Overview

Converters for 3RF2 solid-state switching devices

These modules are used to convert analog control signals, such as those output from many temperature controllers for example, into a pulse-width-modulated digital signal. The connected solid-state contactors and relays can therefore regulate the output of a load as a percentage.

Application

This function module is used for conversions from an analog input signal to an on/off ratio with time basis 1 s. The module can only be used in conjunction with 3RF21 and 3RF23 single-phase solid-state switching devices or 3RF22 and 3RF24 three-phase devices. It can be used on versions with 24 V DC and 24 V AC/DC control supply voltage.

Note:

The use of single-pole solid-state switching devices with converters, power controllers or power regulators on AC loads in full-wave control mode is not recommended. As mutual synchronization of the function modules is not possible, fluctuations in the heating power are possible; there is no optimum settling in particular with setpoint values < 50 %.

Selection and ordering data

	Rated operational current I_e	Rated operational voltage U_e	DT	**Screw terminals**	PU (UNIT, SET, M)	PS*	PG
				Configurator			
	A	V		Article No. Price per PU			
Converters							
	Rated control supply voltage 24 V AC/DC						
	--	--	A	**3RF2900-0EA18**	1	1 unit	41C

3RF2900-0EA18

Online configurator, see www.siemens.com/sirius/configurators.