

2CSC400003B0201







# Summary

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**Introduction**

**1**

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**2**

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The ABB Line Protection Devices quality system is conforming with the ISO 9001 Vision 2000

international Standard (model for quality assurance as regards design, development, construction, installation and service) and to the equivalent EN ISO 9001 European Standard.

ABB commitment to protecting the environment is also shown in concrete way by the Life Cycle Assessments of the products, which is being realized directly by ABB Research and Development.

All the products of Compact Home range are conforming to the European standards 2002/95/CE regarding the restrictions on the use of certain dangerous substances in the electrical and electronical equipments.

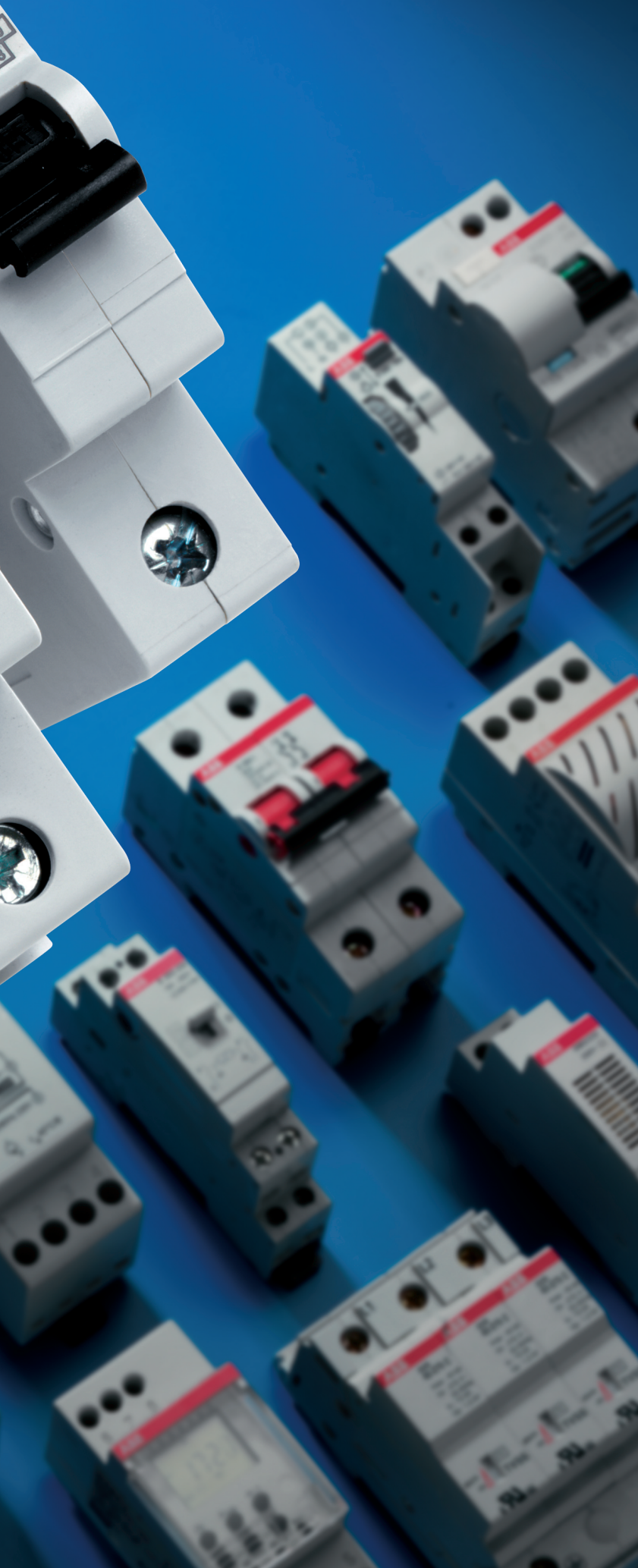
It is necessary to respect the local regulations concerning the elimination of the packaging materials and of the circuit-breakers and, if possible, to recycle them.

The symbol  marked on the product means that the circuit breaker must not be eliminated together with the general litter.





# Compact Home



All Compact Home devices comply to European and international product standards:

- IEC/EN 61008 (RCCBs)
- IEC/EN 61009 (RCBOs)
- IEC/EN 60898 (MCBs)
- IEC/EN 60947-3 (Switches)
- IEC/EN 60669-1 (Dimmers)
- IEC/EN 61643-11 (SPDs)
- IEC/EN 60730-1 (Timers)
- IEC/EN 61558-1-2-8 (Transformers)
- IEC/EN 60439-1 (Busbars)

They are also conforming to the following EC directives:

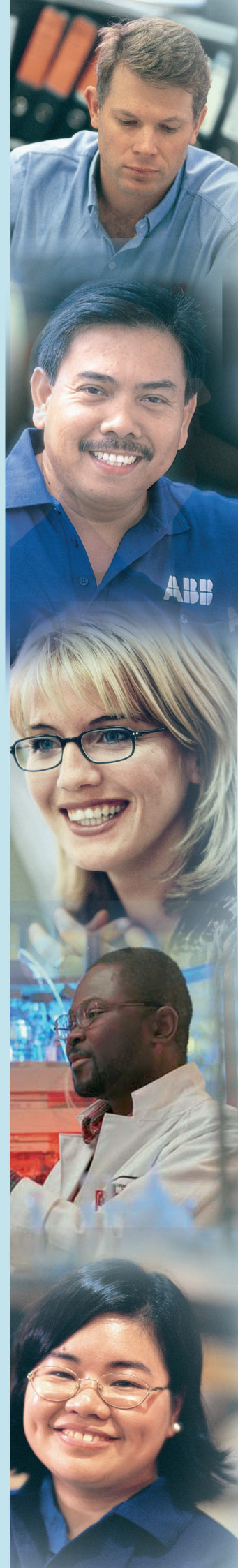
- Low Voltage Directives (LVD) no. 73/23 EEC
- Electromagnetic Compatibility Directive (EMC) no.89/336 EEC and 92/31 EEC

CE marking of Compact Home devices warrants free circulation and sale in European Union. It is realized on supplier's responsibility, in addition to this marks and approvals, guarantee functioning, compatibility and safety conforming to national and international Standards.

