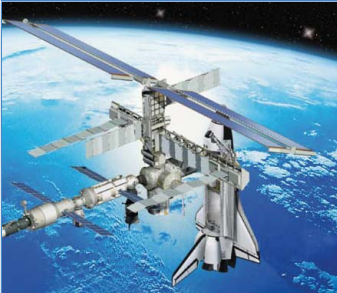











## The silent revolution

Without attracting particular attention by switching noise, the importance of electronic impulse switches with all their variants compared to conventional mechanical versions is growing steadily. They offer a highly reduced switching noise and further attractive advantages, such as multifunction, central control, zero passage switching for AC voltage, minimized control power demand and universal control voltage.

Page	A1	A2	A3	A4	A5	A6	A6	A7	A8	A8	A9	A9
	<b>pictograms</b> ES12-100-8..230V UC	ES12-200-8..230V UC	ES12-110-8..230V UC	ESR12NP-230V+8..230V UC	ESR12M-8..230V UC	ES12Z-200-8..230V UC	ES12Z-110-8..230V UC	ES12Z-4x8..230V UC	ES61-8..230V UC	ESR61NP-8..230V UC	ESR61M-8..230V UC	ES75-12..24V UC
Modular device for mounting on DIN rail EN 50022, number of modules 18 mm each	1	1	1	1	1	1	1	2				
Built-in device for installation (e.g. flush-mounting box) and surface mounting									■	■	■	■
Number NO contacts (not potential free)	1	2	1	(1)	1+1 <sup>3)</sup> 2 <sup>3)</sup>	2	1	4x1	1	(1)	1+1 <sup>3)</sup> 2 <sup>3)</sup>	(1)
Number NC contacts potential free			1		1-2 <sup>3)</sup>		1				1-2 <sup>3)</sup>	
Zero passage switching				■						■		
Switching capacity 16A/250V AC	■	■	■	■	■	■	■	■				
Switching capacity 10A/250V AC									■	■	■	■
Incandescent lamp load W		2000	2000	2000	3600	2000	2000	2000	2000	2000	2000	500
Bistable relay(s) as relay contact(s)		■ <sup>8)</sup>	■ <sup>8)</sup>	■ <sup>8)</sup>		■ <sup>9)</sup>	■ <sup>9)</sup>	■ <sup>9)</sup>	■ <sup>9)</sup>	■ <sup>8)</sup>	■ <sup>9)</sup>	■ <sup>8)</sup>
Universal control voltage		■	■	■	■	■	■	■	■	■	■	
Additional control voltage 230V		■ <sup>5)</sup>	■ <sup>5)</sup>	■ <sup>5)</sup>	■ <sup>6)</sup>				■ <sup>5)</sup>	■ <sup>6)</sup>		
Control voltage 12 to 24V UC												■
Supply voltage same as control voltage					■	■	■	■				
Supply voltage 230V				■ <sup>6)</sup>						■ <sup>6)</sup>		■
No standby loss		■	■	■					■		■	
Low standby loss					■	■	■	■		■		■
Glow lamp current (mA) at the control input 230V		5 <sup>1)7)</sup>	5 <sup>1)7)</sup>	5 <sup>1)7)</sup>	150 <sup>2)</sup>				5 <sup>1)7)</sup>	50 <sup>2)7)</sup>		
Glow lamp current (mA) at the control input for universal voltage						50 <sup>1)4)</sup>	50 <sup>1)4)</sup>	50 <sup>1)4)</sup>	4x30 <sup>1)4)</sup>			
Off delay, switch-off early warning function and permanent light by push-button can be switched on				■						■		
Multi circuit switch						■ <sup>3)</sup>					■ <sup>3)</sup>	
Group switch						■ <sup>3)</sup>					■ <sup>3)</sup>	
Central control electrically isolated from the local control							■	■	■			

<sup>1)</sup> Applies to glow lamps with 170V ignition voltage, for glow lamps with 90V ignition voltage approx. ½ glow lamp current. <sup>2)</sup> Glow lamp current independent from the ignition voltage. <sup>3)</sup> Depends on the set function. <sup>4)</sup> Will automatically be switched on starting at 110V control voltage. <sup>5)</sup> Control with 230V or low-voltage possible. <sup>6)</sup> If the control voltage is 230V, but the phase conductor is different than the 230V supply voltage, the universal voltage control input must be used due to the potential disconnection. <sup>7)</sup> At the control input . <sup>8)</sup> The relay contact can be open or closed when putting into operation. It will be synchronised at first operation. <sup>9)</sup> The switched consumer may not be connected to the mains before the automatic synchronisation after installation has terminated.