

EN 61095, IEC 1095

iCT contactors are available in two versions:

- Contactors without manually-operated
- Contactors with manually-operated.

The breadth of the iCT contactor range satisfies most application cases.
iCT contactors can be combined with auxiliary control, protection and indication functions.

Contactors

iCT 2P



DB106115-35
manual control

iCT 4P



DB106105-35

- iCT contactors can be used to remote control applications in alternative networks:
 - lighting, heating, ventilation, roller blinds, sanitary hot water
 - mechanical ventilation systems, etc
 - load-shedding of non-priority circuits



DB106120-34

Indication iACTs

- This auxiliary allows indication or control of the "open" or "closed" position of the contactor power contacts



DB106124-34

Interference filtering iACTp

- This auxiliary is an interference suppressor which limits overvoltages on the control circuit



DB106123-34

Dual control iACTc


- Used to control a contactor in impulse-type mode or to combine latched or impulse-type control orders



DB107751-34

Control and indication 24 V DC iACT24

- Allows control and indication of a 230 Vac contactor from the Acti 9 Smartlink or by a PLC, by 24 V DC signals
- Also allows control by a maintained signal



DB106125-34

Time delay iATeT

- This auxiliary is used to time delay for iCT and iTL. According to cabling, there are 5 possible time delay types:
 - 1 for iTL
 - 4 for iCT

Function type A: late closing

- Delay energizing of contactor

Function type B: time delay

- Energize the contactor by closing a push button
- The time delay starts as soon as the control contacts are closed

Function type C: late opening

- Energize the contactor by closing a push button
- The time delay starts when the control contacts are opened

Function type H: fixed time operation

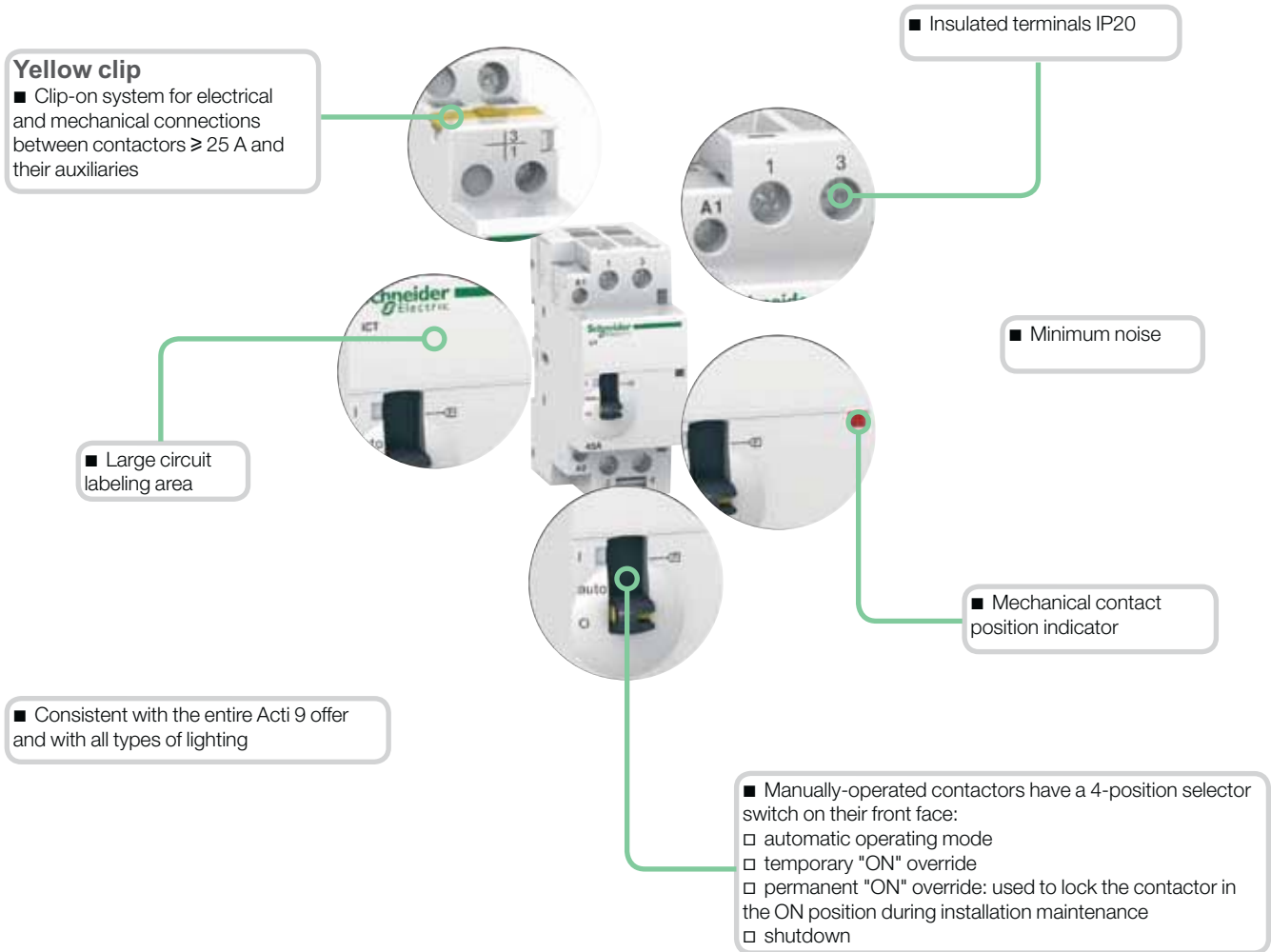
- Operate the contactor for a pre-determined time from the moment of energizing

