IHP, IH, IHH, ITA





> The digital yearly time switches



Selection table

The time switches control opening and closing of one or more separate circuits according to a programming pre-set by the user:

by memorisation of On and Off switching operations for the IHP and ITA digital time switches
 by positioning of jumpers or captive segments on a programming dial for the IH mechanical time switches.

An IHP, IH or ITA time switch is chosen according to the following criteria:

Designation	Number of channels	Cycle period (d: day)	Minimum time between 2 switching operations	Number of switching operations	Saving on mains cut off	Width (modules of 9 mm)	Override controls On / Off	Output contact changeover switch (cos φ =1)	Time changeover (summer / winter)
The 36 or 45 mm	digital time	switches							
IHP 1c	1	24 h and/or 7 d	1 min.	56	6 years	5	On / Off	16 A	Auto
IHP + 1c	1	24 h and/or 7 d	1 s	84	6 years	5	On / Off	16A	Auto
IHP 2c	2	24 h and/or 7 d	1 min.	56	6 years	5	On / Off	16A	Auto
IHP + 2c	2	24 h and/or 7 d	1 s	84	6 years	5	On / Off	16 A	Auto
IHP+ DCF 1c ⁽¹⁾	1	24 h and/or 7 d	1 s	84	10 years	4	On / Off	16A	Auto
The 18 mm digita	al time swite	ches							
IHP 1c 18 mm	1	24 h and/or 7 d	1 min.	56	10 years	2	On / Off	16 A	Auto
IHP + 1c 18 mm	1	24 h and/or 7 d	1 s.	84	10 years	2	On / Off	16 A	Auto
The 36 or 72 mm	digital year	'ly time sw	itches						
ITA 1c ⁽²⁾	1	24 h, 7 d, year	1 s	300	10 years	4	On/Off	16 A	Manual / Auto ⁽³⁾
ITA 4c ⁽²⁾	4	24 h, 7 d, year	1s	300	10 years	8	On/Off	16 A	Manual / Auto ⁽³⁾
The 54 mm mech	hanical time	switches							
IH 60mn 1c SRM	1	60 min.	37.5 s	48 On - 48 Off	none	6	On / Off	10 A	Manual
IH 24h 1c SRM	1	24 h	15 min.	48 On - 48 Off	none	6	On / Off	16 A	Manual
IH 24h 1c ARM	1	24 h	15 min.	48 On - 48 Off	200 h ⁽⁴⁾	6	On / Off	16 A	Manual
IH 24h 2c ARM	2	24 h	30 min.	24 On - 24 Off	150 h	6	On	16 A	Manual
IH 7j 1c ARM	1	7 days	2 h	42 On - 42 Off	200 h ⁽⁴⁾	6	On / Off	16 A	Manual
IH 24h + 7j 1+1c ARM	1+1	24 h + 7 days	45 min. + 12 h	16 On -16 Off + 7 On -7 Off	150 h	6	On	16 A	Manual
The 18 mm mech	nanical time	switches							
IHH 7j 1c ARM	1	7 days	2 h	42 On - 42 Off	100 h	2	On / Off	16 A	Manual
IH 24h 1c ARM	1	24 h	15 min.	48 On - 48 Off	100 h	2	On / Off	16 A	Manual
IH 24h 1c SRM	1	24 h	15 min.	48 On - 48 Off	none	2	On / Off	16 A	Manual

The IHP+ DCF 1c can be synchronised on the Frankfurt's DCF77 radio station via the DCF77 antenna.
 The ITA 1c and ITA 4c can be synchronised on the Frankfurt's DCF77 radio station via the DCF antenna for ITA or GPS antenna for ITA.

(3) Summer/Winter-Time can be set to auto without any antenna.
 (4) 110 h for 100 VAC supply voltage.

