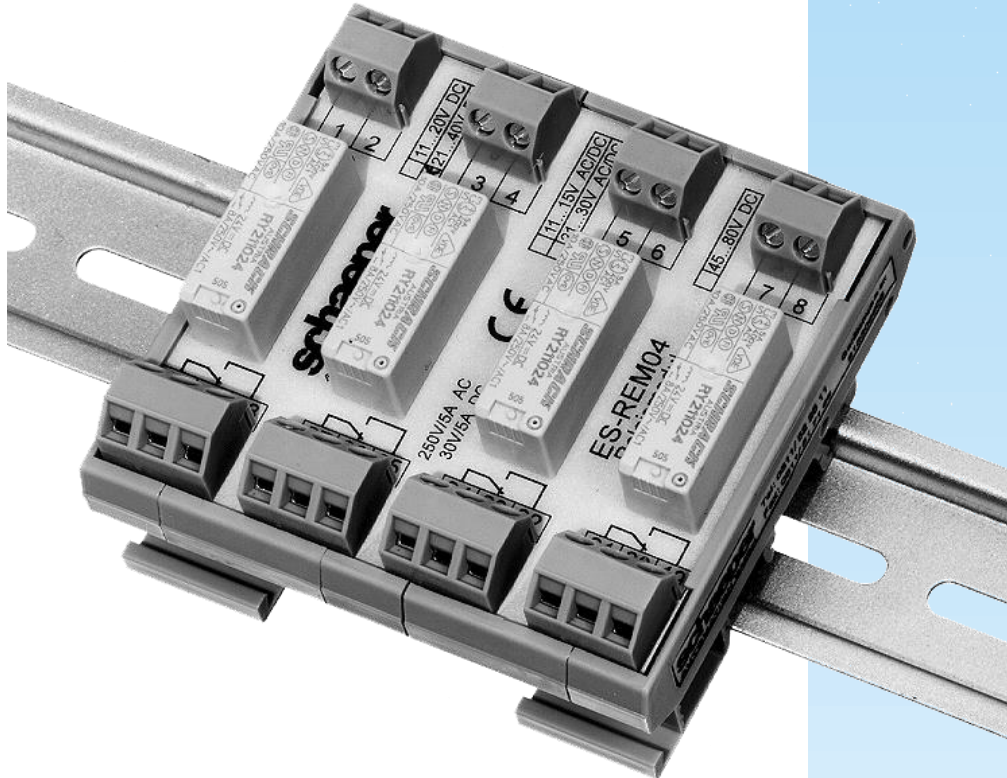


ES-REM04

Relay Module



Features

The ES-REM04 is a 4 channel relay module in a flat housing which can be snapped onto a mounting rail.

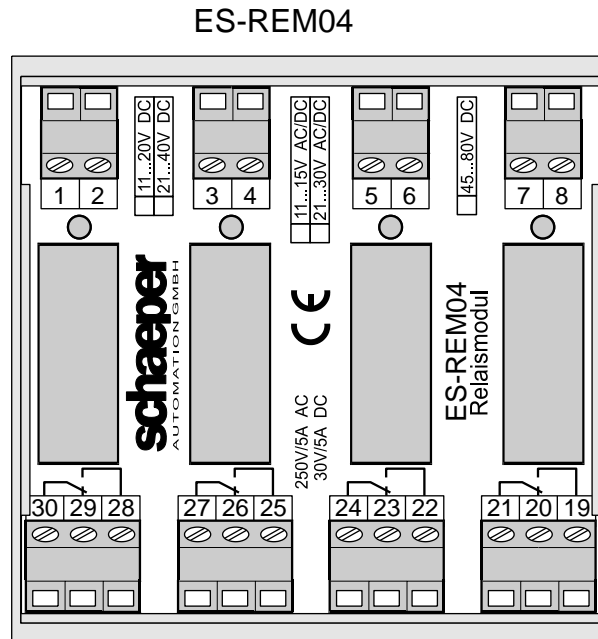
It can be driven with any polarity, DC or AC according to type, and provides a change-over contact for every output. A green LED shows that a relay is being driven.

There is an electrical isolation between the individual inputs, the individual outputs and between the inputs and outputs.

Unit versions

Function	Type
Input voltage 11...20V DC	ES-REM04 /12DC
21...40V DC	/24DC
45...80V DC	/60DC
11...15V AC/DC	/12AC
21...30V AC/DC	/24AC

Frontal view (approx. original size)



Technical Data

Input voltage:	11...20V DC/25mA	for version ES-REM04	/12DC (ripple < 5%)
	21...40V DC/15mA		/24DC (ripple < 5%)
	45...80V DC/11mA		/60DC (ripple < 5%)
	11...15V AC/DC/30mA		/12AC
	21...30V AC/DC/20mA		/24AC
Outputs:	Relays 1 changer,	AC: 250V/5A	
		DC: 220V/0.3A 70V/0.5A 30V/5A	
	electrical life-span under resistive load:		
	2 x 10 ⁵ switching cycles		
Isolation voltage:	3.75 kV AC (between input and output as well as		
	between the various outputs)		
	1 kV AC (between the various inputs)		
EMC-Directive:	<i>Emission:</i>	According to EN 50081-1, 1993	
		(Residential, commercial) and EN 55022	
CE	<i>Immunity:</i>	According to EN 50082-2, 1995	
		(Industrial environment) and EN 61000-4-2, -3, -4, -6	
Low Voltage Directive:	<i>Safety:</i>	According to DIN VDE 0106, Teil1, 1982	
		and VBG 4, 1979	
		Operating conditions: Level of pollution 1 or 2	
	according to DIN VDE 0110, Teil 1, 1989		
Ambient temperature:	0 ...+50 °C, no condensation	(operation)	
	-20 ...+85 °C	(storage)	
Housing:	L = 79 mm, W = 77 mm, H = 37 mm		
	with snap-on fastening for DIN EN mounting rails and		
Connection terminals:	Screw terminals 1 x 1.5 mm ² one- and fine wired		
Behaviour in fire:	Housing and terminals: according to UL94: V-2		
	barely inflammable and self-extinguishing according to VDE		
Weight:	approx. 100g		