Contactors

Contactors auxiliaries

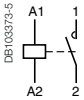
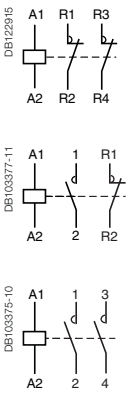
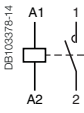
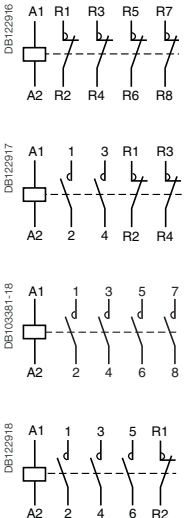
		Choice of 50 Hz contactors									
Type		Contactor						Manually-operated contactors			
Rating	A	16	20	25	40	63	100	16	25	40	63
Auxiliaries								Contactors that can be equipped with auxiliaries			
iACTs indication auxiliary		Yes	Yes	Yes				Yes			
iACTp protection auxiliary	By yellow clips	No	No	Yes				No	Yes		
iACTc, iATeT control auxiliary	By yellow clips	No	No	Yes				No	Yes		
iACT24 control auxiliary		Non	No	Yes (for contactors 230 V - 50 Hz)				No	Yes (for contactors 230 V - 50 Hz)		

PB100115-39



Choice of 60 Hz contactors				
Contactor				Manually-operated contactors
16	25	40	63	40
Contactors that can be equipped with auxiliaries				
Yes				Yes
No	Yes			Yes
No	Yes			Yes
No	Yes			No

Catalogue numbers

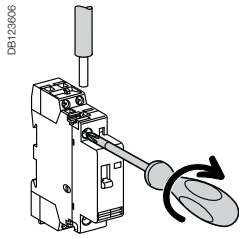
iCT contactors - 50 Hz						
Type	Rating (In)		Control voltage (V AC) (50 Hz)	Contact	Width in 9 mm modules	
	AC7a	AC7b				
	16 A	6 A	12	1NO	A9C22011	2
			24	1NO	A9C22111	2
			48	1NO	A9C22211	2
			220	1NO	A9C22511	2
			230...240	1NO	A9C22711	2
			25 A	8.5 A	220	1NO
			230...240	1NO	A9C20731	2
	16 A	6 A	12	2NO	A9C22012	2
			24	2NO	A9C22112	2
			48	2NO	A9C22212	2
			220	2NO	A9C22512	2
			230...240	2NO	A9C22712	2
			12	1NO+1NC	A9C22015	2
	24	1NO+1NC	A9C22115	2		
	220	1NO+1NC	A9C22515	2		
	230...240	1NO+1NC	A9C22715	2		
	20 A	-	230...240	2NO	A9C22722	2
	25 A	8.5 A	24	2NO	A9C20132	2
			48	2NO	A9C20232	2
			220	2NO	A9C20532	2
			230...240	2NO	A9C20732	2
			220	2NC	A9C20536	2
			230...240	2NC	A9C20736	2
	40 A	15 A	220...240	2NO	A9C20842	4
	63 A	20 A	24	2NO	A9C20162	4
		220...240	2NO	A9C20862	4	
100 A	-	220...240	2NO	A9C20882	6	
	16 A	6 A	220...240	3NO	A9C22813	4
	25 A	8.5 A	220...240	3NO	A9C20833	4
	40 A	15 A	220...240	3NO	A9C20843	6
	63 A	20 A	220...240	3NO	A9C20863	6
	16 A	6 A	24	4NO	A9C22114	4
			220...240	4NO	A9C22814	4
			220...240	2NO+2NC	A9C22818	4
	20 A	-	220...240	4NO	A9C22824	4
	25 A	8.5 A	24	4NO	A9C20134	4
			220...240	4NO	A9C20834	4
			24	4NC	A9C20137	4
			220...240	4NC	A9C20837	4
	40 A	15 A	220...240	2NO+2NC	A9C20838	4
	40 A	15 A	220...240	4NO	A9C20844	6
			220...240	4NC	A9C20847	6
			220...240	4NC	A9C20847	6
	63 A	20 A	24	4NO	A9C20164	6
			220...240	4NO	A9C20864	6
			24	4NC	A9C20167	6
			220...240	4NC	A9C20867	6
	220...240		220...240	2NO+2NC	A9C20868	6
			220...240	3NO+1NC	A9C20869	6
220...240			4NO	A9C20884	12	
100 A	-	220...240	4NO	A9C20884	12	

Catalogue numbers

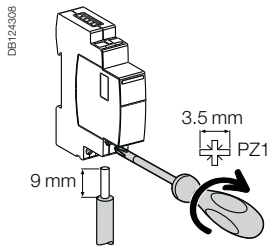
ICT manual control contactor 50 Hz						Width in 9 mm modules
Type	Rating (In)		Control voltage (V AC) (50/60 Hz)	Contact		
2P	AC7a	AC7b				
<p>DB106317-24</p>	16 A	6 A	220	2NO	A9C23512	2
			230...240	2NO	A9C23712	2
			220	1NO+1NC	A9C23515	2
			230...240	1NO+1NC	A9C23715	2
	25 A	8,5 A	24	2NO	A9C21132	2
			220	2NO	A9C21532	2
			230...240	2NO	A9C21732	2
			220...240	2NO	A9C21842	4
40 A	15 A	24	2NO	A9C21142	2	
		220...240	2NO	A9C21842	4	
63 A	20 A	24	2NO	A9C21162	4	
		220...240	2NO	A9C21862	4	
<p>DB106318-27</p>						
3P						
<p>DB106319-27</p>	25 A	8,5 A	220...240	3NO	A9C21833	4
	40 A	15 A	220...240	3NO	A9C21843	6
4P						
<p>DB106320-31</p>	25 A	8,5 A	24	4NO	A9C21134	4
			220...240	4NO	A9C21834	4
	40 A	15 A	24	4NO	A9C21144	6
			220...240	4NO	A9C21844	6
63 A	20 A	24	4NO	A9C21164	6	
		220...240	4NO	A9C21864	6	