ABB Compact Home RCDs also obtained the following national and international approvals:



Thanks to these approvals, the devices can be used without restriction as devices for the world market.





# Compact Home Introduction

1

Family: F 200 = RCCBs  
 H for HOME  
 N° of poles: 2; 4  
 Type: AC, A

Sensitivity: 0,03A, 0,1A...

Current: 25A; 40A; 63A

Indication of device's rated voltage:  $U_n = 230V \sim$

Indication of short circuit coordination performance:  $I_m = I_{\Delta m} = 1000A$   
 $I_m = I_{b,m} = 1000A$   
 $I_{nc} = 6000kA$  with a gL 63A fuse

Wiring diagrams to prevent from a wrong connection

Failsafe bi-directional cylinder-lift terminal at top and bottom

Indication of the marks and approvals the devices have been obtained

Test button to be tested monthly

Home to identify Compact Home range

Laserprint on side of mounting instruction and of the symbol  $\times$  which means that the circuit-breaker must be thrown away separately

Black toggle to identify Compact Home range

ABB identity number for a quickly identification of the product



for more information about this products, see the technical catalogue



# Compact Home Introduction



Cage terminals up and bottom

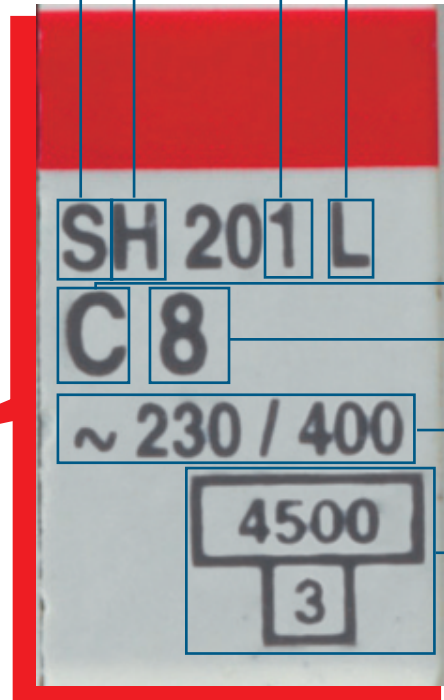
Family: S 200 = MCBs

H for HOME

N° of poles:  
1; 1+N; 2; 3; 3+N; 4

Breaking capacities:  
T=3kA, L=4.5kA,  
no-one=6kA

Wiring diagrams to prevent wrong connection on all pole versions

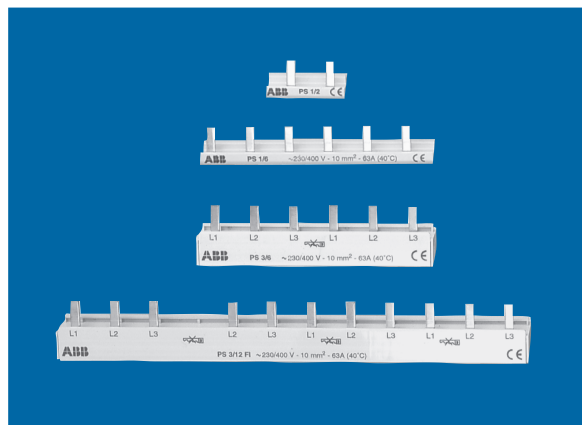


Characteristic: B, C

Rated current:  
6A; 10A; ... 63A

Indication of MCB rate voltage

Indication of MCB breaking capacity and limitation class



for more information about this products, see the technical catalogue







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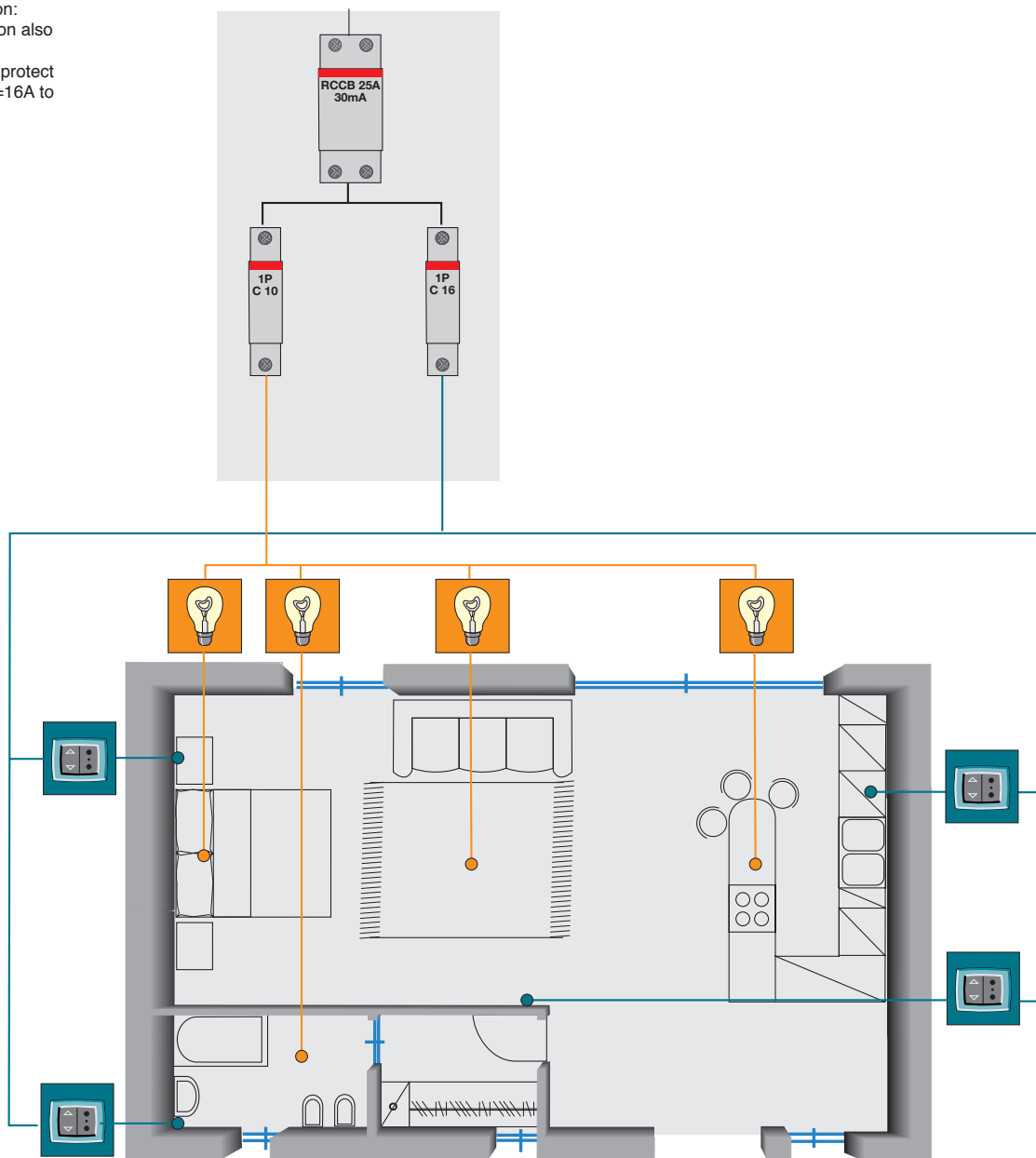
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## Compact Home Application sheets