Back-lit display, random function and pulse programming	"Absence for holidays" function	Screwless connection	Mechanical compatibility with electrical distribution comb busbars	external control	Instruction manual holder on front face	Memory key supplied with the product	Cat. no.
	-	-	•		•		CCT15400 ⁽⁶⁾ , CCT15420 ⁽⁷⁾ , CCT15450 ⁽⁸⁾ , CCT15720 ⁽⁹⁾ , CCT15850 ⁽¹⁰⁾
+ Cycle programming		•		1 input			CCT15401 ⁽⁶⁾ , CCT15451 ⁽⁸⁾ , CCT15721 ⁽⁹⁾ , CCT15851 ⁽¹⁰⁾
	-	•	•		•		CCT15402 ⁽⁶⁾ , CCT15422 ⁽⁷⁾ , CCT15452 ⁽⁸⁾ , CCT15722 ⁽⁹⁾ , CCT15852 ⁽¹⁰⁾
+ Cycle programming	•	•		2 inputs	•	•	CCT15423 ⁽⁷⁾ , CCT15723 ⁽⁹⁾ , CCT15853 ⁽¹⁰⁾
+ Cycle programming	•	•		1 input		•	CCT15857
	•	•				(12)	CCT15854 ⁽¹¹⁾
+ Cycle programming	•	•		1 input		•	CCT15838 ⁽¹¹⁾
Back-lit display, pulse and cycle programming	■ ⁽⁵⁾					(13)	CCT15910
Back-lit display, pulse and cycle programming	■ ⁽⁵⁾			2 inputs		(13)	CCT15940
1	1		1	1	1		1
1	1	1.	1	1	1	1	CCT15338
							CCT16364
							CCT15365
							15337
							CCT15367
 							15366
		1	1		·		1
1		1		1	1	1	15331
							15336
							15335
					1		

(5) Function included and can be realized through special program entry.

(5) Function included and can be realized through special program entry.
(6) English, Russian, Ukrainian, Latvian, Lituanien, Estonian languages.
(7) English, Bulgarian, Greek, Slovene, Serbian, Croatian languages.
(8) English, Hungarian, Polish, Romanian, Czech, Slovak languages.
(9) French, English, Italian, Spanish, German, Portuguese languages.
(10) French, English, Italian, Spanish, German, Portuguese, Dutch languages.
(11) French, English, Italian, Spanish, German, Portuguese, Dutch languages.
(12) Memory key (CCT15861) is not supplied with IHP 1c 18 mm (CCT15854) but this memory key and the programming kit (CCT15860) can be used and operate on IHP 1c 18 mm (see "Accessories selection table").
(13) Memory key (CCT15955) is not supplied with ITA 1c/4c but this memory key and the programming kit (CCT15950) can be used and operate on ITA 1c/4c (see "Accessories selection table").

IHP, ITA

Selection	table	Programmable 1	time switches		
		IHP 1c	IHP2c	IHP+1c	IHP+2c
	P140628				
		Contraction of the local division of the loc	and the second s	Contract of the second	Contraction of the second seco
Function					
		 These time switches autor They operate on weekly cy They offer automatic summ The program can be overni They also offer holidays pr 	natically switch on and off load cle: the same program is repe ner/winter time change and al iden temporary or permanentl ogram, by configuring the star	ds according to the program entero aated week after week low to adjust it according to where y by pressing 2 keys on the produc ting and ending dates of the abse	ed by the user you are located ct nce.
				 A memory key and a programma nother IHP+ or to save the prog "Accessories selection table") Override control with switch or (1 external input for IHP+1c and 3) 	ming kit can be used to duplicate on ram created by the contractor (see r push-button via external input 2 externals inputs for IHP+ 2c)
Wiring diagrams		1			
					$ \begin{array}{c} $
Catalogue numbe	ers	CCT15400 ⁽¹⁾ CCT15420 ⁽²⁾ CCT15450 ⁽³⁾ CCT15720 ⁽⁴⁾ CCT15850 ⁽⁵⁾	CCT15402 ⁽¹⁾ CCT15422 ⁽²⁾ CCT15452 ⁽³⁾ CCT15722 ⁽⁴⁾ CCT15852 ⁽⁵⁾	CCT15401 ⁽¹⁾ CCT15451 ⁽³⁾ CCT15721 ⁽⁴⁾ CCT15851 ⁽⁵⁾	CCT15423 ⁽²⁾ CCT15723 ⁽⁴⁾ CCT15853 ⁽⁵⁾
Technical specifi	ications				
Voltage rating (Ue))	230 V AC, ±10 %, 50/60 Hz	230 V AC, ±10 %, 50/60 Hz	230 V AC, ±10 %, 50/60 Hz	230 V AC, ±10 %, 50/60 Hz
Consumption		0.8 W	0.8 W	0.8 W	0.8 W
Output contact	Cos φ = 1	16 A	16 A	16A	16 A
current (250 V AC)	$\cos \varphi = 0.6$	10 A	10 A	10 A	10 A
Degree of		IP20B	IP20B	IP20B	IP20B
Operating tempore	ature	-10°C to +50°C	-10°C to +50°C	-10°C to +50°C	-10°C to +50°C
Time accuracy		± 1 s per day at 20°C	± 1 s per day at 20°C	± 1 s per day at 20°C	± 1 s per day at 20°C
Program saving	Lifetime	6 years	6 years	6 years	6 years
and time by lithium battery	Back-up time, cumulated mains cut off	6 years	6 years	6 years	6 years

