

Impulse relays are used:

- Closing of the impulse relay pole(s) is triggered by an impulse on the coil.
- Having two stable mechanical positions, the pole(s) will be opened by the next impulse. Each impulse received by the coil reverses the position of the pole(s).
- Can be controlled by an unlimited number of pushbuttons.
- Zero energy consumption.

IEC/EN 60669-2-2



Impulse relays



CSIR

- The impulse relays are used to control, by means of pushbuttons, lighting circuits consisting of:
 - incandescent lamps, low-voltage halogen lamps, etc. (resistive loads)
 - fluorescent lamps, discharge lamps, etc. (inductive loads)

Yellow clip

- A simple clip-on system for flexible auxiliaries combination and improved robustness
- For electrical and mechanical connections



- Insulated terminals IP20



- Large circuit labeling area



- Built-in or optional auxiliary function: state indication, centralised control, latched control, control for illuminated pushbutton, step-by-step control, time delay



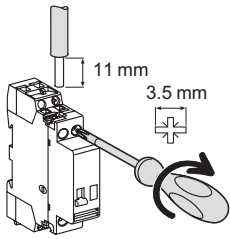
- Disconnection of remote control by selector switch (except for 4P single-piece CSIR) for maintenance operation



- Manual controls on front face: direct and priority manual control by O-I toggle
- Mechanical contact position indicator

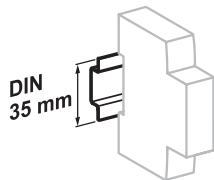
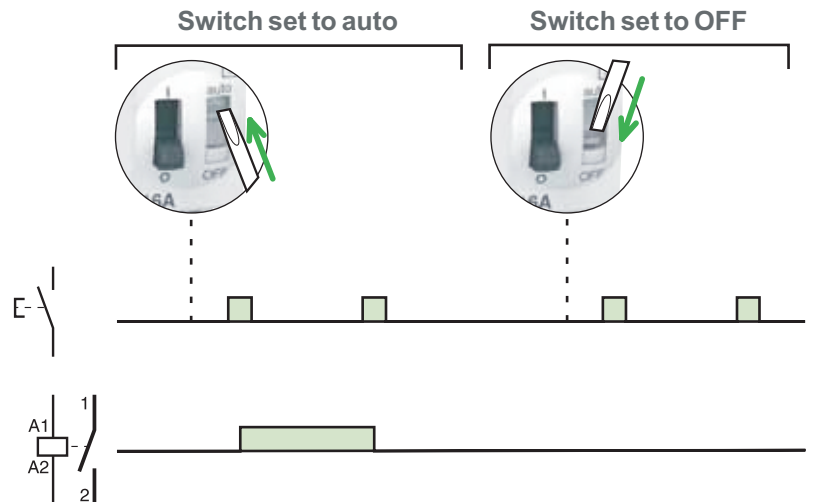
		Choice impulse relays auxiliaries				
Type		Standard CSIR				
Rating	A	16				
Control voltage	V AC	230/ 240	130	48	24	12
	V DC	110	48	24	12	6

Connection

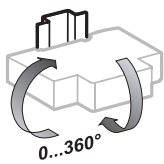


Type	Rating	Circuit	Tightening torque	Copper cables	
				Rigid or ferrule	Flexible or ferrule
CSIR	16 A	Control	1 N.m	0.5 to 4 mm ²	1 to 4 mm ²
		Power		1.5 to 4 mm ²	1.5 to 4 mm ²

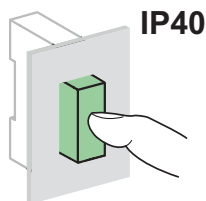
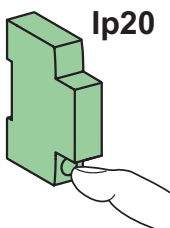
Operation



Clip on DIN rail 35 mm.





Indifferent position of installation.



Technical data

Control circuit		
Dissipated power (during the impulse)		1, 2P: 19 VA
Illuminated PB control		Max. current 3 mA (if > use an ATLz)
Operating threshold		Min. 85 % of Un in conformance with IEC/EN60669-2-2
Duration of the control order		50 ms to 1 s (200 ms recommended)
Response time		50 ms
Power circuit		
Voltage rating (Ue)	1P, 2P	24 ...250 V AC
Frequency		50 Hz or 60 Hz
Maximum number of operations per minute		5
Maximum number of switching operation a day		100
Additional characteristics to IEC/EN 60947-3		
Insulation voltage (Ui)		440 V AC
Pollution degree		3
Rated impulse withstand voltage (Uimp)		6 kV
Endurance (O-C)		
Electrical to IEC/EN 60947-3		200,000 cycles (AC21) 100,000 cycles (AC22)
Overvoltage category		IV
Other characteristics		
Degree of protection (IEC 60529)	Device only Device in modular enclosure	IP20 IP40 Insulation class II
Operating temperature		-20°C to +50°C
Storage temperature		-40°C to +70°C
Tropicalization (IEC 60068-1)		Treatment 2 (relative humidity 95 % at 55°C)

Security		
Accessories	Yellow clips	Spacer
		
Function	<ul style="list-style-type: none"> • Ensure the mechanical and/or electrical link between impulse relays and their auxiliaries 	<ul style="list-style-type: none"> • Required to reduce temperature rise of modular devices installed side by side. • Recommended to separate electronic devices (thermostat, programmable clock, etc.) from electromechanical devices (relays, contactors).
specifications		
Width in 9 mm modules	-	1

Dimensions (mm)

