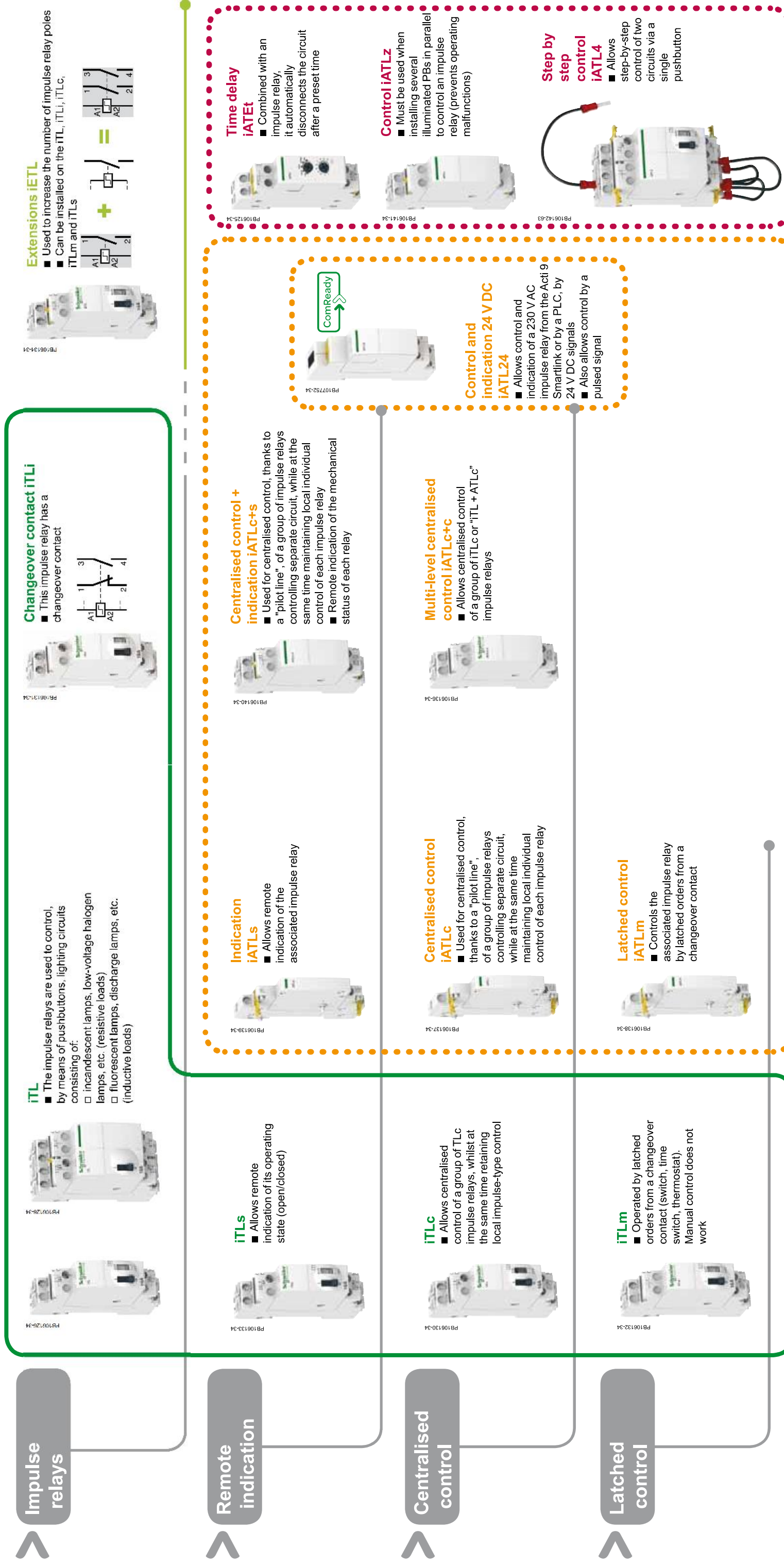


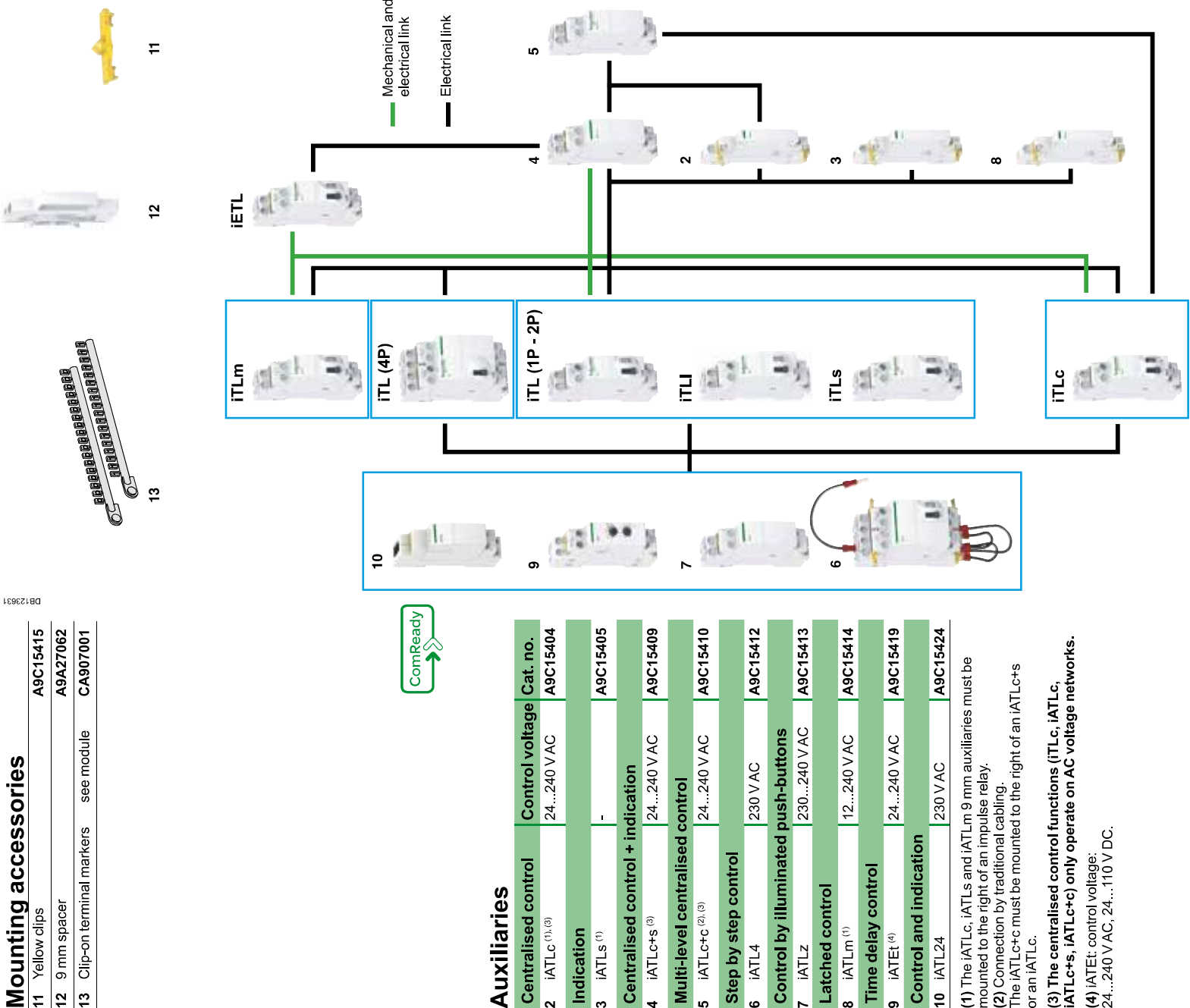


IEC/EN 60669-2-2

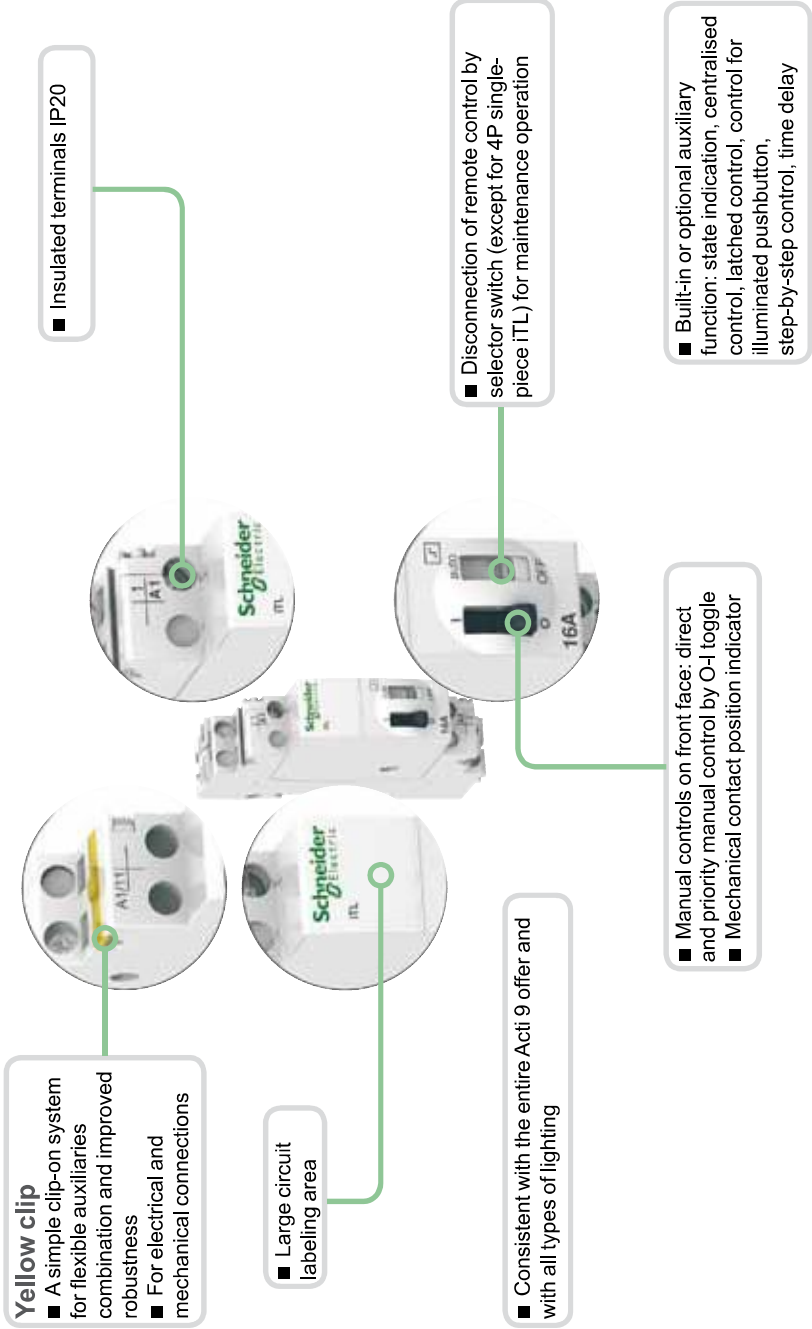
ITLs: IEC/EN 60947-5-1



Mounting accessories		
11	Yellow clips	A9C15415
12	9 mm spacer	A9A27062
13	Clip-on terminal markers	see module CA907001



PB10612641



Control
Remote control

iTL impulse relays (cont.)

Auxiliaries choice in V AC and V DC

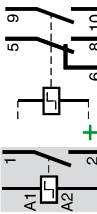
V AC	Choice impulse relays auxiliaries									
