with conductor end processing     • with conductor end processing     • with conductor end processing     • solid     • stranded wire     • with conductor end processing /     • with conductor end processing /     • with conductor end processing /     • with conductor final cutting  AWG number / as coded connectable conductor cross-section / for main contacts  Design of the electrical connection / for auxiliary and control current circuit  Design of the thread / of the connectable conductor cross-section  AWG number / as coded connectable conductor cross-section  AWG number / as coded connectable conductor cross-section	<ul> <li>with conductor end processing</li> </ul>		2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²
• for auxiliary and control contacts     • for auxiliary and control contacts     • solid     • finely stranded     • with conductor end processing     • without conductor final cutting  Conductor cross section that can be connected     • for main contacts     • solid     • stranded wire     • with conductor end processing     • with conductor end processing     • with conductor end processing     • solid     • stranded wire     • with conductor end processing     • solid     • stranded wire     • with conductor end processing     • solid     • stranded wire     • with conductor end processing     • solid     • stranded wire     • with conductor end processing     • solid     • stranded wire     • with conductor final cutting     • with conductor final cutting  AWG number / as coded connectable conductor cross-section / for main contacts  Design of the electrical connection / for auxiliary and control current circuit  Design of the thread / of the connection screw / of the auxiliary and control pins  AWG number / as coded connectable conductor cross-section  AWG number / as coded connectable conductor cross-section  AWG number / as coded connectable conductor cross-section	• for AWG conductors		
* for auxiliary and control contacts     * solid     * finely stranded     * with conductor end processing     * without conductor final cutting     * for main contacts     * solid     * stranded wire     * with conductor end processing     * solid     * stranded wire     * with conductor end processing     * solid     * stranded wire     * with conductor end processing /     * with conductor final cutting  AWG number / as coded connectable conductor cross-section /     for main contacts  AWG number / as coded connectable conductor cross-section  **A solid**  **Ix (0.5 2.5 mm²), 2x (0.5 1.0 mm²)  **Ix	• for main contacts		2x (14 10)
* solid     * finely stranded     * with conductor end processing     * without conductor final cutting  Conductor cross section that can be connected  * for main contacts  * solid     * stranded wire  * with conductor end processing  * with conductor end processing  * with conductor end processing  * solid  * stranded wire  * with conductor end processing  * mm²  1 10  * for auxiliary and control contacts  * solid  * stranded wire  * with conductor end processing /  * with conductor end processing /  * with conductor final cutting  AWG number / as coded connectable conductor cross-section / current circuit  Design of the electrical connection / for auxiliary and control pins  AWG number / as coded connectable conductor cross-section  AWG number / as coded connectable conductor cross-section  * M3  * M3  * M3  * WG number / as coded connectable conductor cross-section  * M8  * M8  * M8  * AWG number / as coded connectable conductor cross-section  * M8  * M8  * Stranded connectable conductor cross-section  * M8  * M	for auxiliary and control contacts		1x (AWG 20 12)
• finely stranded     • with conductor end processing     • without conductor final cutting  Conductor cross section that can be connected     • for main contacts     • solid     • stranded wire     • with conductor end processing     • for auxiliary and control contacts     • solid     • stranded wire     • with conductor end processing     • for auxiliary and control contacts     • solid     • stranded wire     • with conductor end processing /     • with conductor end processing /     • with conductor final cutting  AWG number / as coded connectable conductor cross-section /     for main contacts  AWG number / as coded connectable conductor cross-section	for auxiliary and control contacts		
with conductor end processing     without conductor final cutting  Conductor cross section that can be connected      for main contacts     solid     stranded wire     with conductor end processing     for auxiliary and control contacts     solid     stranded wire     with conductor end processing     mm²     for auxiliary and control contacts     substanded wire     with conductor end processing /	• solid		1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)
without conductor final cutting  Conductor cross section that can be connected      for main contacts         solid         stranded wire         with conductor end processing         solid         stranded wire         with conductor end processing         mm² 110          for auxiliary and control contacts         solid         stranded wire         with conductor end processing / mm² 0.51.5          stranded wire         with conductor end processing / mm² 0.52.5          without conductor final cutting  AWG number / as coded connectable conductor cross-section / for main contacts  Design of the electrical connection / for auxiliary and control current circuit  Design of the thread / of the connection screw / of the auxiliary and control pins  AWG number / as coded connectable conductor cross-section  Was a coded connectable conductor cross-section  M3  AWG number / as coded connectable conductor cross-section	• finely stranded		
Conductor cross section that can be connected  • for main contacts  • solid  • stranded wire  • with conductor end processing  • for auxiliary and control contacts  • solid  • stranded wire  • with conductor end processing / mm² 0.5 1.5  • stranded wire  • with conductor end processing / mm² 0.5 2.5  • without conductor final cutting mm² 0.5 2.5  AWG number / as coded connectable conductor cross-section / for main contacts  Design of the electrical connection / for auxiliary and control current circuit  Design of the thread / of the connection screw / of the auxiliary and control pins  AWG number / as coded connectable conductor cross-section	with conductor end processing		1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)
• for main contacts     • solid     • stranded wire     • with conductor end processing     • for auxiliary and control contacts     • solid     • stranded wire     • with conductor end processing / mm² 0.5 1.5      • stranded wire     • with conductor end processing / mm² 0.5 2.5      • without conductor final cutting mm² 0.5 2.5  AWG number / as coded connectable conductor cross-section / for main contacts  Design of the electrical connection / for auxiliary and control current circuit  AWG number / as coded connectable conductor cross-section  M3  AWG number / as coded connectable conductor cross-section	without conductor final cutting		1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)