Connection

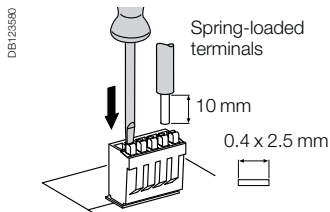


Type	Rating	Length tripping	Circuit	Tightening torque	Copper cables		
					Rigid	Flexible or ferrule	
iCT	PZ1: 4 mm	16 - 100 A	9 mm	Control	0.8 N.m	1.5 to 2.5 mm: 2 x 1.5 mm ²	1.5 to 2.5 mm: 2 x 2.5 mm ²
						16 and 25 A	Power
	PZ2: 6 mm	40 A - 63 A	14 mm	3.5 N.m	6 to 25 mm ²	6 to 16 mm ²	
		100 A				6 to 35 mm ²	6 to 35 mm ²
iACTs, iACTp, iACTc, iATEt	PZ1: 4 mm	-	9 mm	-	0.8 N.m	1.5 to 2.5 mm: 2 x 1.5 mm ²	1.5 to 2.5 mm: 2 x 2.5 mm ²



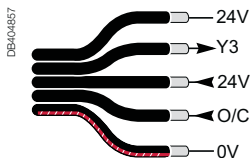
Type	Terminals	Tightening torque	Copper cables		
			Rigid	Flexible	Flexible or ferrule
iACT24	Power supply (N/P) Input (Y1/Y2)	1 N.m	0.5 to 10 mm ² 2 x 0.5 to 2 x 2.5 mm ²	0.5 to 6 mm ² 2 x 0.5 to 2 x 2.5 mm ²	0.5 to 4 mm ² 2 x 0.5 to 2 x 2.5 mm ²

Ti24 connector connection

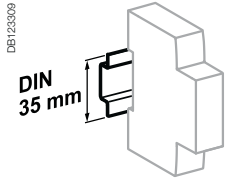


Type	Catalogue numbers	Copper cables	
		Rigid	Flexible
Ti24 Interface	A9XC2412	1 x 0.5 to 1.5 mm ²	1 x 0.5 to 1.5 mm ²

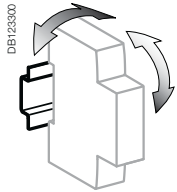
Ti24 prefabricated cables connection



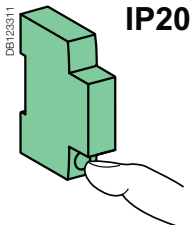
Type	Catalogue numbers	Length
Connection for Acti 9 Smartlink		
6 short prefabricated	A9XCAS06	100 mm
6 medium-sized prefabricated	A9XCAM06	160 mm
6 long prefabricated	A9XCAL06	870 mm
Connection for PLC type terminals		
6 long prefabricated on a single side	A9XCAU06	870 mm



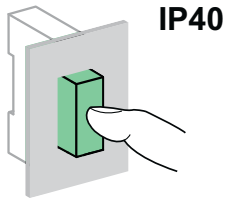
Clip on DIN rail 35 mm.



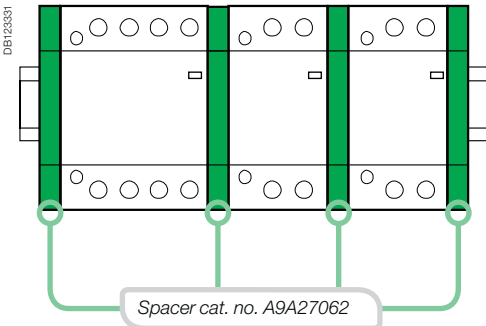
± 30° vertical.



IP20



IP40



Technical data

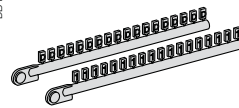
Power circuit		
Voltage rating (Ue)	1P, 2P	250 V AC
	3P, 4P	400 V AC
Frequency	50 Hz or 60 Hz	
Type of load	See module CA908026	
Endurance (O-C)		
Electrical	100,000 cycles	
Maximum number of switching operation a day	100	
Additional characteristics		
Insulation voltage (Ui)	500 V AC	
Pollution degree	2	
Rated impulse withstand voltage (Uimp)	2.5 kV (4 kV for 12/24/48 V AC)	
Degree of protection (IEC 60529)	Device only	IP20
	Device in modular enclosure	IP40
Operating temperature	-5°C to +60°C ⁽¹⁾	
Storage temperature	-40°C to +70°C	
Tropicalization (IEC 60068-1)	Treatment 2 (relative humidity 95 % at 55°C)	
ELSV compliance (Extra Low Safety Voltage) for 12/24/48 V AC versions		
The product control conforms to the SELV (safety extra low voltage) requirements		

(1) In the case of contactor mounting in a enclosure for which the interior temperature is in range between 50°C and 60°C, it is necessary to use a spacer, cat. no. A9A27062, between each contactor

Mounting accessories

7	Sealable screw shields for top and bottom	3P, 4P 25 A	A9A15921
		2P 40/63 A	A9A15922
		3P, 4P 40/63 A	A9A15923
8	9 mm spacer		A9A27062
9	Yellow clips		A9C15415
10	Clip-on terminal markers	see module	CA907001

DB124309



10



9

Auxiliaries

Indication			
2	iACTs	1NO + 1NC	A9C15914
		1CO	A9C15915
		2NO	A9C15916
Double control inputs			
3	iACTc	230 V AC	A9C18308
		24 V AC	A9C18309
Coil suppression blocs			
4	iACTp	12...48 V AC	A9C15919
		48...127 V AC	A9C15918
		220...240 V AC	A9C15920
Time delay			
5	iATEt	24...240 V AC	A9C15419
Control and indication			
6	iACT24	230 V AC	A9C15924

