SWITCHING AND CONTROL PROFESSIONALS

Professional hybrid relays combine the advantages of nonwearing electronic control with high switching capacity of special relays. We also use mainly bistable relays. Thus preventing coil power loss even in the on mode. This increases energy efficiency and reduces heating in the switch cabinet.

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	pictograms	ER12DX-UC	ER12-200-UC	ER12-110-UC	ER12-001-UC	ER12-002-UC	ER12SSR-UC	ESR12NP-230V+UC	ESR12DDX-UC	KR09-12V UC, 24V UC, 230V	KRW12DX-UC	ER61-UC	ESR61NP-230V+UC	ESR61M-UC	ESR61SSR-230V	ETR61-230V	ETR61NP-230V	ETR61NP-230V+FK
Modular device for mounting on DIN rail EN 60715 TH35, number of modules 18 mm each		1	1	1	1	1	1	1	1	½	1							
Built-in device for installation (e.g. flush-mounting box)												■	■	■	■	■	■	■
Number NO contacts or changeover contact (W) potential free (not potential free)		1	2	1	1W	2W	1	(1)	1+1 [2] 2 [2]	1	1	1W	(1)	1+1 [2] 2 [2]	(1)	1	(1)	(1)
Number NC contacts potential free				1					1-2 [2]					1-2 [2]				
Zero passage switching		■ [7]					■	■	■ [7]		■ [7]		■		■			
Switching capacity 16 A/250 V AC		■	■	■	■	■		■	■		■							
Switching capacity 10 A/250 V AC										6 A		■	■	■		■	■	■
Incandescent lamp load W		2000	2000	2000	2000	2000	400	2300	2000	500	2000	2000	2000	2000	400	1000	2000	2000
Bistable relay(s) as relay contact(s)		■ [5]	■ [5]	■ [5]	■ [5]	■ [5]			■ [6]		■ [5]	■ [5]	■ [6]	■ [5]				
Switchable between the functions for impulse switches and switching relays								■	■				■	■	■			
Universal control voltage	UC	■	■	■	■	■	■	■	■		■	■	■	■				
(additional) control voltage 230 V								(■)					(■)		■			
Supply voltage same as control voltage									■						■			
Supply voltage 230 V								■ [3]					■		■	■	■	■
No standby loss		■ [7]	■	■	■	■	■			■	■ [7]	■		■				
Low standby loss	MIN							■	■ [7]				■		■	■	■	■
Glow lamp current (mA) at the control input 230 V								150 [1]	5				50 [1][4]					

[1] Glow lamp current independent from the ignition voltage.
[2] Depends on the set function.
[3] If the control voltage is 230 V, but the phase conductor is different from the 230 V supply voltage, the universal voltage control input must be used.
[4] At the control input -⊖-.
[5] The relay contact can be open or closed when putting into operation. It will be synchronised at first operation.
[6] The switched consumer may not be connected to the mains before the short automatic synchronisation after installation has terminated.
[7] Patented duplex technology: When switching 230 V/50 Hz the contact switching takes place in the zero passage when L is connected to (L) and N to (N). The standby loss is then 0.1 Watt.