### Basic solution for consumer units installed in a little flat (<math><35\text{ m}^2</math>)

The simplest possible solution:  
1 RCCB  $I_{\Delta n}=30\text{mA}$ : protection also against direct contacts  
2 MCBs: one with  $I_n=10\text{A}$  to protect lights circuit and one with  $I_n=16\text{A}$  to protect sockets circuit

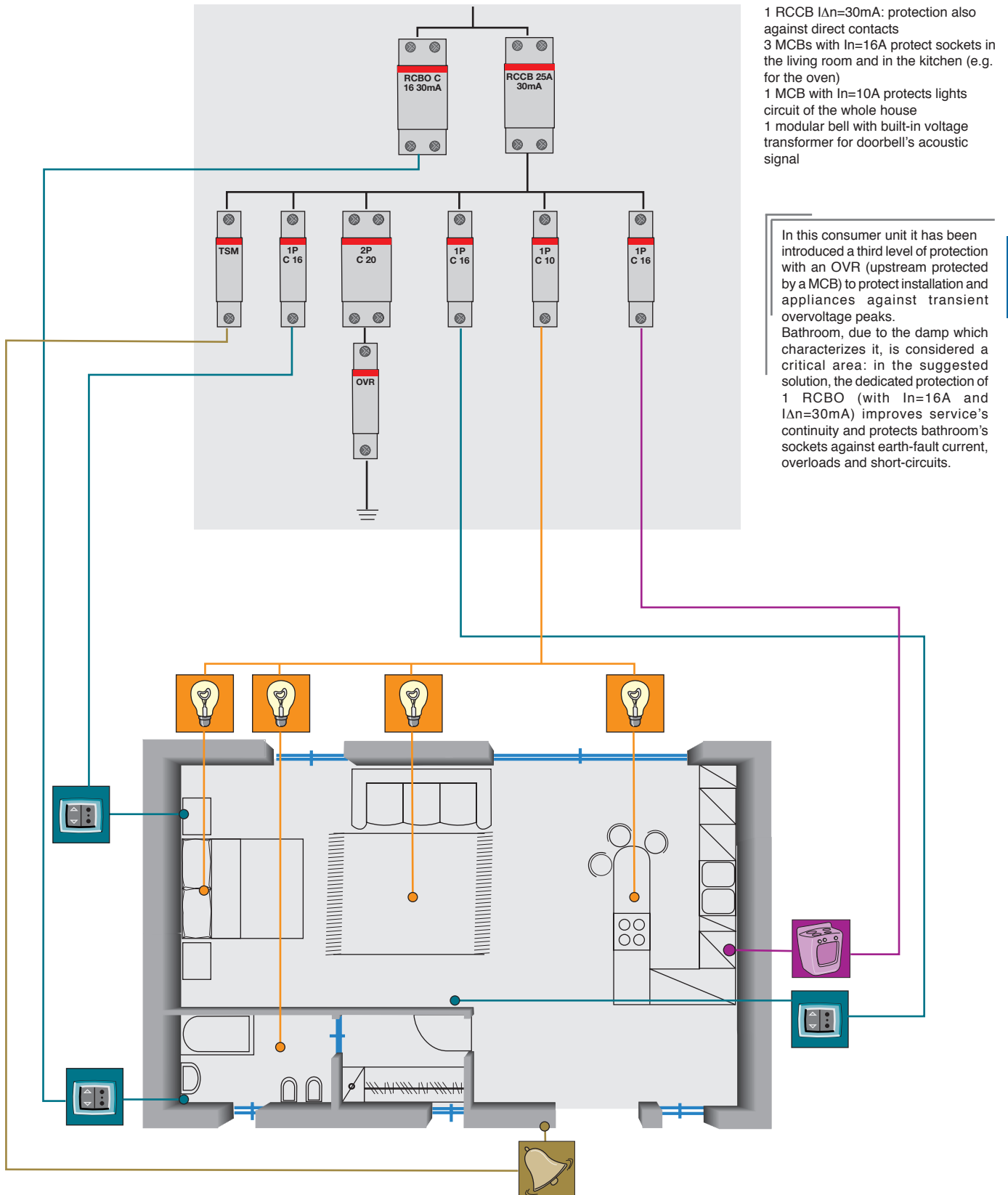
2





# Compact Home Application sheets

## Advanced solution for consumer units installed in a little flat (<35 m<sup>2</sup>)



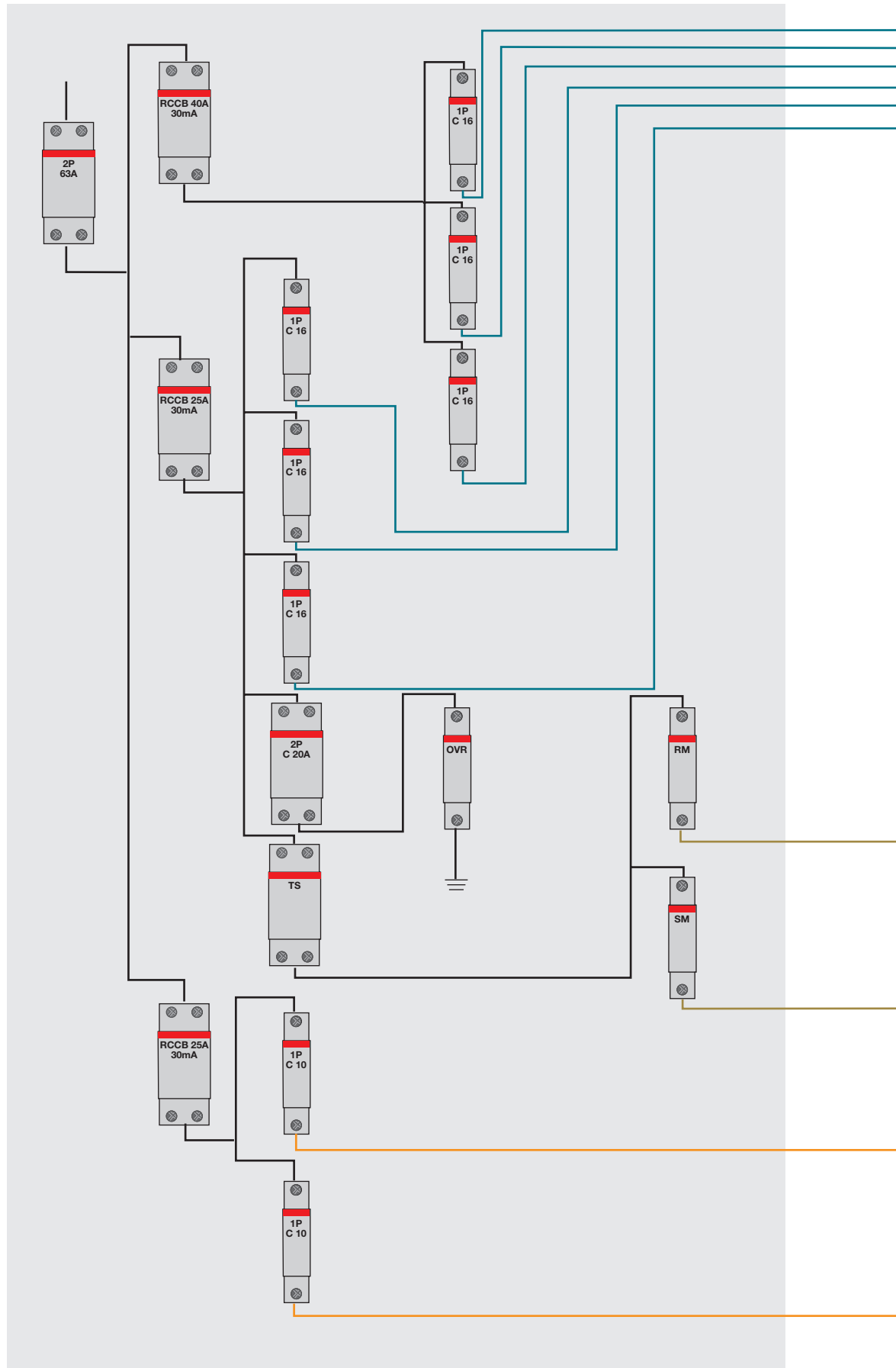
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# Compact Home Application sheets

