

Výhradní zastoupení pro ČR a SR:

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Rail Comp



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RI

INSTANTANEOUS AUXILIARY RELAYS AND MASTER TRIP RELAYS



APPLICATIONS

- > Auxiliary relays and master trip relays with sixteen changeover contacts.

MAIN FEATURES

- > Large variety of assemblies with front and rear connection sockets by screw or fast-on clip and flush mounting option socket.
- > The design and quality of these relays guarantee their application in high responsibility controls such as power stations, substations, railway, industries of continuous processes (petrochemical, rolling mills, cement and chemical industries), etc.
- > According to the most demanding test standards: IEC, EN and bearing the CE mark.
- > The great power of the output contacts makes possible direct action on HV and MV switchgear, because their making/breaking capacities, continuous through-current and overvoltage capacity guarantee perfect insulation.
- > Absolutely reliable for use in salty, tropical atmospheres, and in general in those atmospheres which need protection with transparent cover.

TECHNICAL SPECIFICATIONS

Electrical Characteristics

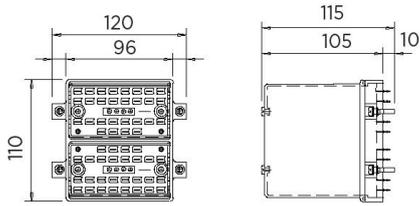
	RI-16 Standard	RI-16DI Diode in parallel with the coil (only Vdc)	RI-16R	RI-16R HB
Standard voltages (U _N)	24, 48, 72, 110, 125, 220 Vdc/Vac; 50/60 Hz (Other voltages upon request)		110, 125 220 Vdc	
Voltage range and consumptions	+10% -20% U _N			
	10 W 12 VA		12 W	
Pick-up time	< 25 ms		< 10 ms	
Drop-out time	< 20 ms/Vdc		< 50 ms	
	< 45 ms/DI Vdc			
Contacts	Permanent current		10 A	
	Instantaneous current		80 A/200 ms	
			150 A/10 ms	
	Making capacity		40 A/0,5 s/110 Vdc	
	Breaking capacity		See curves	
	U _{max} , opened contact		250 Vdc/400 Vac	
Mechanical life	10 ⁷ operations			
Operating temperature (U _N)	-10°C +55°C			
Operating humidity	93%/40°C			
High/Low Burden configuration	Low burden configuration according to ESI 48-4 EB1			High burden configuration according to ESI 48-4 EB2

Construction standards

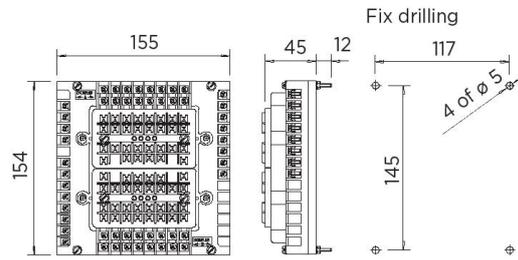
Electrical test IEC60255	Dielectric test	2 kV/50 Hz/1 min
	Surge withstand	5 kV/1,2/50 μs
	Insulation	> 2000 MΩ/500 Vdc
Inflammability tests IEC60692-2-1	Plastic materials	UL94: V0
		IEC60695: 850°C/30s
Cover protection degree	IEC60529, EN60529: IP40	