ComReady

6

5

4

3



8

7

iCT < 25 A




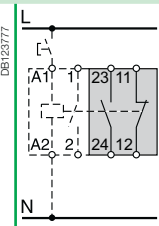
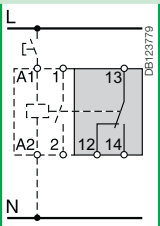
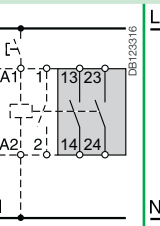
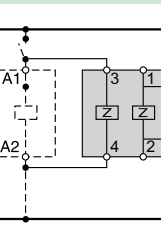
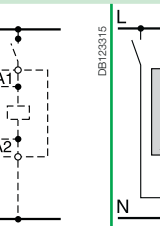
iCT ≥ 25 A

2

2

iCT contactors

Electrical auxiliaries for iCT

Auxiliaries	Indication			Protection			Control		
Type	iACTs			iACTp			iACTc		
Type	Indication			Interference filtering			Impulse/latched control		
	With Open/Close auxiliary contact			2 protection circuits			Impulse/latched control		
									
Function	<ul style="list-style-type: none"> This auxiliary allows indication of the "open" or "closed" position of the contactor power contacts 			<ul style="list-style-type: none"> This auxiliary is an interference suppressor which limits overvoltages on the control circuit 			<ul style="list-style-type: none"> This auxiliary, combined with contactors, enables them to be controlled by 2 order types: <ul style="list-style-type: none"> impulse order for local control (input T) latched order for centralised control (input X) the last order received takes priority 		
Wiring diagrams									
									
Mounting	<ul style="list-style-type: none"> Mounted to the right of iCT 			<ul style="list-style-type: none"> Mounted to the left of iCT by yellow clips⁽¹⁾ By wires 			<ul style="list-style-type: none"> Mounted to the left of iCT by yellow clips⁽¹⁾ 		
Use	-			<ul style="list-style-type: none"> The iACTp has 2 separate and identical circuits, allowing it to be combined with 2 different one on the iCT the other by wires 			<ul style="list-style-type: none"> Mains power outages: <ul style="list-style-type: none"> < 70 ms: keeps its initial status > 80 ms: reset put back into operation by manual operation on input X or T. Minimum impulse duration: 250 ms 		
Catalogue numbers	A9C15914	A9C15915	A9C15916	A9C15918	A9C15919	A9C15920	A9C18308	A9C18309	
Technical specifications									
Control voltage (U _e)	V AC	24...240		48 ...127	12 ...48	220 ...240	230...240	24...48	
	V DC	24...130		-		-		-	
Control voltage frequency	Hz	50/60		50/60		50/60		-	
Width in 9 mm modules		1		2		2		-	
Auxiliary contact (breaking capacity)		<ul style="list-style-type: none"> Minimum: 10 mA at 24 V DC/AC - cos φ = 1 Maximum: <ul style="list-style-type: none"> 5 A at 240 V AC - cos φ = 1 1 A at 130 V DC 		-		-		-	
Number of contacts		1NO + 1NC	1CO	2NO		-		-	
Operating temperature	°C	-5°C to +50°C							
Storage temperature	°C	-40°C to +70°C							
Consumption		-			-		OFF load: 3 VA Inrush ⁽²⁾ : 2 VA Holding ⁽²⁾ : 0.2 VA		

(1) Electrical and mechanical link.

(2) Maximum consumption of all contactors controlled.

iCT contactors Electrical auxiliaries for iCT (cont.)

Control (cont.)

iATEt

Time delay

FB106125-34



■ This auxiliary is used to time delay for iCT and iTL. According to cabling, there are 5 possible time delay types:

- 1 for iTL
- 4 for iCT.

Function type A: late closing

■ Delay energizing of contactor.

Function type B: time delay

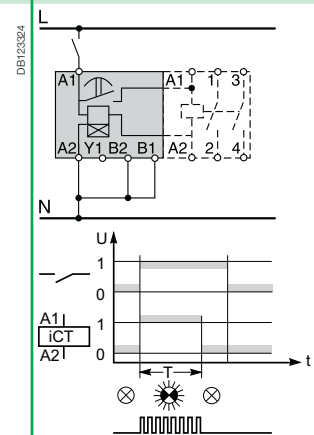
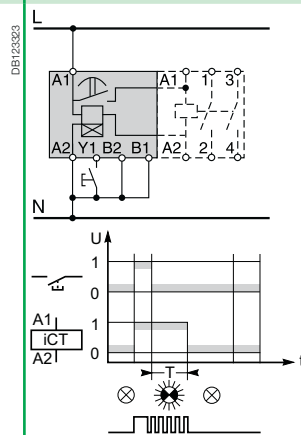
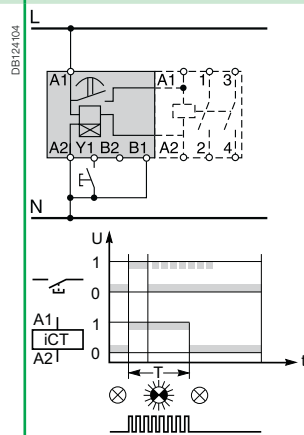
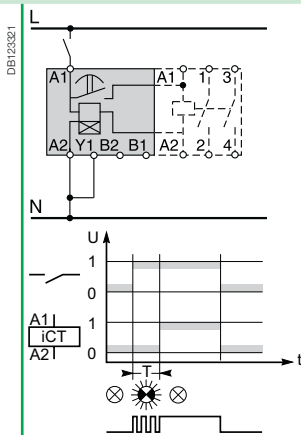
■ Energize the contactor by closing a push button.
■ The time delay starts as soon as the control contacts are closed.

Function type C: late opening

■ Energize the contactor by closing a push button.
■ The time delay starts when the control contacts are opened.

Function type H: fixed time operation

■ Operate the contactor for a pre-determined time from the moment of energizing.