## Basic solution for consumer units installed in a big flat (between 35 and 100 m<sup>2</sup>)

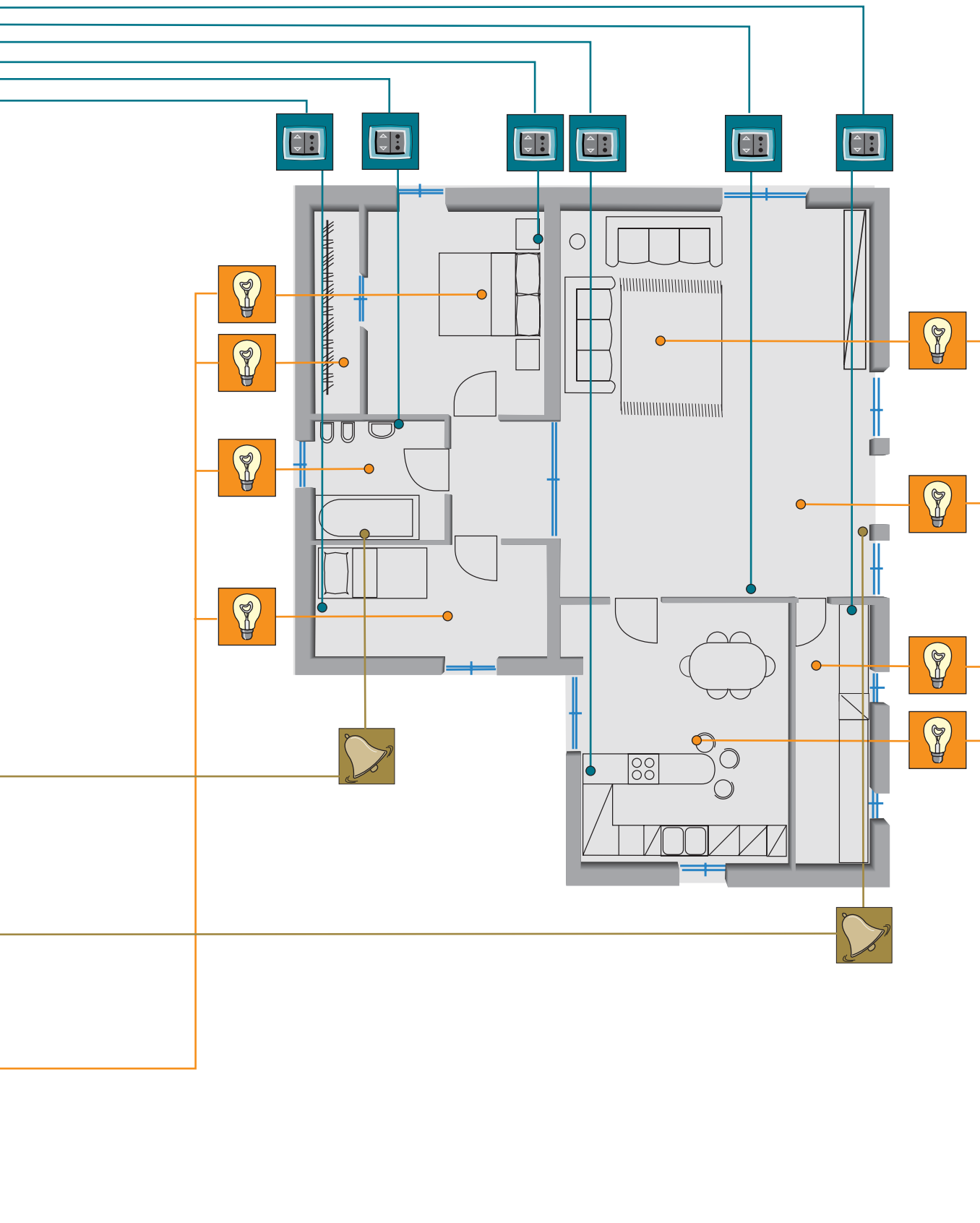
- 1 MCB used as main switch of the consumer unit
- 3 RCCBs: one with In=40A protects sockets circuit of the living room, kitchen and laundry-room and two with In=25A protect respectively sockets circuit of the bedrooms and bathroom and lights circuit of the whole house
- 2 MCBs In=10A protect lights circuits of bedrooms and bathroom separately from lights circuits of the rest of the house
- 6 MCBs In=16A (3 per RCCB) protect sockets
- 1 OVR protects against transient overvoltage peaks