(1) English, russian, ukrainian, latvian, lituanien, estonian. (2) English, bulgarian, greek, slovene, serbian, croatian. (3) English, hungarian, polish, romanian, czech, slovak. (4) French, english, italian, spanish, german, portuguese. (5) French, english, swedish, dutch, finnish, norwegian/danish.



(6) French, english, italian, spanish, german, portuguese, dutch. (7) Thanks to the synchronisation on the DCF Frankfurt's DCF77 radio station via the DCF antenna or GPS antenna.

ІН, ІНН

Selectio	on table	Mechanical time	switches		
		IH 60mn 1c SRM	IH 24h 1c SRM	IH 24h 1c ARM	IH 24h 2c ARM
	0989114	Figure 1	Contraction of the second seco	Piletie	Part of Portage
Function					
		 They operate on hourly, daily or week after week (IH 7j, (IHH The program can be override 	y or weekly cycle: the same progr 7j) en On	am is repeated hour after hour (IF	l 60mn), day after day (IH 24h)
Wiring diagra	ms				
				00746266	
	nbers	CC115338	CC116364	CC115365	15337
Voltage rating (Ue)	230 V AC +10 %, -15%, 50 Hz	230 V AC +10 %, -15%, 50/60 Hz	110-230 V AC +10 %, -15%, 50/60 Hz	230 V AC +10 %, -15%, 50/60 Hz 2 5 V/A
Output contact	$\cos \phi = 1$	10 A	16A	16A	16A
current under 250 VAC	Cos φ = 0.6	4A	4 A	4 A	4A
Degree of prote	ection	IP20B	IP20B	IP20B	IP20B
Operating temp	perature	-20°C to +55°C	-20°C to +55°C	-20°C to +55°C	-20°C to +55°C
Time accuracy		±1 s per day at 20°C	±1 s per day at 20°C	±1 s per day at 20°C	±1 s per day at 20°C
of program and time by lithium battery	Back-up time, cumulated mains cut off	-	-	200 h with 230 V AC 100 h with 100 V AC	150 h
Programming by:	Jumpers (supplied)	-	-	-	4 red + 4 green + 2 white
	Captive segments	96	96	96	-

	IH 24h + 7j 1+1c ARM	IH 7j 1c ARM	IH24h 1c SRM 18 mm	IH 24h 1c ARM 18 mm	IHH 7j 1c ARM 18 mm
P111619	Contraction of the second seco	PHI64		A CONTRACT OF STREET	

15366	CCT15367	15335	15336	15331
230 V AC +10 %, -15%,	110-230 V AC +10 %, -15%,	230 V AC, ±10 %,	230 V AC, ±10 %,	230 V AC, ±10 %,
50 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
2.5 VA	2.5 VA	2.5 VA	2.5 VA	2.5 VA
16 A	16 A	16 A	16 A	16 A
4 A	4 A	4A	4 A	4 A
IP20B	IP20B	IP20B	IP20B	IP20B
-20°C to +55°C	-20°C to +55°C	-10°C to +50°C	-10°C to +50°C	-10°C to +50°C
±1 s per day at 20°C	±1 s per day at 20°C	±1 s per day at 20°C	±1 s per day at 20°C	±1 s per day at 20°C
6 years	6 years	10 years	10 years Exchangeable battery	10 years Exchangeable battery
 150 h	200 h with 230 V AC 100 h with 110 V AC	-	100 h	100 h
6 yellow (24 h), 12 blue + 2 red (7 days)	-	-	-	-
-	84	96	96	84