Type	Standard iTL			Changeover iTLI			iTLc centralised control	iTLm control on latched order	iTLs remote indication	
Rating A	16	32	16	16	16	16	16	16	16	
	230/ 240	130 240	230/ 240	130 240	230/ 240	230/ 240	230/ 240	230/ 240	230/ 240	24
Control voltage (Uc) V AC	12	24	48	12	24	48	24	230/ 240	48	24
Auxiliaries										
Extension										
iETL	■	■	■	■	■	■	■	■	■	■
Centralised control + indication										
iATLc+s	■	■	■	■	■	■	-	-	■	■
Centralised control										
iATLc	■	■	■	■	■	■	-	-	■	■
Indication										
iATLs	■	■	■	■	■	■	■	■	■	■
Multi-level centralised control										
iATLc+c	■	■	■	■	■	■	-	-	■	■
Latched control										
iATLm	■	■	■	■	■	■	-	-	■	■
Control for illuminated Pushbutton										
iATLz	■	-	-	-	■	-	-	-	■	-
Step by step control										
iATL4	■	-	-	-	■	-	-	-	■	-
Time delay control										
iATet	■	■	■	■	■	■	-	-	■	■
Control and indication										
iATL24	■	-	-	-	■	-	-	-	■	-

Control
Remote control

iTL impulse relays (cont.)

