SIEMENS

Product data sheet 3RF2900-0EA18



CONVERTER CONTROL VOLTAGE 24 V UC FOR SEMI-COND. RELAY/CONT. 3RF2

General technical data:			
product brand name		SIRIUS	
product designation		converter	
Product function		solid-state relay / solid-state contactor 3RF2	
Number of poles / for main current circuit		0	
Protection class IP		IP20	
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			
 according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 		U	
according to DIN EN 61346-2		Т	
Main circuit:			
Number of NO contacts / for main contacts		0	
Number of NC contacts / for main contacts		0	

Derating temperature

°C

40

Operating frequency		
rated value	Hz	50 60
Relative symmetrical tolerance / of the operation frequency	%	10
Control circuit		

Control circuit:			
type of voltage		AC/DC	
Control supply voltage			
• for DC / rated value	V	24 24	
at 50 Hz / at AC / rated value	V	24 24	
at 60 Hz / at AC / rated value	V	24 24	
• at 50 Hz / for AC / final value for signal<0>-recognition	V	10	
• at 60 Hz / for AC / final value for signal<0>-recognition	V	10	
for DC / final value for signal<0>-recognition	V	10	
Supply voltage frequency / for auxiliary and control current circuit			
rated value	Hz	50 60	
Tolerance of the line frequency	Hz	5	
Relative symmetrical tolerance / of the supply voltage frequency	%	10	
Control current / for AC / rated value	mA	25	
Control current / for DC / rated value	mA	25	
Operating voltage			
at the analog input	V	-2 +10	
Source resistance / at the analog input	Ω	100,000	

Auxiliary circuit:		
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

Installation/mounting/dimensions:			
Type of mounting		clip-on	
Type of fixing/fixation / series installation		Yes	
Width	mm	22.5	
Height	mm	83.5	
Depth	mm	38	

Connections:			
Design of the electrical connection			
for auxiliary and control current circuit		screw-type terminals	
Design of the thread / of the connection screw / of the auxiliary and control pins		M3	
Type of the connectable conductor cross-section			
for auxiliary and control contacts			

• solid	1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)			
finely stranded				
 with conductor end processing 		1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)		
 without conductor final cutting 		1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)		
for AWG conductors / for auxiliary and control contacts		1x (AWG 20 12)		
Conductor cross-section that can be connected / for auxiliary and control contacts				
• solid	mm²	0.5 2.5		
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 auxiliary and control contacts		12 20		
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
S	P F	UL	C-TICK	EG-Konf.	Type Test Certificates/Test Report

other

Environmental Confirmations

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

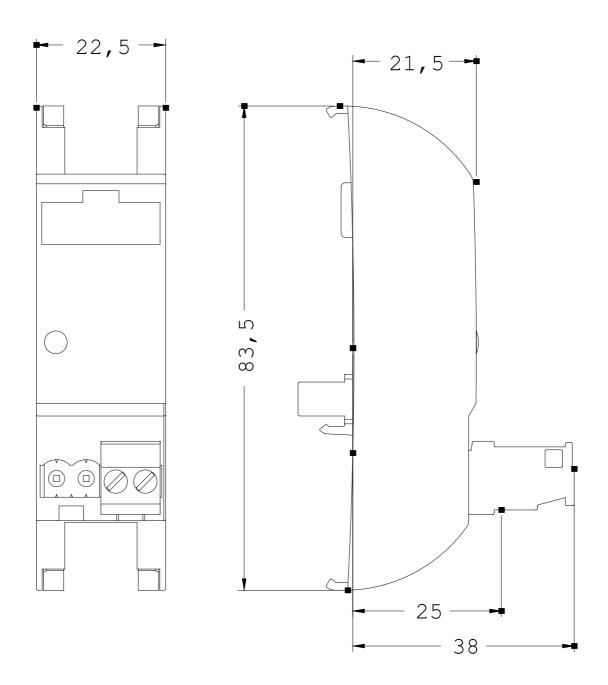
http://www.siemens.com/cax

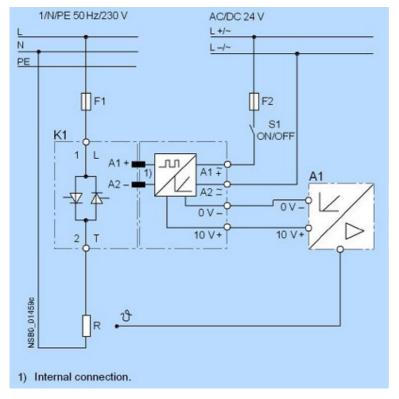
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

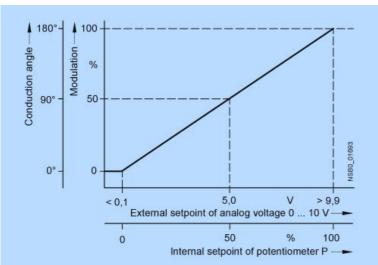
http://support.automation.siemens.com/WW/view/en/3RF2900-0EA18/all

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RF2900-0EA18







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