DIMENSIONS

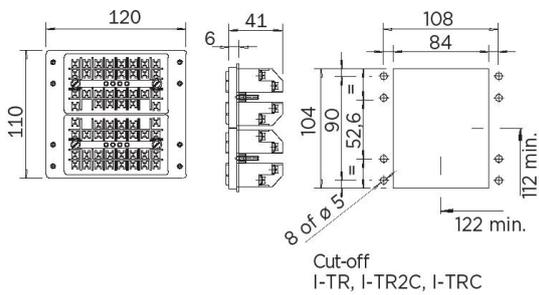
Relay



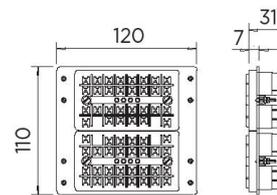
I-DE Socket



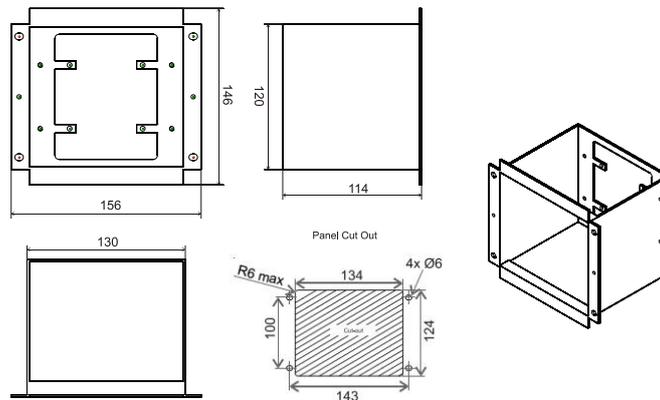
I-TR, I-TR2C Socket



I-TRC Socket

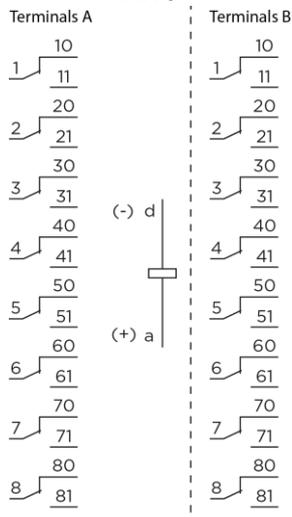


I-EMP Socket

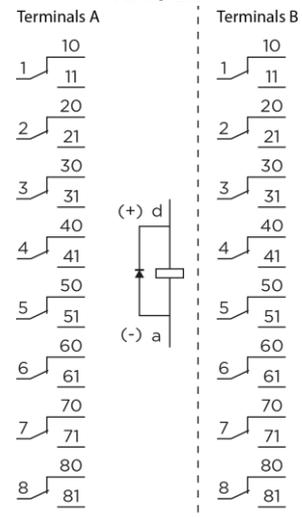


CONNECTIONS

RI16



RI16 DI



OTHER CHARACTERISTICS

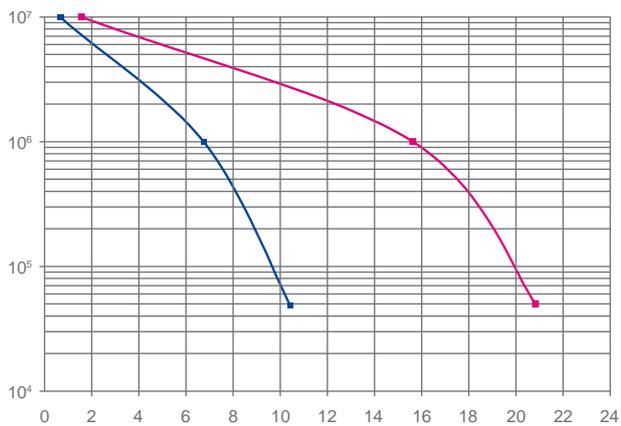
Kind of sockets

	Screw	Faston	Double Faston
Front connection	I-DE		
Rear connection	I-TR	I-TRC	I-TR2C
Flush mounting	I-EMP		

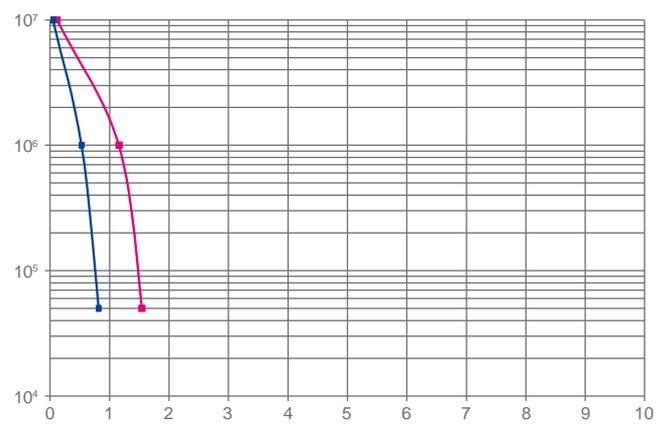
Weight

RI-16	1250 g.
I-DE	1000 g.
I-TR, I-TRC, I-TR2C	500 g.
I-EMP	500 g.

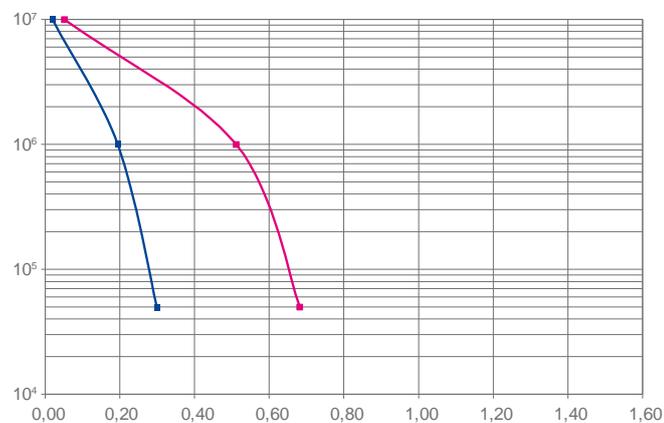
BREAKING CAPACITY CURVES



— 24 Vdc. 0ms
— 24 Vdc. 40ms



— 110 Vdc. 0ms
— 110 Vdc. 40ms



— 220 Vdc. 0ms
— 220 Vdc. 40ms