V AC	Choice impulse relays auxiliaries									
Type	Standard iTL			Changeover iTLI			iTLc centralised control	iTLm control on latched order	iTLs remote indication	
Rating A	16	32	16	16	16	16	16	16	16	
	230/ 240	130 240	230/ 240	130 240	230/ 240	230/ 240	230/ 240	230/ 240	230/ 240	24
Control voltage (Uc) V AC	12	24	48	12	24	48	24	230/ 240	48	24
Auxiliaries										
Extension										
iETL	■	■	■	■	■	■	■	■	■	■
Centralised control + indication										
iATLc+s	■	■	■	■	■	■	-	-	■	■
Centralised control										
iATLc	■	■	■	■	■	■	-	-	■	■
Indication										
iATLs	■	■	■	■	■	■	■	■	■	■
Multi-level centralised control										
iATLc+c	■	■	■	■	■	■	-	-	■	■
Latched control										
iATLm	■	■	■	■	■	■	-	-	■	■
Control for illuminated Pushbutton										
iATLz	■	-	-	-	■	-	-	-	■	-
Step by step control										
iATL4	■	-	-	-	■	-	-	-	■	-
Time delay control										
iATet	■	■	■	■	■	■	-	-	■	■
Control and indication										
iATL24	■	-	-	-	■	-	-	-	■	-

Catalogue numbers

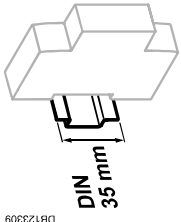
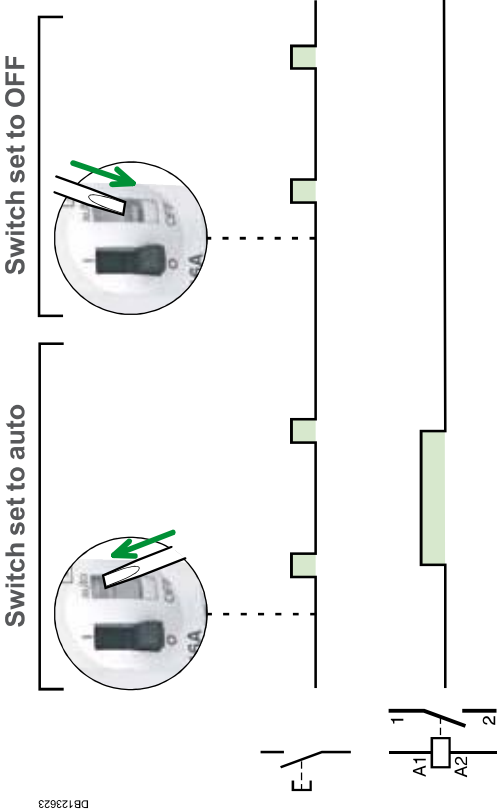
iTL impulse relays												
Type	1P	2P	3P	4P								
Rating (In)	 1 NO DB129624	 2 NO DB129625	 1 NO + 1 NO/NC + 1 NO DB129626 + DB129630	 4 NO DB129627								
Control voltage (Uc) (V AC) (50/60 Hz)	12	24	48	130	230...240	110	2	 1 NO DB129624	 2 NO DB129624 + DB129629	 1 NO + 1 NO + 1 NO DB129624 + DB129629	 4 NO DB129624 + DB129629	
16 A	5	12	24	48	130	230...240	110	2	A9C30011	A9C30012	A9C30011 + A9C32016	A9C30012 + A9C32016
230...240	110	2	2	2	2	2	2	A9C30111	A9C30112	A9C30111 + A9C32116	A9C30112 + A9C32116	
230...240	110	2	2	2	2	2	2	A9C30211	A9C30212	A9C30211 + A9C32216	A9C30212 + A9C32216	
230...240	110	2	2	2	2	2	2	A9C30311	A9C30312	A9C30311 + A9C32316	A9C30312 + A9C32316	
230...240	110	2	2	2	2	2	2	A9C30811	A9C30812	A9C30811 + A9C32816	A9C30812 + A9C32816	
Width in 9 mm modules	2	4	4	4	4	4	4	 1 NO DB129624	 2 NO DB129624 + DB129629	 1 NO + 1 NO + 1 NO DB129624 + DB129629	 4 NO DB129624 + DB129629	
32 A	230...240	110	2	4	4	4	4	A9C30831	A9C30831 + A9C32836	A9C30831 + 2 x A9C32836	A9C30831 + 3 x A9C32836	
Width in 9 mm modules	2	4	4	4	4	4	4	 1 NO DB129624	 2 NO DB129624 + DB129629	 1 NO + 1 NO + 1 NO DB129624 + DB129629	 4 NO DB129624 + DB129629	