IHP, IH, IHH, ITA

Accessories selection table	Programming kits	for PC	Memory keys		
	IHP+	ITA	IHP+	ITA	
089564	Protect	Schneider	P140494		
Function				·	
	Consists of a programming device, a memory key, a CDROM and a 2 m USB cable For IHP+ 1c/2c, IHP 1c 18 mm, IHP+ 1c 18 mm	Consists of a programming device, a CDROM and a 1.5 m USB cable For ITA 1c and ITA 4c	Saving and duplicating proc For IHP+ 1c/2c, IHP 1c 18 mm, IHP+ 1c 18 mm IHP+ DCF 1c	prams For ITA 1c and ITA 4c	
Mounting					
	-		Located on front face		
Catalogue numbers	CCT15860	CCT15950	CCT15861	CCT15955	
				•	
Technical spécifications					
Degree of protection	-		-	-	
Operating temperature	-		-	-	

Specific technical data

IHP+ 1c, IHP+ 2c, IHP+ DCF 1c				
Manual functions	Temporary cancellation of programming for holidays, public holidays, etc. by configuration of the 2 dates - start and end of absence			
	Simulation of presence thanks to random operation during On periods			
Pulse functions	Programming of pulses adjustable from 1 to 59 s (pulse takes priority over switching)			
Back-lighting of the screen				
External input (only for IHP+ 1c, IHP+	2c)			
External inputs for external control with a standard switch or a push-button	1 input for IHP+ 1c 2 inputs for IHP+ 2c			
Voltage rating (Ue)	230 VAC, +10 %, -15 %			
Frequency	50/60 Hz			
Input current	≤1.2 mA			
Consumption	≤0.3 mW			
Cable length	≤ 100 m			
(2) The ITA 1c and ITA 4c can be syncl	nronised on the Frankfurt 's DCF77 radio station via the DCF or GPS antenna			
Automatic on commissioning, then at 1 a	m, 2 am, 3 am and 4 am every day			
Manual by pressing the IHP or ITA keys c	r after a "reset"			
Displayed on the screen by the letters RC				
Programming of pulses adjustable from 1	to 59 s (pulse takes priority over switching)			

	Antennas			Additional jumpers
	DCF77 antenna for IHP+ DCF	DCF antenna for ITA	GPS antenna for ITA	IH jumpers
P135728	3940Hd	Hand	spectra over	
	Antenna for IHP+ DCF 1c	Antenna for ITA 1c and ITA 4c	Antenna for ITA 1c and ITA 4c	They are used to program a larger number of sequences for: ■ IH 24h 2c ARM (15337) ■ IH 24h + 7j 1+1c ARM (15366)
	 10 IHP+ DCF 1c maximum per antenna, maximum distance between the IHP+ DCF 1c and the antenna: 100 m Outside the electrical switchboard, outdoors, under shelter 	 10 ITA maximum per antenna, maximum distance between the ITA and the antenna: 200 m Outside the electrical switchboard, outdoors, under shelter 	 10 ITA maximum per antenna, maximum distance between the ITA and the antenna: 200 m Outside the electrical switchboard, outdoors, under shelter 	1 bag containing: 5 red 5 green 5 white 5 yellow
	MTN6606-0070	CCT15960	CCT15970 ⁽¹⁾	15341
	×			
	IP54	IP54	IP54	
	I -20 °C to +70 °C	-20 °C to +50 °C	-30 °C to +55 °C	-

⁽¹⁾ external 12-30 V DC power supply needed

ITA 1c, ITA 4c					
Switching functions	On, Off, pulse, cycle, yearly program				
Pulse lenght pulse function (switching time)	s to 59 min 59s				
Pulse lenght timer (manual switching)	1 s to 9 h 59 min 59 s				
Pulse/pause length cycle	1 s to 9 h 59 min 59 s				
Minimum interval	1 min				
External inputs (only for ITA 4c)					
External inputs for external control with a standard switch or a push-button	2 inputs : Ext1 input: supplied with 230 VAC, ±10%- 50/60 Hz Ext2 input Ext2: potential free				
Antennas	DCF-ITA	GPS-ITA			
Power supply	Via time switch (without battery)	External 12 - 30 V DC			
Output	Protocole DCF	DCF time telegraph (no weather data)			
Receiver	Narrowband-heterodyne receiver	-			
Operation indicator	Flashing LED on receiving	Flashing LED on receiving			

Praticle advices

Programming principle

For the digital time switches, this consists of memorising the days and times

of the required switching operations.