In this consumer unit has been introduced some typical function in a modular shape: a voltage transformer (TS) supplies a bell (SM) for doorbell's acoustic signal and a buzzer (RM) for emergency acoustic signal in the bathroom.



# Compact Home Application sheets

Basic solution for consumer units installed in a big flat (between 35 and 100 m<sup>2</sup>)

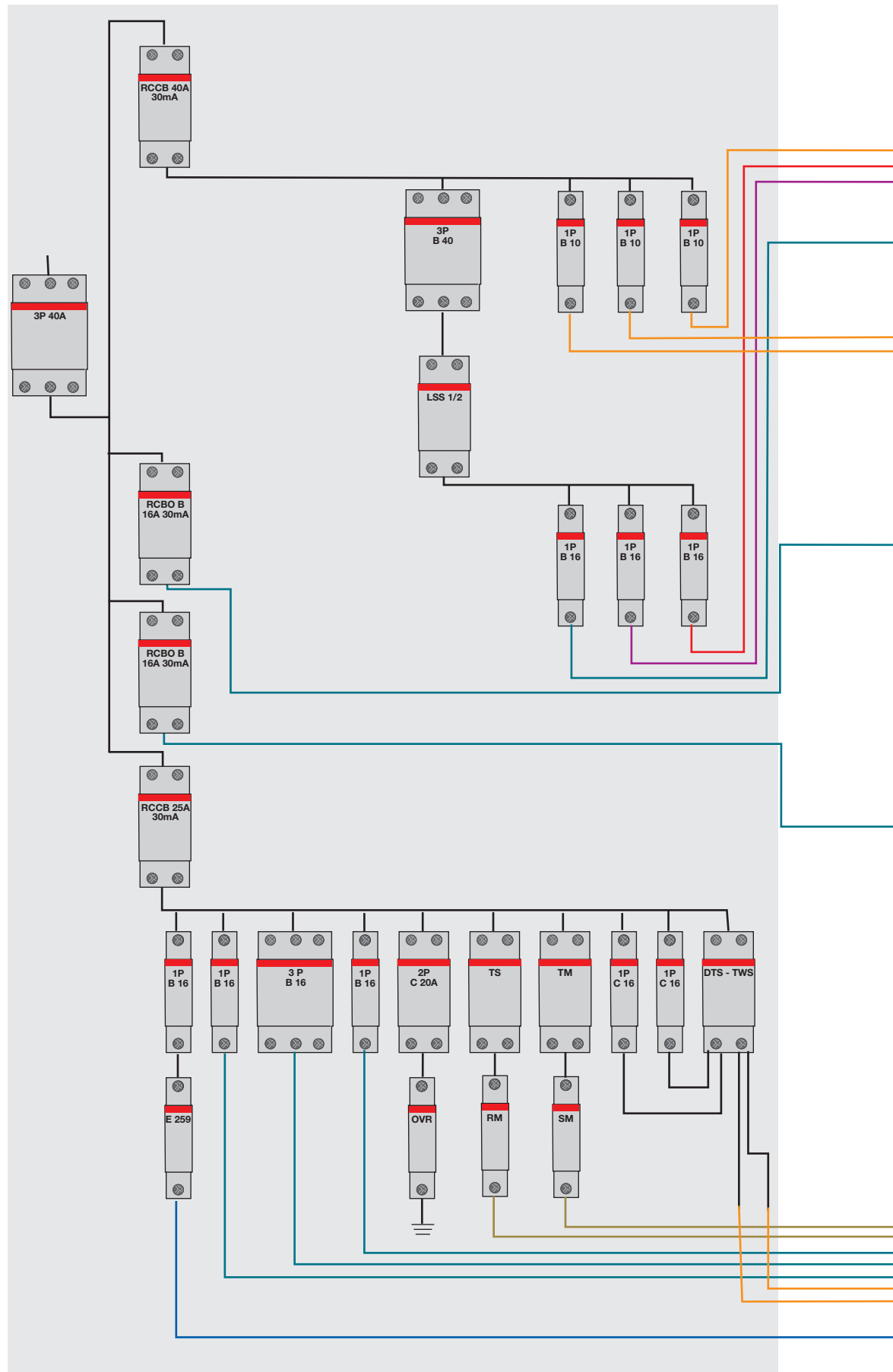


# Compact Home Application sheets

## Advanced solution for consumer units installed in a big flat (between 35 and 100 m<sup>2</sup>)

- 1 MCB used as main switch of the consumer unit
- 2 RCCBs: one with In=40A protects sockets circuit and electric household appliances in the kitchen and one with In=25A protects remaining sockets and all the other devices
- 2 RCBOs protect separately sockets circuits of the bathroom and of the laundry
- 10 MCBs In=16A or In=10A protect sockets and lights circuits of the house
- 1 OVR protects against transient overvoltage peaks
- 1 modular bell with built-in voltage transformer for doorbell's acoustic signal
- 1 LSS1/2 for load management

