THE BODYGUARDS

ELTAKO mains disconnection relays switch off a monitored 230 V conductor after connected loads are switched off manually. This prevents interfering electromagnetic alternating fields.

A DC voltage with an extremely low residual ripple is used for monitoring purposes. No measurable alternating field is generated but it is guaranteed that room lighting is detected when switched on. The monitored conductor is then switched on again.

Electronically controlled loads or supplied loads, require a high degree of monitoring effort. Here, the self-learning mains disconnection relays are ideal for such applications.

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	pictograms	FR12-230V	FR61-230V	BZR12DDX-UC	AR12DX-230V	NR12-001-3x230V	NR12-002-3x230V	SBR12-230V/240µF	SBR61-230V/120µF	P3K12-230V
Modular device for mounting on DIN rail EN 60715 TH35, number of modules 18 mm each		1		1	1	1	2	1		1
Built-in device for installation (e.g. flush-mounting box)			■						■	
Number NO contacts or CO contacts potential free (not potential free)		(1)	(1)	1W	1W	1W	2W	(1)	(1)	–
Zero passage switching				■ 2)	■ 2)					
Switching capacity 16 A/250 V AC		■			■			■		
Switching capacity 10 A/250 V AC			■	■		■	■		■	
Incandescent lamp load W		2300	1000	2000	2300	1600	1600	1200	600	–
Fluorescent lamp load with EVG* and energy saving lamps W		I on ≤ 70 A/ 10 ms 1)	I on ≤ 70 A/ 10 ms 1)	150-200 2)	150-200 2)	I on ≤ 70 A/ 10 ms 1)	I on ≤ 70 A/ 10 ms 1)	1200	600	–
No standby loss								■	■	–
Low standby loss	MIN	■	■	■	■	■	■			■
Adjustable operating hours counter				■						
Current relay					■					
Mains monitoring relay						■	■			
Current-limiting relay								■	■	
Mains disconnection relay		■	■							
Phase annunciator										■

* EVG = electronic ballast units
1) A 40-fold inrush current must be expected for electronic ballast devices. Limit with SBR12 or SBR61 if applicable.
2) Duplex technology: When switched with 230 V/50 Hz zero passsage switching is activated if L is connected to (L) and N to (N). Then additional standby loss of only 0.1 watt.