■ For the mechanical time switches, this is performed by positioning captive segments or jumpers on a switching dial.

Example

Controlling an air conditionner in a hairdressing salon:

	Monday (1)	Tuesday	Wednesday	Thursday (2)	Etc.	
On n° 1		08 h 30	08 h 30	08 h 30		Switch on
Off n° 1		12 h 00	12 h 00			Switch off
On n° 2		13 h 30	13 h 30			Switch on
Off n° 2		20 h 00	20 h 00	20 h 00		Switch off

⁽¹⁾ Closed on Mondays

(2) Non-stop

Programming by copying or blocks

Whenever identical switching operations are found at the same times, several days in the week, this function lets you program these operations once only. In this case a single switching operation is used. If this function is used wisely, the number of possible switching operations can be greatly increased.

Example



Number of switching operations

Designation	Number of switching operations
IHP 1c	56
IHP + 1c	84
IHP+ DCF 1c	84
IHP 2c	56
IHP + 2c	84
IHP 1c 18 mm	56
IHP + 1c 18 mm	84
ITA 1c, ITA 4c	300
IH 24h 1c ARM	48 On - 48 Off
IH 24h 1c SRM	48 On - 48 Off
IH 60mn 1c SRM	48 On - 48 Off
IH 24h 1c SRM	48 On - 48 Off
IH 24h 1c ARM	48 On - 48 Off
IH 24h 2c ARM	24 On - 24 Off
IH 7j 1cARM	42 On - 42 Off
IH 24 h + 7j 1+1c ARM	16 On - 16 Off + 7 On - 7 Off

Saving on mains cut off

For digital switches equipped with this function, a lithium battery is used for saving. The program, date and time are preserved. Switching operations are not performed.

Lets you control starting and stopping of a group of loads according to a cycle that is repeated every 60 minutes.

Lets you control starting and stopping of one or

is repeated, in identical manner, every day of the

week.

two groups of loads according to a daily cycle that

60 min. time programming

Example

Controlling automatic watering			
On n° 1	2 min. 30 s		
Off n° 1	5 min.		
On n° 2	25 min.		
Off n° 2	37 min. 30 s		

Relevant time switches IH 60mn 1c SRM.

24 h daily programming

Example

Controlling a door of a block of flats:

□ from 8 am to 7.30 pm: contact on "On", free access,

□ from 7.30 pm to 8 am the next day: contact on "Off", access by confidential code every day of the week:

	From Monday to Sunday
On n° 1	8 am
Off n° 1	7.30 pm

Relevant time switches

- IH 24h 1c SRM/ARM.
- IH 24h 2c ARM.
- IHP 1c 18 mm.
- IHP + 1c 18 mm.
- IHP+ DCF 1c.
- IHP 1c, IHP + 1c. ■ IHP 2c, IHP + 2c.
- IHP 2C, IHP + 2C ■ ITA 1c, ITA 4c.
- 11A 1C, 11A 4C.

7 days weekly programming

Example

Controlling an air conditionner in a hairdressing salon:

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
On n° 1		09 h 00	09 h 00	09 h 00		
Off n° 1		12 h 00	12 h 00			
On n° 2		14 h 00	14 h 00			
Off n° 2		20 h 00	20 h 00	20 h 00		
On n° 3					8 h 30	8 h 30
Off n° 3					12 h 30	12 h 30
On n° 4					14 h 30	14 h 30
Off n° 4					21 h 00	21 h 00

Relevant time switches

- IH 7j 1c ARM.
- IHP 1c, IHP + 1c.
- IHP 2c, IHP + 2c.
- IHP 1c 18 mm.
- IHP + 1c 18 mm.
- IHP+ DCF 1c.
- ITA 1c, ITA 4c.

Lets you control starting and stopping of one to 4 groups of loads according to a weekly cycle, that can be different each day, repeated each week.

Lets you control by pulses (adjustable from 1 to 59 s) one to four groups of loads (pulse relays, bells, etc.).