■ Mounted to the left of iCT by yellow clips⁽¹⁾

A9C15419

24...240

24...110

50/60

2


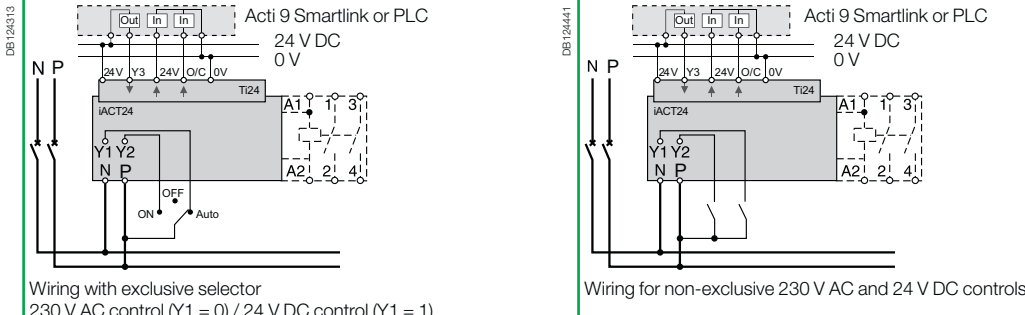
-20°C to +50°C

-40°C to +80°C






Off-load: 5 VA
Inrush⁽²⁾: 3 A
Holding⁽²⁾: 0.2 A

iCT contactors

Electrical auxiliaries for iCT (cont.)

Control and indication	
Auxiliary	iACT24
Type	Control and indication 24 V DC
	With Ti24 connector
	
Function	<ul style="list-style-type: none"> This auxiliary allows a contactor to be interfaced with the Acti 9 Smartlink interface or a programmable logic controller (PLC) in 24 V DC (control, O/C indication) 230 V AC control
Wiring diagrams	 <p>Wiring with exclusive selector 230 V AC control (Y1 = 0) / 24 V DC control (Y1 = 1)</p> <p>Wiring for non-exclusive 230 V AC and 24 V DC controls</p>
Mounting	<ul style="list-style-type: none"> To the left of the iCT contactor using the yellow clips⁽¹⁾. When an iACT24 is used, the A1/A2 terminals of the contactors should not be wired. Only the yellow clips integral with the iACT24 should be used for connection to the coil.
Utilization	<ul style="list-style-type: none"> 230 V AC interface: <ul style="list-style-type: none"> Y1: enabling of 24 V DC control (Y1 = 1) or inhibition of 24 V DC control (Y1 = 0). Y2: 230 V pulse control "Ti24" 24 V DC interface: <ul style="list-style-type: none"> Y3: 24 V DC control of iCT closing on rising edge and opening on falling edge reading of the contactor status (opened or closed) from the position of the integrated O/C auxiliary contact monitoring of connection of the "Ti24" terminal block by the upstream system (PLC, supervision system) via the 24 V terminal (in the centre of the Ti24 terminal block)
Catalogue numbers	A9C15924
Technical specifications	
Control voltage (U _e)	V AC 230, +10 %, -15 % (Y2)
	V DC 24, ± 20 % (Y3)
Control voltage frequency	Hz 50/60
Insulation voltage (U _i)	V AC 250
Rated impulse withstand voltage (U _{imp})	kV 8 (OVC IV)
Pollution degree	3
Degree of protection	IP20B device only IP40 device in modular enclosure
Width in 9 mm modules	2
Auxiliary contact (O/C) Ti24	24 V DC protected output, min. 2 mA, max. 100 mA
Contact	1 O/C operating category AC 14
Operating temperature	°C -25°C to +60°C
Storage temperature	°C -40°C to +80°C
Consumption	<1 W
Standard	IEC/EN 60947-5-1

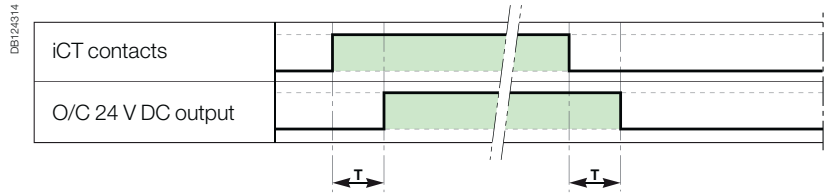
(1) Mechanical and electrical link.

Security					
Accessories	Sealable screw shields			Yellow clips	Spacer
					
Function	<ul style="list-style-type: none"> ■ Designed to cover terminals to avoid contact with device screws. ■ Allow sealing 			<ul style="list-style-type: none"> ■ Ensure the mechanical and/or electrical link between contactors 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).
	■ For iCT: 3P, 4P - 25 A	■ For iCT: 2P - 40/63 A	■ For iCT: 3P, 4P - 40/63 A	■ For iCT: ≥ 25 A	
Use	■ Bag of 10 upstream/10 downstream			■ Bag of 10	■ Bag of 5
Catalogue numbers	A9A15921	A9A15922	A9A15923	A9C15415	A9A27062
Technical specifications					
Width in 9 mm modules	4	4	6	–	1
Number of poles	3P, 4P	2P	3P	–	–



Operation of the iACT24

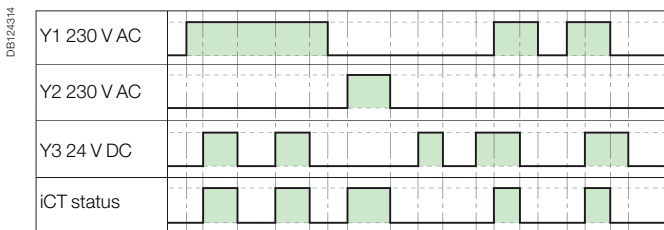
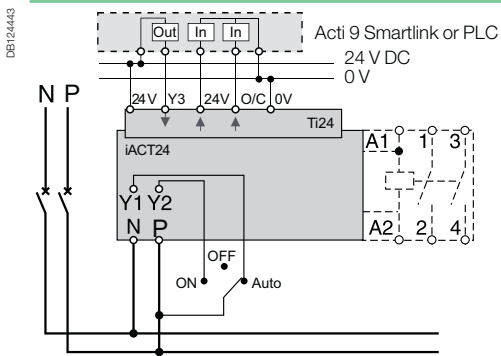
O/C 24 V DC output