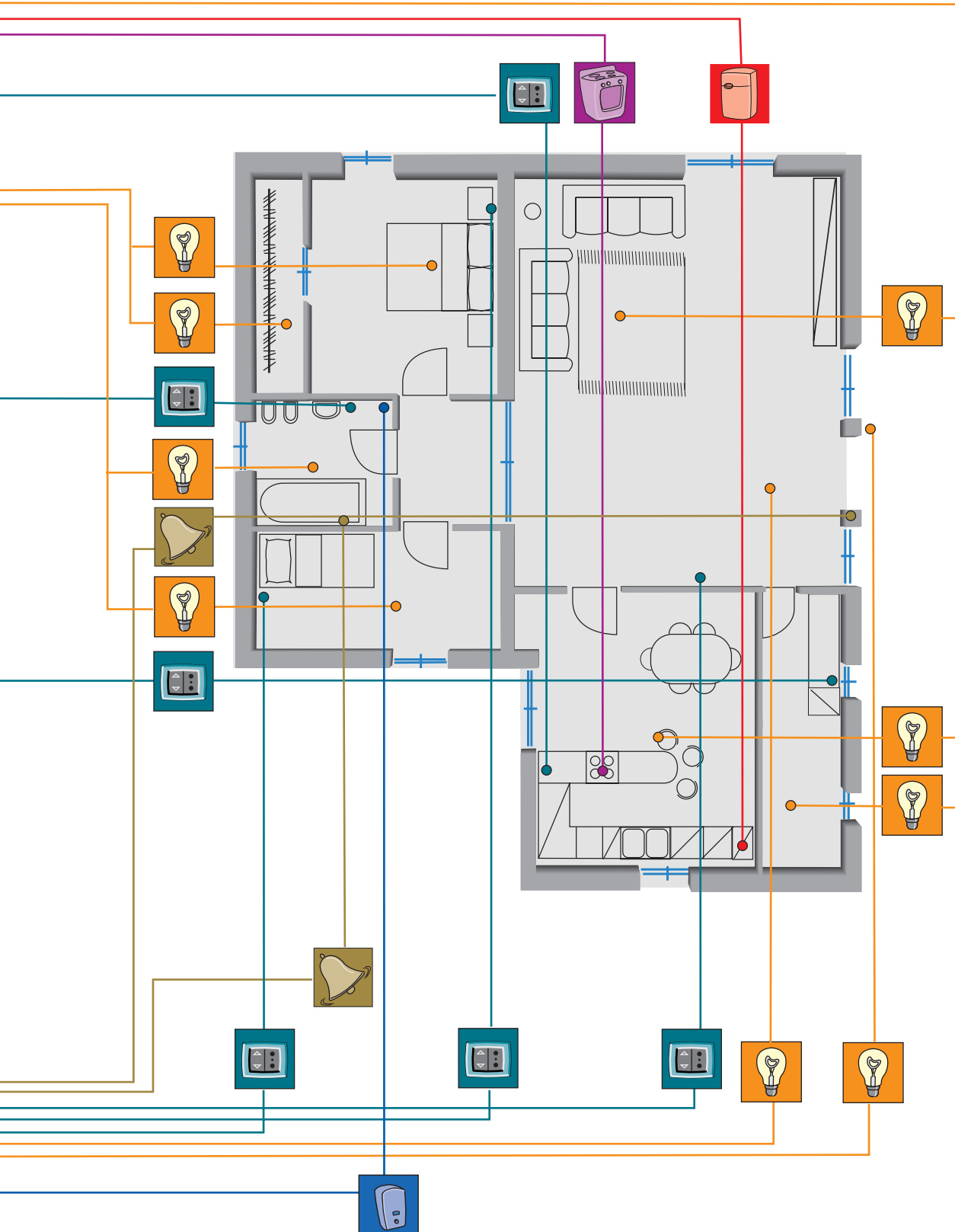
In this consumer unit a DTS-TWS (time switch + twilight switch) allows the time programming of the external and entrance lights in relation to the environmental light level. One E 259 (installation relay), equipped with contact position indicator, allows the manual control of the boiler in the bathroom.





# Compact Home Application sheets

Advanced solution for consumer units installed in a big flat (between 35 and 100 m<sup>2</sup>)