Pulse programming

Example

■ Automatic controlling of bells, lighting and distribution of food: bells sounding the resumption and finish of work (channel 1), lighting of premises (channel 2), feeding fish in the aquarium (channel 3):

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Channel 1: bell (20 s pulse order)							
On	08 h 00	08 h 00	08 h 00	08 h 00	07 h 00	09 h 00	-
Duration	20 s	20 s	20 s	20 s	20 s	20 s	-
On	12 h 00	12 h 00	12 h 00	12 h 00	11 h 00	13 h 00	-
Duration	20 s	20 s	20 s	20 s	20 s	20 s	-
On	14 h 00	14 h 00	14 h 00	14 h 00	13 h 00	-	-
Duration	20 s	20 s	20 s	20 s	20 s	-	-
On	18 h 00	18 h 00	18 h 00	18 h 00	16 h 00	-	-
Duration	20 s	20 s	20 s	20 s	20 s	-	-
Channel 2	: lighting (la	tched order)				
On	07 h 30	07 h 30	07 h 30	07 h 30	06 h 30	08 h 30	-
Off	18 h 30	18 h 30	18 h 30	18 h 30	17 h 00	13 h 30	-
Channel 3: aquarium (15 s pulse order)							
On	10 h 00	-	10 h 00	-	10 h 00	-	10 h 00
Duration	15 s	-	15 s	-	15 s	-	15 s

Programming

Programming of a pulse takes up 2 memory spaces.

• Combination of the two order types (pulse and latched) is possible on the same channel.

Relevant time switches

- IHP + 1c.
- IHP + 1c 18 mm.
- IHP+ DCF 1c.
- IHP + 2c.
- ITA 1c, ITA 4c.

Lets you create special programs for dated days.

Programming special days.

Example

Controlling lighting and heating in a school:

□ basic programming: program lighting (channel 1) and heating (channel 2):

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Channel 1	: lighting						
On	07 h 00	07 h 00	07 h 00	07 h 00	07 h 00	-	-
Off	20 h 00	20 h 00	16 h 00	20 h 00	16 h 00	-	-
Channel 2: heating							
On	06 h 00	06 h 00	06 h 00	06 h 00	06 h 00	-	-
Off	18 h 00	18 h 00	12 h 00	18 h 00	12 h 00	-	-

□ dated programming: periods of non-operation, school holidays, etc. Just memorise an Off at the start and another Off at the end of each period of absence:

		Holidays				
		Winter	Spring	Summer	Autumn	End of year
Channe	I 1: lighting					
Off	Date	20 feb.	17-apr	07-july	23 oct.	18 dec.
	Time	12 h 00	17 h 00	12 h 00	17 h 00	12 h 00
Off	Date	08-march	03-may	9 sept.	2 nov.	4 jan.
	Time	01 h 00	01 h 00	01 h 00	01 h 00	01 h 00
Channe	I 2: heating					
Off	Date	20 feb.	17-apr		23 oct.	18 dec.
	Time	12 h 00	17 h 00		17 h 00	12 h 00
Off	Date	08-march	03-may		2 nov.	4 jan.
	Time	01 h 00	01 h 00		01 h 00	01 h 00

Relevant time switches ■ ITA 1c, ITA 4c.

Load tabl	е									
Type of lighting (230 V AC)		Max. power (for higher power, relay with a contactor)								
		IHP 45 mm	IHP 18 mm	IHP+ 18 mm	IHP+DCF 36 mm	IH 18 mm	IH 54 mm	ITA		
Incandescent and	d halogen lamps	2600 W	1000 W	2000 W	2600 W	1000 W	1000 W	2000 W		
LED lamps	Power for one lamp < 2 W	30 W	6 W	55 W	30 W	15 W	5 W	200 W		
	Power for one lamp from 2 to 8 W	100 W	20 W	180 W	100 W	50 W	15 W	200 W		
Non-corrected / s mounted fluoresc conventional balla	erial-corrected / dual ent tubes with ast	2300 VA	1000 VA	2000 VA	1000 VA	700 VA	600 VA	1000 VA		
Parallel corrected fluorescent tubes with conventional ballast		730 W (80 µF)	80 W (14 μF) 2 x 40 W (4.7 μF) 2 x 58 W (7 μF)	1300 W (140 µF)	730 VA (80 µF)	400 W (37 µF)	80 W (12 µF)	550 VA		
Fluocompact lam ballast	ps with electronic	170 W	30 W	300 W	22 x 7 W, 18 x 11 W, 16 x 15 W, 16 x 20 W, 14 x 23 W	80 W	25 W	200 W		

