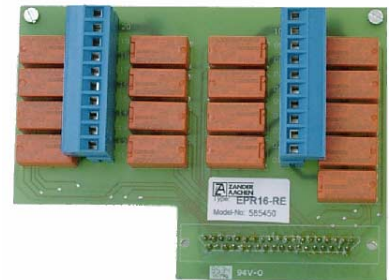


Relay-Output Card EPR16-RE

The output card **EPR16-RE** possesses 16 digital relay outputs for the devices EPR16, EPC16 and EPR16S. The Watch Dog output is available as relay contact too. All relay contacts are protection-wired with 250V-varistors.

There are two contact blocks with a common connection in each for output 1..8 with Watch Dog as well as for output 9..16. Both blocks are electrically isolated and can be operated therefore with different voltages.



Power Transistor Output Card EPR16-OK

The output card **EPR16-OK** possesses 16 electronic outputs for the devices EPR16, EPC16 and EPR16S. The Watch Dog output is available as 0.5A-transistor output. All outputs are electrically isolated, durable short-circuit proof and temperature rise-protected. There are one or two contact blocks with a common connection in each for output 1..8 with Watch Dog as well as for output 9..16.

Everyone of the short circuit proof transistor switching outputs switches a maximum permanent current of 0.5A. In the short-circuit or case of temperature rise the output is switched off. Restarting is effected automatically after falling below that overload. At the ports +U and 0V an external DC voltage 10-30V is necessary. The load is connected between output (A1..A16) and 0V.



Assembly

The card is mounted simply on the OUTPUT plug-connection of the EPR16/EPC16/EPR16S and fixed with the enclosed screws. The voltage supply of the relays is available from the EPR / EPC. Attached inductances such as single solenoid valves, small contactor etc. must be protection-wired (RC element or varistor).

Specifications

Outputs: 16 N/O contacts
 Watch Dog output: 1 N/O contact
 Temperature range: 0° to +60°C

EPR16-RE:

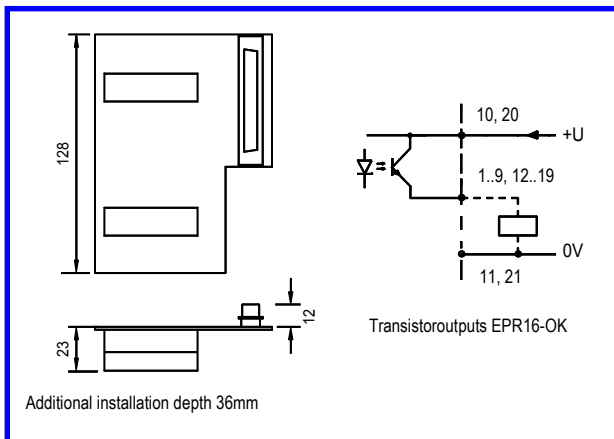
2 contact blocks each with a common connection
 Contact rating: 3A, AC 250V; 3A, DC 24V
 max. sum current for each block: 8A
 Insulation voltage coil/contact: 2.5kV

EPR16-OK:

16 transistor outputs
 Watch Dog output: 1 transistor output
 2 contact blocks each with a common connection
 Contact rating: 0.5A; DC 10-30V; smoothed,
 Residual ripple < 5%
 durable short-circuit proof
 Temperature rise disconnection

Terminal	EPR16-RE	EPR16-OK
01	Watch-Dog	Watch-Dog
02	Output 1	Output 1
03	Output 2	Output 2
04	Output 3	Output 3
05	Output 4	Output 4
06	Output 5	Output 5
07	Output 6	Output 6
08	Output 7	Output 7
09	Output 8	Output 8
10	Comm. Conn. 1..8	+U (Input)
11	Output 9	0V (to +U)
12	Output 10	Output 9
13	Output 11	Output 10
14	Output 12	Output 11
15	Output 13	Output 12
16	Output 14	Output 13
17	Output 15	Output 14
18	Output 16	Output 15
19	Comm. Conn. 9..16	Output 16
20	Comm. Conn. 9..16	+U (Input)
21		0V (to +U)

The signals +U and 0V of both connecting terminals are internally connected.



Order-No	Type
585450	EPR16-RE for EPR16(S), EPC16
585455	EPR16-OK for EPR16(S)