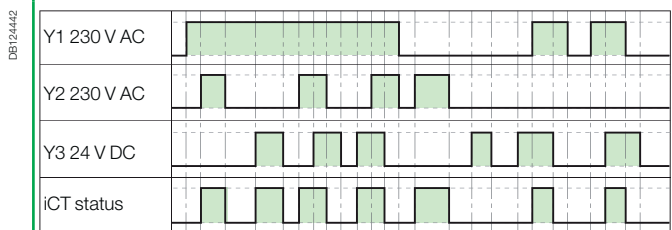
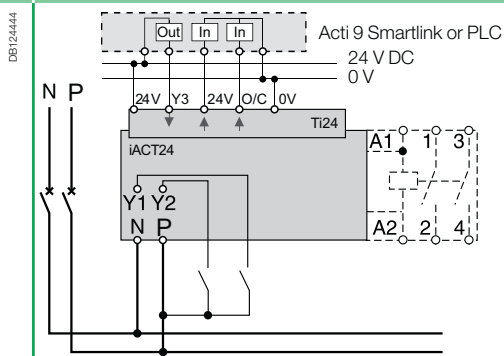
Parameter	Min	Max
T	100 ms	200 ms

- Minimum duration of 230 V AC pulse (Y2): 200 ms.
- 30 iACT24 closing or opening actuations are authorized per minute: Minimum time delay between 2 actuations on the iACT24 via Y1, Y2, Y3 (closing or opening of the iCT coil): 220 ms.
- 10 closing or opening actuations spaced 440 milliseconds apart are authorized following no loading of the iACT24 during a period of 20 seconds.

Wiring with exclusive selector 230 V AC control (Y1 = 0) / 24 V DC control (Y1 = 1)



Wiring for non-exclusive 230 V AC and 24 V DC controls



Consumption

iCT contactors - 50 Hz											
Type											
1P	Rating (In)		Control voltage (V AC) (50 Hz)	Consumption		Max. power					
	AC7a	AC7b		Holding	Inrush						
16 A	5 A		12	3.8 VA	15 VA	1.3 W	A9C22011				
			24	3.8 VA	15 VA	1.3 W	A9C22111				
			48	3.8 VA	15 VA	1.3 W	A9C22211				
			220	3.8 VA	15 VA	1.3 W	A9C22511				
			230...240	2.7 VA	9.2 VA	1.2 W	A9C22711				
	25 A	8.5 A		220	3.8 VA	15 VA	1.3 W	A9C20531			
				230...240	2.7 VA	9.2 VA	1.2 W	A9C20731			
				2P							
				16 A	5 A		12	3.8 VA	15 VA	1.3 W	A9C22012
							24	3.8 VA	15 VA	1.3 W	A9C22112
48	3.8 VA	15 VA	1.3 W				A9C22212				
220	3.8 VA	15 VA	1.3 W				A9C22512				
230...240	2.7 VA	9.2 VA	1.2 W				A9C22712				
12	3.8 VA	15 VA	1.3 W				A9C22015				
24	3.8 VA	15 VA	1.3 W				A9C22115				
220	3.8 VA	15 VA	1.3 W	A9C22515							
230...240	2.7 VA	9.2 VA	1.2 W	A9C22715							
20 A	6.4 A		230...240	2.7 VA	9.2 VA	1.2 W	A9C22722				
25 A	8.5 A		24	3.8 VA	15 VA	1.3 W	A9C20132				
			48	3.8 VA	15 VA	1.3 W	A9C20232				
			220	3.8 VA	15 VA	1.3 W	A9C20532				
			230...240	2.7 VA	9.2 VA	1.2 W	A9C20732				
			220	3.8 VA	15 VA	1.3 W	A9C20536				
230...240	2.7 VA	9.2 VA	1.2 W	A9C20736							
40 A	15 A		220...240	4.6 VA	34 VA	1.6 W	A9C20842				
63 A	20 A		24	4.6 VA	34 VA	1.6 W	A9C20162				
			220...240	4.6 VA	34 VA	1.6 W	A9C20862				
100 A	-		220...240	6.5 VA	53 VA	2.1 W	A9C20882				
3P											
16 A	5 A		220...240	4.6 VA	34 VA	1.6 W	A9C22813				
25 A	8.5 A		220...240	4.6 VA	34 VA	1.6 W	A9C20833				
40 A	15 A		220...240	6.5 VA	53 VA	2.1 W	A9C20843				
63 A	20 A		220...240	6.5 VA	53 VA	2.1 W	A9C20863				
4P											
16 A	5 A		24	4.6 VA	34 VA	1.6 W	A9C22114				
			220...240	4.6 VA	34 VA	1.6 W	A9C22814				
			220...240	4.6 VA	34 VA	1.6 W	A9C22818				
20 A	6.4 A		220...240	4.6 VA	34 VA	1.6 W	A9C22824				
25 A	8.5 A		24	4.6 VA	34 VA	1.6 W	A9C20134				
			220...240	4.6 VA	34 VA	1.6 W	A9C20834				
			24	4.6 VA	34 VA	1.6 W	A9C20137				
			220...240	4.6 VA	34 VA	1.6 W	A9C20837				
			220...240	4.6 VA	34 VA	1.6 W	A9C20838				
40 A	15 A		220...240	6.5 VA	53 VA	2.1 W	A9C20844				
			220...240	6.5 VA	53 VA	2.1 W	A9C20847				
63 A	20 A		24	6.5 VA	53 VA	2.1 W	A9C20164				
			220...240	6.5 VA	53 VA	2.1 W	A9C20864				
			24	6.5 VA	53 VA	2.1 W	A9C20167				
			220...240	6.5 VA	53 VA	2.1 W	A9C20867				
			220...240	6.5 VA	53 VA	2.1 W	A9C20868				
100 A	-		220...240	13 VA	106 VA	4.2 W	A9C20884				

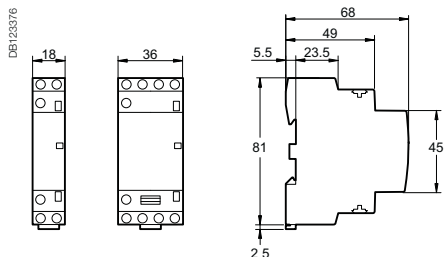
iCT contactors

Technical advice for iCT (cont.)