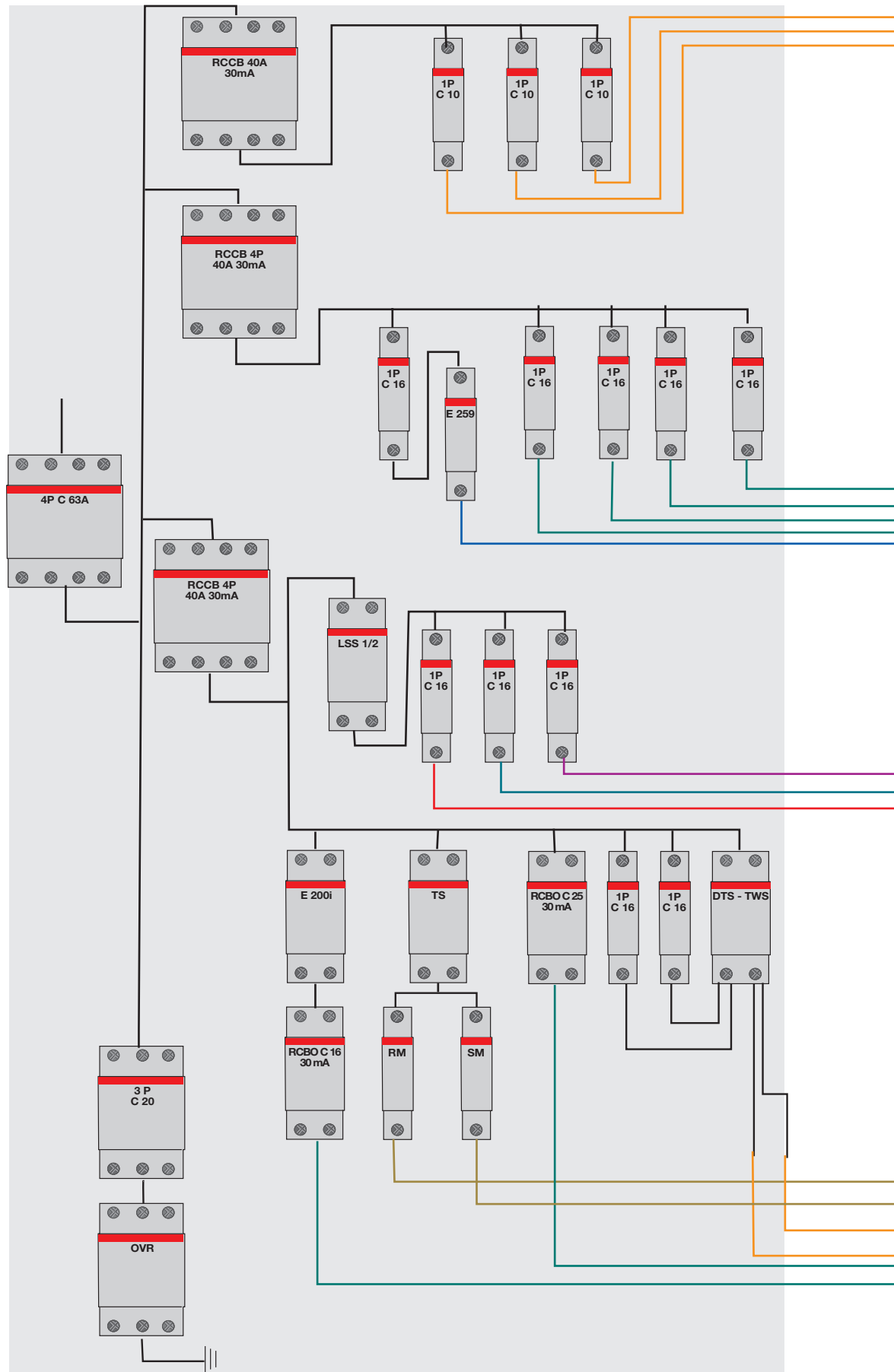


## Basic solution for consumer units installed in an independent house/villa (>100 m<sup>2</sup>)

- 1 MCB used as main switch of the consumer unit
- 3 RCCBs with In=40A protect sockets and lights circuits of the house
- 2 RCBOs protect separately sockets in the garage and in the swimming pool
- 13 MCBs In=16A or In=10A protect sockets and lights circuits of the house
- 1 OVR protects against transient overvoltage peaks
- 1 modular bell and 1 buzzer for acoustic signals
- 1 DTS-TWS for lights time programming
- 1 E 259 for manual controlling of the boiler

