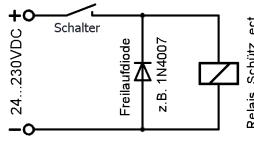
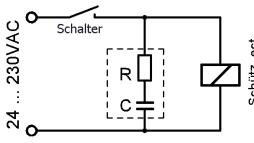
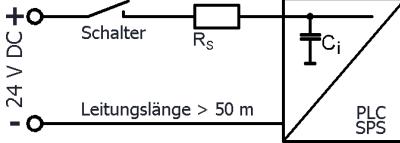
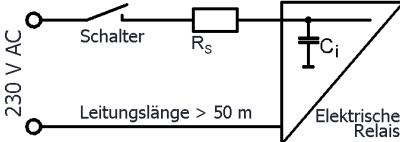


Schutzbeschaltung für E.L.B Geräte wie z.B. Reedkontakte, Mikroschalter etc.

Kontaktschutz

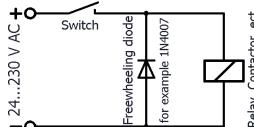
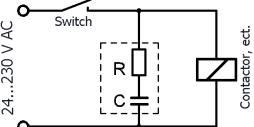
Mit einer der folgenden Schutzbeschaltung ist eine sichere Funktion und eine lange Lebensdauer gewährleistet:

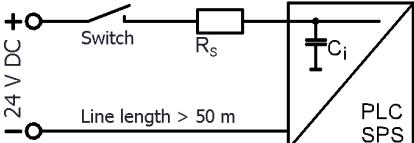
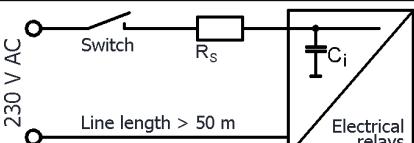
Schutzbeschaltung		Werte AC																							
Für induktive Last an DC		Für induktive Last an AC		Zulässige Werte für RC-Glieder																					
		<table border="1"> <thead> <tr> <th>Spannung</th><th>Kapazität</th><th>Widerstand</th><th>Art.Nr.:</th></tr> </thead> <tbody> <tr> <td>24 VAC</td><td>0,1 µF</td><td>100 Ohm</td><td>ebe00450</td></tr> <tr> <td>48 VAC</td><td>0,1 µF</td><td>220 Ohm</td><td>ebe00451</td></tr> <tr> <td>115 VAC</td><td>0,1 µF</td><td>330 Ohm</td><td>ebe00452</td></tr> <tr> <td>230 VAC</td><td>0,1 µF</td><td>470 Ohm</td><td>ebe00453</td></tr> </tbody> </table>	Spannung	Kapazität	Widerstand	Art.Nr.:	24 VAC	0,1 µF	100 Ohm	ebe00450	48 VAC	0,1 µF	220 Ohm	ebe00451	115 VAC	0,1 µF	330 Ohm	ebe00452	230 VAC	0,1 µF	470 Ohm	ebe00453			
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	C_i = innere Kapazität einer SPS, ect.																								
Für kapazitive Last an AC (Elektronische Relais)		Erklärung																							
	C_i = innere Kapazität eines elektronischen Relais, ect.																								
		R_s = Schutzwiderstand: 220 Ohm für 230 V AC Relais																							

Protective circuitry for E.L.B devices such as reed contacts and microswitches etc.

Contact protection

To ensure secure operation and to achieve a long life, one of the following protective circuit examples should be applied:

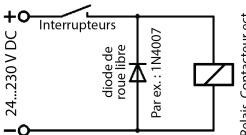
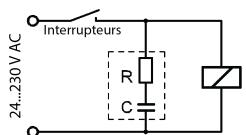
Protection circuit		Values AC																							
For inductive load on DC		For inductive load on AC		Permissible values for RC elements																					
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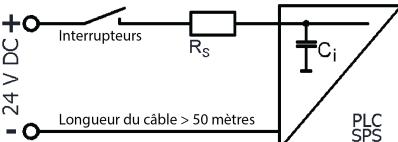
For capacitive load on DC (PLC Input)	Declaration
	C_i = internal capacitance of a PLC, etc. R_s = protective resistor = 47 Ohm
For capacitive load on AC (for electronic relays)	Declaration
	C_i = internal capacitance of an electronic relay, etc. R_s = protective resistor: 220 Ohm for 230 V AC Relais

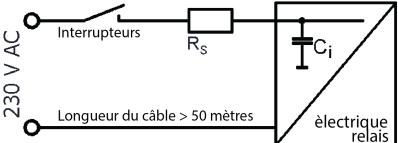
Circuit de protection pour contacteur Reed et microrupteur

Protection des contacts

Avec l'un des circuits de protection suivants, un fonctionnement sûr et une longue durée de vie sont garantis:

Circuit de protection		Valeurs AC			
Pour charge inductive sur DC	Pour charge inductive sur AC	Tension	Capacité	Résistance	Réf. art.:
		24 VAC	0,1 μ F	100 Ohm	ebe00450
		48 VAC	0,1 μ F	220 Ohm	ebe00451
		115 VAC	0,1 μ F	330 Ohm	ebe00452
		230 VAC	0,1 μ F	470 Ohm	ebe00453

Für kapazitive Last an DC (SPS Eingänge)	Explication
	C_i = Capacité interne d'une commande à mémoire programmable etc. R_s = Résistance de protection = 47 Ohms

Für kapazitive Last an AC (Elektronische Relais)	Explication
	C_i = Capacité interne d'un relais électronique etc. R_s = Résistance de protection : 220 Ohms pour relais 230 V AC