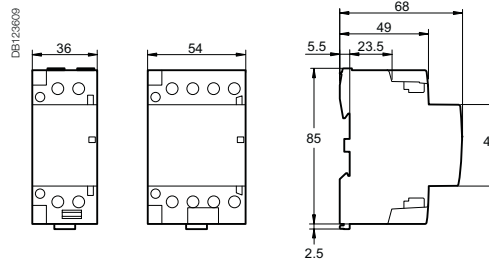
Consumption (cont.)

iCT manual control contactor 50 Hz							
Type							
2P	Rating (In)		Control voltage (V AC) (50 Hz)	Consumption		Max. power	
	AC7a	AC7b		Holding	Inrush		
16 A	5 A	220	2.7 VA	9.2 VA	1.2 W	A9C23512	
		230...240	2.7 VA	9.2 VA	1.2 W	A9C23712	
		220	3.8 VA	15 VA	1.3 W	A9C23515	
		230...240	2.7 VA	9.2 VA	1.2 W	A9C23715	
25 A	8.5 A	24	3.8 VA	15 VA	1.3 W	A9C21132	
		220	2.7 VA	9.2 VA	1.2 W	A9C21532	
		230...240	2.7 VA	9.2 VA	1.2 W	A9C21732	
40 A	15 A	24	4.6 VA	34 VA	1.6 W	A9C21142	
		220...240	4.6 VA	34 VA	1.6 W	A9C21842	
63 A	20 A	24	4.6 VA	34 VA	1.6 W	A9C21162	
		220...240	4.6 VA	34 VA	1.6 W	A9C21862	
3P							
25 A	8.5 A	220...240	4.6 VA	34 VA	1.6 W	A9C21833	
40 A	15 A	220...240	6.5 VA	53 VA	2.1 W	A9C21843	
4P							
25 A	8.5 A	24	4.6 VA	34 VA	1.6 W	A9C21134	
		220...240	4.6 VA	34 VA	1.6 W	A9C21834	
40 A	15 A	24	6.5 VA	53 VA	2.1 W	A9C21144	
		220...240	6.5 VA	53 VA	2.1 W	A9C21844	
63 A	20 A	24	6.5 VA	53 VA	2.1 W	A9C21164	
		220...240	6.5 VA	53 VA	2.1 W	A9C21864	

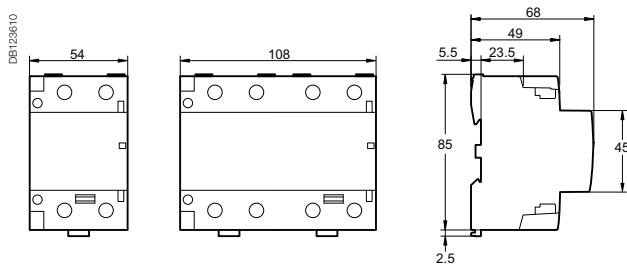
Dimensions (mm)



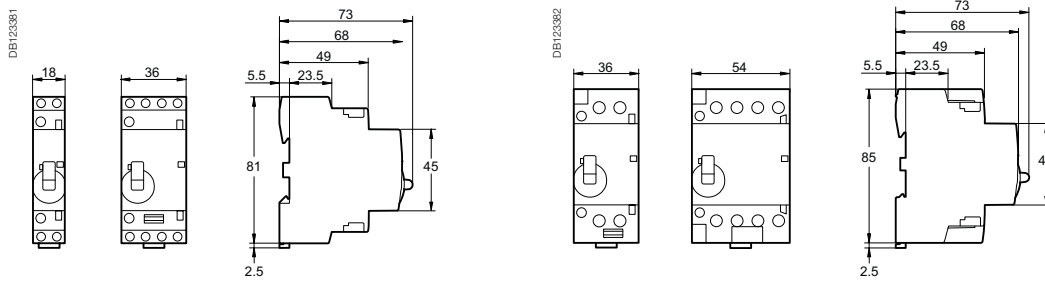
iCT 16/25 A



iCT 40/63 A

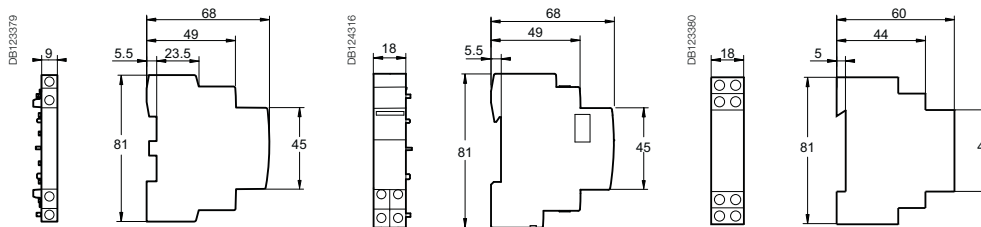


iCT 100 A



iCT manual control contactor 16/25 A

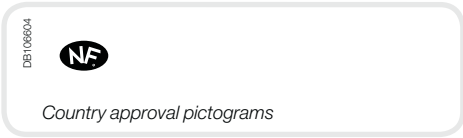
iCT manual control contactor 40/63 A



iACTs

iACT24

iATEt
iACTp
iACTc



iCT+ high-performance contactors allow remote control of single-phase circuits. They are designed for demanding applications.