Connection



Туре		Tightening torque	Copper cables		
			Rigid	Flexible or with ferrule	
			Ð		
IHP	1c, 2c, +1c, +2c	2 screwless / pole	2 x 2.5 mm ²	2 x 2.5 mm ²	
IHP 18 mm	1c, +1c	2 screwless / pole	2 x 2.5 mm ²	2 x 2.5 mm ²	
IHP+	DCF 1c	2 screwless / pole	2 x 2.5 mm ²	2 x 2.5 mm ²	
IH	60mn 1c SRM	2 screwless / pole	2 x 2.5 mm ²	2 x 2.5 mm ²	
	24h 1c SRM, ARM	2 screwless / pole	2 x 2.5 mm ²	2 x 2.5 mm ²	
	24h 2c ARM	1.2 N.m	≤ 6 mm ²	≤ 6 mm ²	
	7j 1cARM	2 screwless / pole	2 x 2.5 mm ²	2 x 2.5 mm ²	
	24h + 7j 1+1c ARM	1.2 N.m	≤ 6 mm ²	≤ 6 mm ²	
IH 18 mm	24h 1c SRM/ARM	1.2 N.m	≤ 6 mm ²	≤ 6 mm ²	
IHH 18 mm	7j 1cARM	1.2 N.m	≤ 6 mm ²	≤ 6 mm ²	
ITA 1c, ITA	4c	1.2 N.m	≤ 6 mm ²	≤ 6 mm ²	

IHP 1c/2c, IHP+ 1c/2c are mechanical compatible with electrical distribution comb busbar.

Weight (g)

1c/2c	170/205	
1c/2c	190/211	
1c / +1c	90	
1c	244	
60mn 1c SRM	208	
24h 1c SRM/ARM	212/119	
24h 2c ARM	216	
7j 1c ARM	119	
24h + 7j 1+1c ARM	223	
24h 1c SRM / ARM	97	
7j 1c ARM	101	
	152	
	303	
	1c / 2c 1c / 2c 1c / +1c 1c 60mn 1c SRM 24h 1c SRM/ARM 24h 2c ARM 7j 1c ARM 24h + 7j 1+1c ARM 24h 1c SRM / ARM 7j 1c ARM	1c / 2c 170/ 205 1c / 2c 190/ 211 1c / +1c 90 1c 244 60mn 1c SRM 208 24h 1c SRM/ARM 212 / 119 24h 2c ARM 216 7j 1c ARM 119 24h + 7j 1+1c ARM 223 24h 1c SRM / ARM 97 7j 1c ARM 101 152 303

Dimensions (mm)

IHP time switches



5P (45 mm) IHP1c, IHP2c, IHP+1c, IHP+2c

IHP+ DCF 1c



4P (36 mm) IHP+ DCF 1c

IH, IHH time switches



2P (18 mm) IH 24h 1c SRM/ARM IHH 7j1c ARM

ITA yearly time switches





DCF antenna and GPS antenna for ITA

45





Schneider Gelectric



DCF77 antenna for IHP+ DCF 1c







45

6P (54 mm) IH 24h 2c ARM, IH 24h +7j 1+1c ARM



-22

-16

45

6P (54 mm) IH 60mn 1c SRM, IH 24h 1c SRM/ARM IH 7j 1c ARM

Version: 4.2

Time switches

IHP, IH, IHH, ITA (cont.)



4.2	19/01/2015	Changed table values page 4, 5 and 7	Sedoc
4.1	5/11/2014	Changed IHP+ DCF 1c and DCF antenna - IHP+ 1c 18 mm product (CCT15837 to CCT15838) - Added load table	Sedoc
4.0	26/08/2013	ITM 4c-6E replaced by ITA 1c and ITA 4c	Arriba
3.0	13/01/2012	Changed IHP 18 mm - Texts and photos	Sedoc
2.0	19/05/2011	InDesign CS5	Sedoc
1.0	30/03/2011	Creation	Sedoc
Indice	Date	Modification	Name