Catalogue numbers (cont.)				
iTLC impulse relay with centralised control				
Type				
	1P DB123617	3P DB123618		
Rating (In)	Control voltage (Uc) (V AC) (50/60 Hz)	1 NO + 1 NO/NC + 1 NO		
16 A	24	A9C33111 + A9C32116		
	48	A9C33211 + A9C32216		
	230...240	A9C33811 + A9C32816		
Width in 9 mm modules				
2				
iTLM impulse relay with latched control				
Type				
	1P DB123966	3P DB123967		
Rating (In)	Control voltage (Uc) (V AC) (50/60 Hz)	1 NO + 1 NO/NC + 1 NO		
16 A	24	A9C34811 + A9C32816		
	230...240	A9C34811 + A9C32816		
Width in 9 mm modules				
2				
ITLs impulse relay with remote indication*				
Type				
	1P DB123621	3P DB123622		
Rating (In)	Control voltage (Uc) (V AC) (50/60 Hz) (V DC)	1 NO + 1 NO/NC + 1 NO		
16 A	24	A9C32111 + A9C32116		
	48	A9C32211 + A9C32216		
	230...240	A9C32811 + A9C32816		
Width in 9 mm modules				
2				
(*) Short circuit protection device for indication contacts : 6 A gG fuse.				

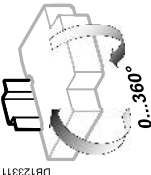
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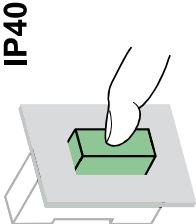
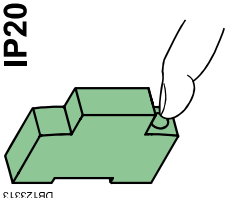
Operation



Clip on DIN rail 35 mm.



Indifferent position of installation.



Technical data

Control circuit		iTL and iTLI 16 A iTLc, iTLm, iTLs, iETL 16 A	iTL 32 A, iETL 32 A
Control voltage (Uc)	Tolerance at 50 Hz Tolerance at 60 Hz Tolerance V DC	+6 %, -15 % ±6 %, +6 %, -10 %	
Dissipated power (during the impulse)	1, 2, 3P: 19 VA 4P: 38 VA	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 3P, 4P	24 ...250 V AC 24....415 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			
Insulation voltage (Ui)		440 V AC	
Pollution degree		3	
Rated impulse withstand voltage (Uimp)		6 kV	
Overvoltage category		IV	
Endurance (O-C)			
Electrical		200,000 cycles (AC21) 100,000 cycles (AC22)	50,000 cycles (AC21) 20,000 cycles (AC22)
Other characteristics			
Degree of protection (IEC 60529)	Device only Device in modular enclosure	IP20 IP40	
Operating temperature		Insulation class II	
Storage temperature		-20°C to +50°C	
Tropicalization (IEC 60068-1)		-40°C to +70°C	
		Treatment 2 (relative humidity 95 % at 55°C)	

Control
Remote control

iTL impulse relays (cont.)

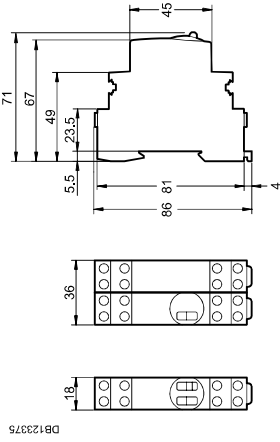
Control
Remote control

iTL impulse relays (cont.)

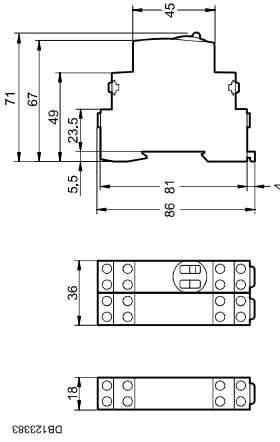
[illegible]

Security	
Accessories	 
	PB106143-10 PB104483
Function	■ Ensure the mechanical and/or electrical link between impulse relays and their auxiliaries (set of 10). A9C15415 ■ 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). A9A27062
Catalogue numbers	
Technical specifications	
Width in 9 mm modules	— 1

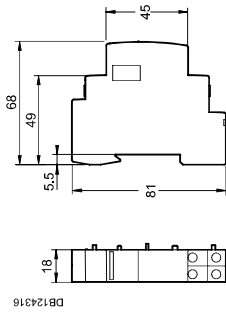
Dimensions (mm)



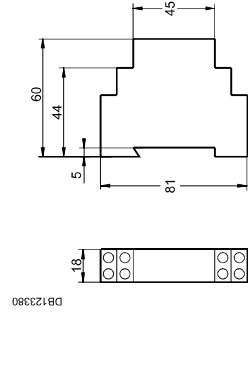
iTL1P
iTLc
iTLm
iTLs
iTLi
iETL



iATLc+s
iATLc+c
iATLz
iATL4



iATL24



iATet