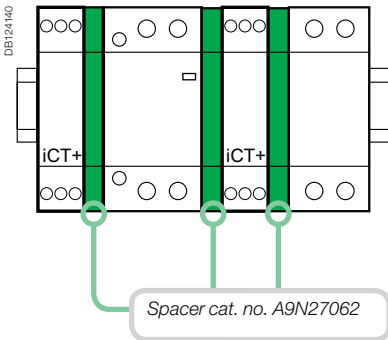
EN 60669-2-2

iCT+ high-performance contactors can be used for remote control of applications on AC networks:

- lighting, heating, ventilation, roller blinds, domestic hot water
- mechanical ventilation systems, etc.
- load shedding on non-priority circuits.



iCT+				
Type	Rating	Contact		Width in 9-mm modules
Standard 1P+N				
	20 A	1 NO	A9C15030	2+1 ⁽¹⁾
1P+N with manual control				
	20 A	1 NO	A9C15031	2+1 ⁽¹⁾



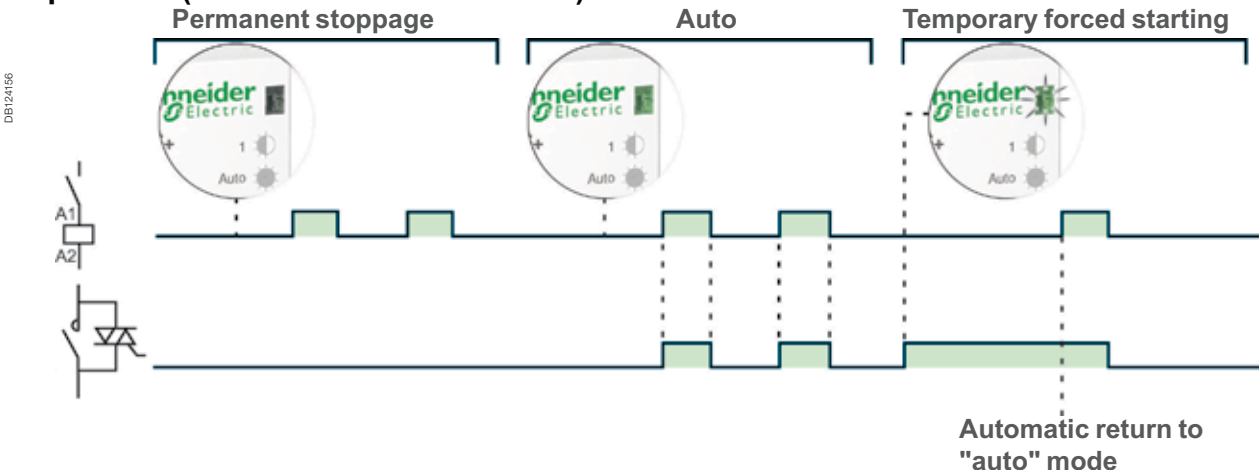
(1) Supplied with a 9 mm spacer (cat. no. **A9N27062**); to be used for mounting the iCT+ alongside a circuit breaker, contactor, impulse relay, etc., in order to maintain optimal operation.



It is compulsory:

- to connect the neutral
- to keep the same control circuit connection "A1: phase", "A2: neutral"
- to use the same phase for connection of the power and control functions.

Operation (manual-control contactor)



iCT+ high-performance contactors (cont.)

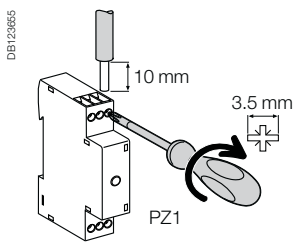
They combine the benefits of static switching and electromechanical technology: small size, little temperature rise.

PB137131+40

- Silent
- Large number of switching operations
- Green indicator on the front panel:
 - fixed green: auto operation
 - flashing green: temporary forced starting
 - extinguished: permanent stoppage
- Orange indicator: output contact closed
- Operating mode selection push button:
 - auto operation
 - temporary forced starting*
 - permanent stoppage
- Equivalent performances with all types of lamps
- No derating

Following a mains failure, the iCT+ returns to "auto" operating mode irrespective of its initial state.

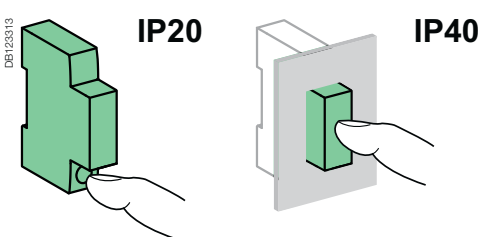
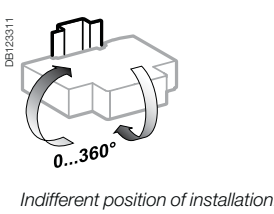
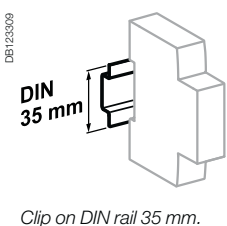
Connection



Type	Tightening torque	Copper cables	
		Rigid or flexible with ferrule	Rigid or flexible without ferrule
iCT+	1 N.m	DB123656 	DB123657
		2 x 1.5 mm ²	2 x 2.5 mm ² 1 x 4 mm ²

Technical data

Control circuit		
Coil voltage (U _c)		230 V AC (± 10 %)
Frequency		50 Hz
Inrush power		11 VA
Holding power		1.1 VA
Power circuit		
Voltage rating (U _e)		230 V AC (± 10 %)
Frequency		50 Hz
Electrical load	Minimum	20 W
	Maximum	3600 W
Max. number of switching operations per minute		6
Other characteristics		
Endurance (O-C)	Electrical	5.000.000 cycles
Pollution degree		3
Degree of protection (IEC 60529)	Device only	IP20
	Device in modular enclosure	IP40
Operating temperature		-5°C to +55°C
Storage temperature		-40°C to +60°C
Tropicalization (IEC 60068-1)		2 (relative humidity of 95 % at 55°C)



Weight (g)

High-performance contactors	
Type	iCT+
Standard 1P+N	70
1P+N with manual control	70