solid     stranded wire     with conductor end processing     mm² 1 10      for auxiliary and control contacts     solid     stranded wire     with conductor end processing /     with conductor end processing /     with conductor end processing /     without conductor final cutting  AWG number / as coded connectable conductor cross-section / for main contacts  Design of the electrical connection / for auxiliary and control current circuit  Design of the thread / of the connection screw / of the auxiliary and control pins  AWG number / as coded connectable conductor cross-section  M3  AWG number / as coded connectable conductor cross-section	Conductor cross section that can be connected		
* stranded wire     * with conductor end processing     * for auxiliary and control contacts     * solid     * stranded wire     * with conductor end processing /     * with conductor end processing /     * without conductor final cutting  AWG number / as coded connectable conductor cross-section /     for main contacts  Design of the electrical connection / for auxiliary and control current circuit  Design of the thread / of the connection screw / of the auxiliary and control pins  AWG number / as coded connectable conductor cross-section  M3  AWG number / as coded connectable conductor cross-section	• for main contacts		
with conductor end processing     for auxiliary and control contacts     solid     stranded wire     with conductor end processing /     without conductor final cutting  AWG number / as coded connectable conductor cross-section / for main contacts  Design of the electrical connection / for auxiliary and control current circuit  Design of the thread / of the connection screw / of the auxiliary and control pins  AWG number / as coded connectable conductor cross-section  AWG number / as coded connectable conductor cross-section  M3  AWG number / as coded connectable conductor cross-section	• solid	mm²	1.5 6
• for auxiliary and control contacts     • solid     • stranded wire     • with conductor end processing /     • without conductor final cutting     MWG number / as coded connectable conductor cross-section / for main contacts  Design of the electrical connection / for auxiliary and control current circuit  Design of the thread / of the connection screw / of the auxiliary and control pins  AWG number / as coded connectable conductor cross-section  M3  AWG number / as coded connectable conductor cross-section	• stranded wire		
* solid     * stranded wire     * with conductor end processing /     * without conductor final cutting  AWG number / as coded connectable conductor cross-section / for main contacts  Design of the electrical connection / for auxiliary and control current circuit  Design of the thread / of the connection screw / of the auxiliary and control pins  AWG number / as coded connectable conductor cross-section  M3  AWG number / as coded connectable conductor cross-section	with conductor end processing	mm²	1 10
* stranded wire     * with conductor end processing /     * without conductor final cutting  AWG number / as coded connectable conductor cross-section / for main contacts  Design of the electrical connection / for auxiliary and control current circuit  Design of the thread / of the connection screw / of the auxiliary and control pins  AWG number / as coded connectable conductor cross-section  ### 30.5 2.5  ### 18 10  Screw-type terminals  ### M3  ### M3  ### AWG number / as coded connectable conductor cross-section	for auxiliary and control contacts		
with conductor end processing /     without conductor final cutting  AWG number / as coded connectable conductor cross-section / for main contacts  Design of the electrical connection / for auxiliary and control current circuit  Design of the thread / of the connection screw / of the auxiliary and control pins  AWG number / as coded connectable conductor cross-section  mm² 0.5 2.5  18 10  screw-type terminals  M3  M3  AWG number / as coded connectable conductor cross-section	• solid	mm²	0.5 1.5
without conductor final cutting     mm² 0.5 2.5  AWG number / as coded connectable conductor cross-section / for main contacts  Design of the electrical connection / for auxiliary and control current circuit  Design of the thread / of the connection screw / of the auxiliary and control pins  AWG number / as coded connectable conductor cross-section	• stranded wire		
AWG number / as coded connectable conductor cross-section / for main contacts  Design of the electrical connection / for auxiliary and control current circuit  Design of the thread / of the connection screw / of the auxiliary and control pins  AWG number / as coded connectable conductor cross-section	with conductor end processing /	mm²	0.5 2.5
Design of the electrical connection / for auxiliary and control current circuit  Design of the thread / of the connection screw / of the auxiliary and control pins  AWG number / as coded connectable conductor cross-section	without conductor final cutting	mm²	0.5 2.5
Design of the thread / of the connection screw / of the auxiliary and control pins  AWG number / as coded connectable conductor cross-section			18 10
and control pins  AWG number / as coded connectable conductor cross-section	-		screw-type terminals
	-		M3
• for auxiliary and control contacts 20 12	AWG number / as coded connectable conductor cross-section		
	for auxiliary and control contacts		20 12

Skinning length / of the cable / for main contacts	mm	7
Skinning length / of the cable / for auxiliary and control contacts	mm	7
Tightening torque / for auxiliary and control contacts		
with screw-type terminals	N⋅m	0.5 0.6
Tightening torque (lbf-in) / for auxiliary and control contacts		
with screw-type terminals	lbf∙in	4.5 5.3

## Certificates/approvals:

**General Product Approval** 

**EMC** 

**Declaration of Conformity** 











#### **Test Certificates**

Special Test Certificate Type Test
Certificates/Test
Report

## **Further information:**

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

http://www.siemens.com/industrial-controls/catalogs

### Industry Mall (Online ordering system)

http://www.siemens.com/industrial-controls/mall

#### **CAx-Online-Generator**

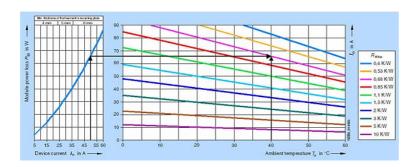
http://www.siemens.com/cax

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

http://support.automation.siemens.com/WW/view/en/3RF2150-1AA14/all

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

http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3RF2150-1AA14



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