

## The Bodyguards

Eltako mains disconnection relays switch off a monitored 230V 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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	<b>pictograms</b>	<b>BZR12DDX-UC</b>	<b>AR12DX-230V</b>	<b>NR12-001-3x230V</b>	<b>NR12-002-3x230V</b>	<b>SBR12-230V/240µF</b>	<b>SBR61-230V/120µF</b>	<b>FR12-230V</b>	<b>FR61-230V</b>	<b>P3K12</b>
Modular device for mounting on DIN rail EN 60715 TH35, number of modules 18 mm each		1	1	1	2	1		1		1
Built-in device for installation (e.g. flush-mounting box)							■		■	
Number NO contacts or CO contacts potential free (not potential free)		1W	1W	1W	2W	(1)	(1)	(1)	(1)	–
Zero passage switching		■ <sup>2)</sup>	■ <sup>2)</sup>							
Switching capacity 16A/250V AC			■			■		■		–
Switching capacity 10A/250V AC		■		■	■		■		■	–
Incandescent lamp load W		2000	2300	1600	1600	1200	600	2300	1000	–
Fluorescent lamp load with EVG* and energy saving lamps W		105-200 <sup>2)</sup>	210-400 <sup>2)</sup>	I <sub>on</sub> ≤ 70A/10ms <sup>1)</sup>	I <sub>on</sub> ≤ 70A/10ms <sup>1)</sup>	1200	600	I <sub>on</sub> ≤ 70A/10ms <sup>1)</sup>	I <sub>on</sub> ≤ 70A/10ms <sup>1)</sup>	–
No standby loss						■	■			
Low standby loss		■	■	■	■			■	■	■
Adjustable operating hours counter		■								
Current relay			■							
Mains monitoring relay				■	■					
Current-limiting relay						■	■			
Mains disconnection relay								■	■	
Phase annunciator										■

\* EVG = electronic ballast units

<sup>1)</sup> A 40-fold inrush current must be expected for electronic ballast devices. Limit with SBR12 or SBR61 if applicable.

<sup>2)</sup> Duplex technology: When switched with 230V/50Hz zero passage switching is activated if L is connected to (L) and N to (N). Then additional standby loss of only 0.1 Watt.