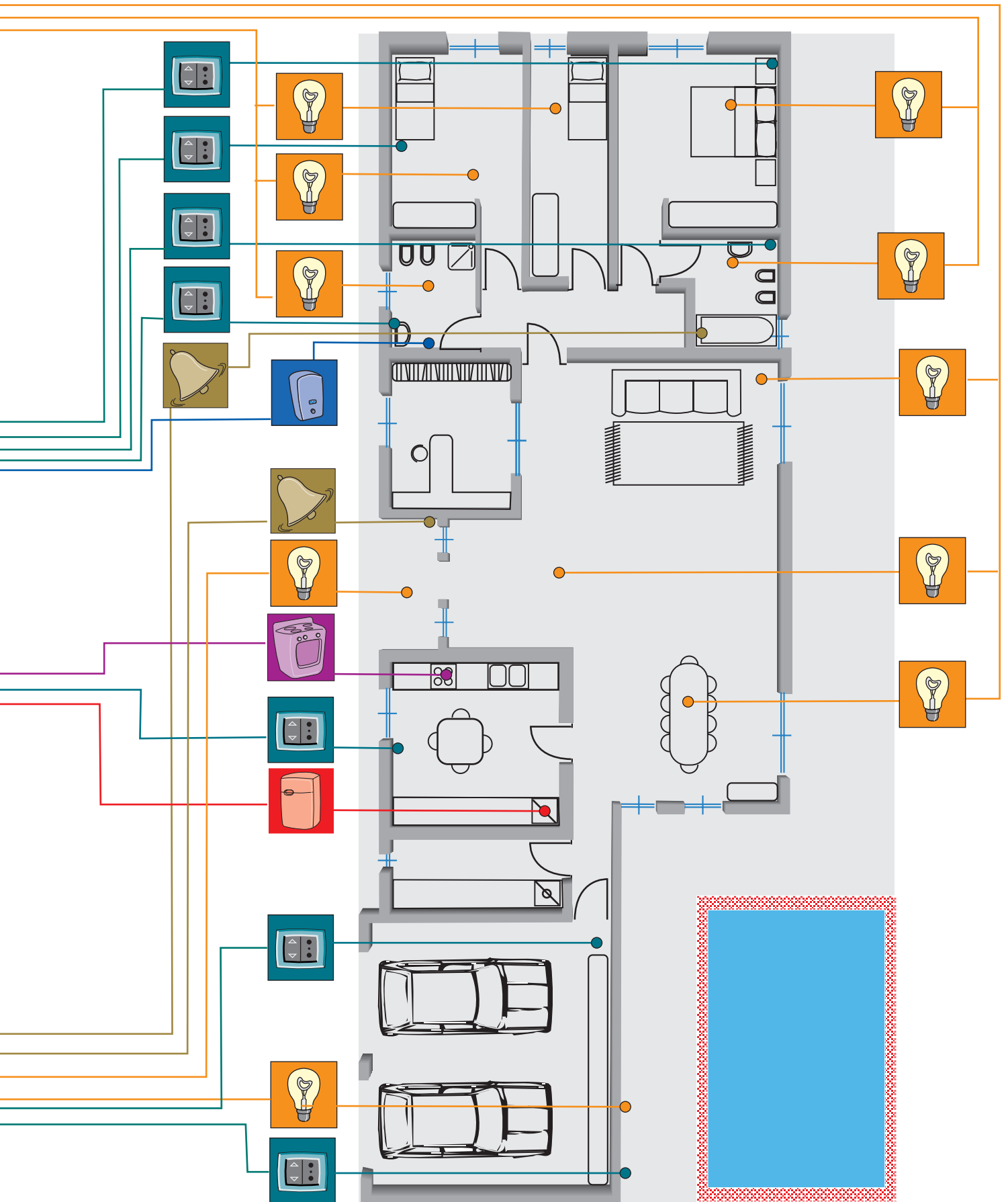
2

In this consumer unit the E 200i is used as main disconnecting means of the external circuit (which, for example, can be used for the sockets or the pump of the swimming pool, always turned off during the winter). The LSS1/2 is a load shedding switch: it avoids the tripping of the main circuit-breaker through switching-off in sequence of maximum two not primary loads when the preset threshold is exceeded (it could be useful to set refrigerator as primary load to warrant service's continuity).



# Compact Home Application sheets

Basic solution for consumer units installed in an independent house/villa (>100 m<sup>2</sup>)



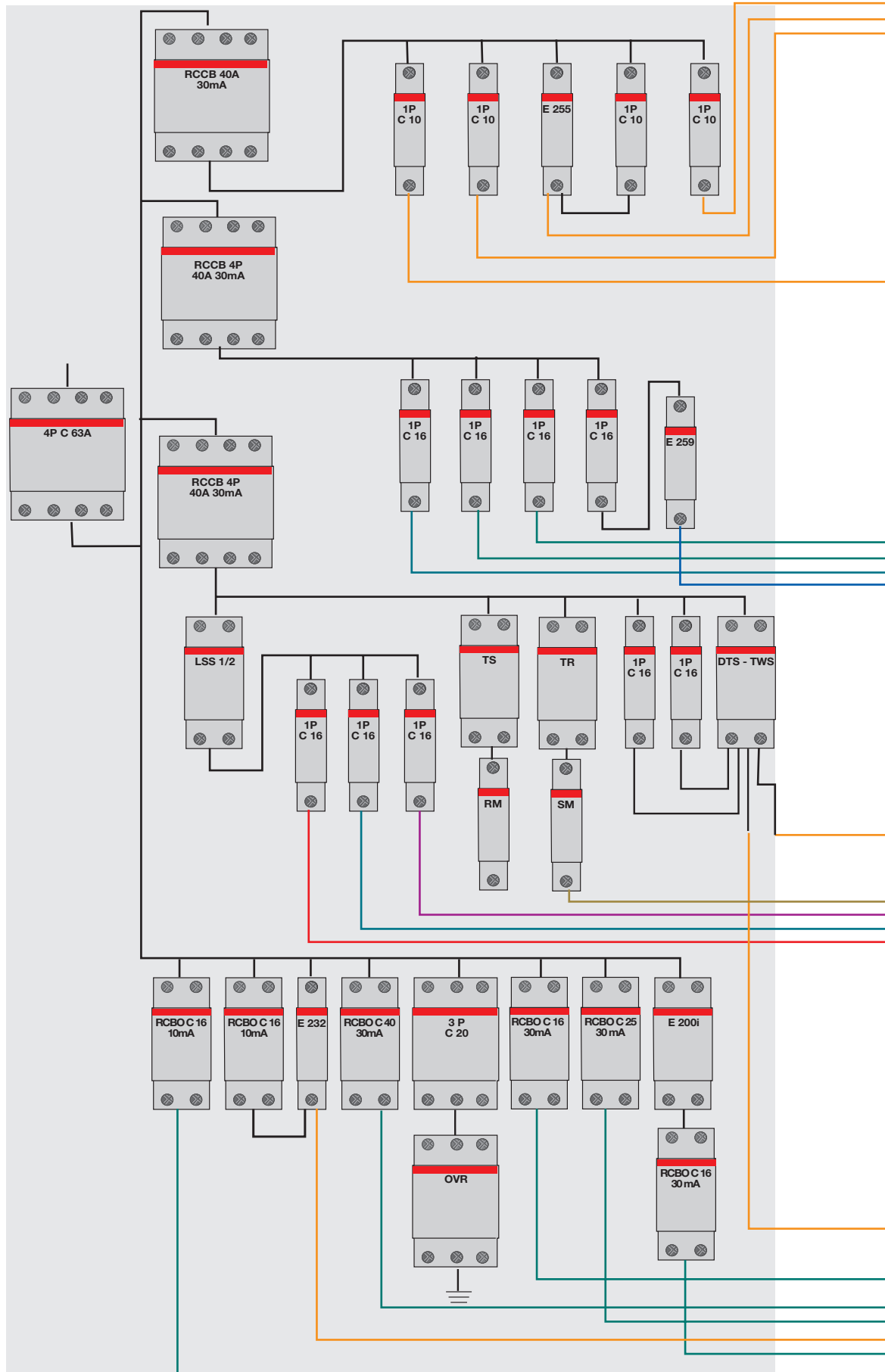
2

# Compact Home Application sheets

## Advanced solution for consumer units installed in an independent house/villa (>100 m<sup>2</sup>)

- 1 MCB used as main switch of the consumer unit
- 3 RCCBs protect sockets and lights circuits of the house
- 6 RCBOs protect separately the critical lines of the house
- 13 MCBs In=16A or In=10A protect sockets and lights circuits of the whole house
- 1 OVR protects against transient overvoltage peaks
- 1 modular bell and 1 buzzer for acoustic signals
- 1 LSS1/2 for the load management of the electric household appliances in the kitchen
- 1 E 200i separately controls the external sockets
- 1 DTS-TWS for lights time programming
- 1 E 259 for manual controlling of the boiler

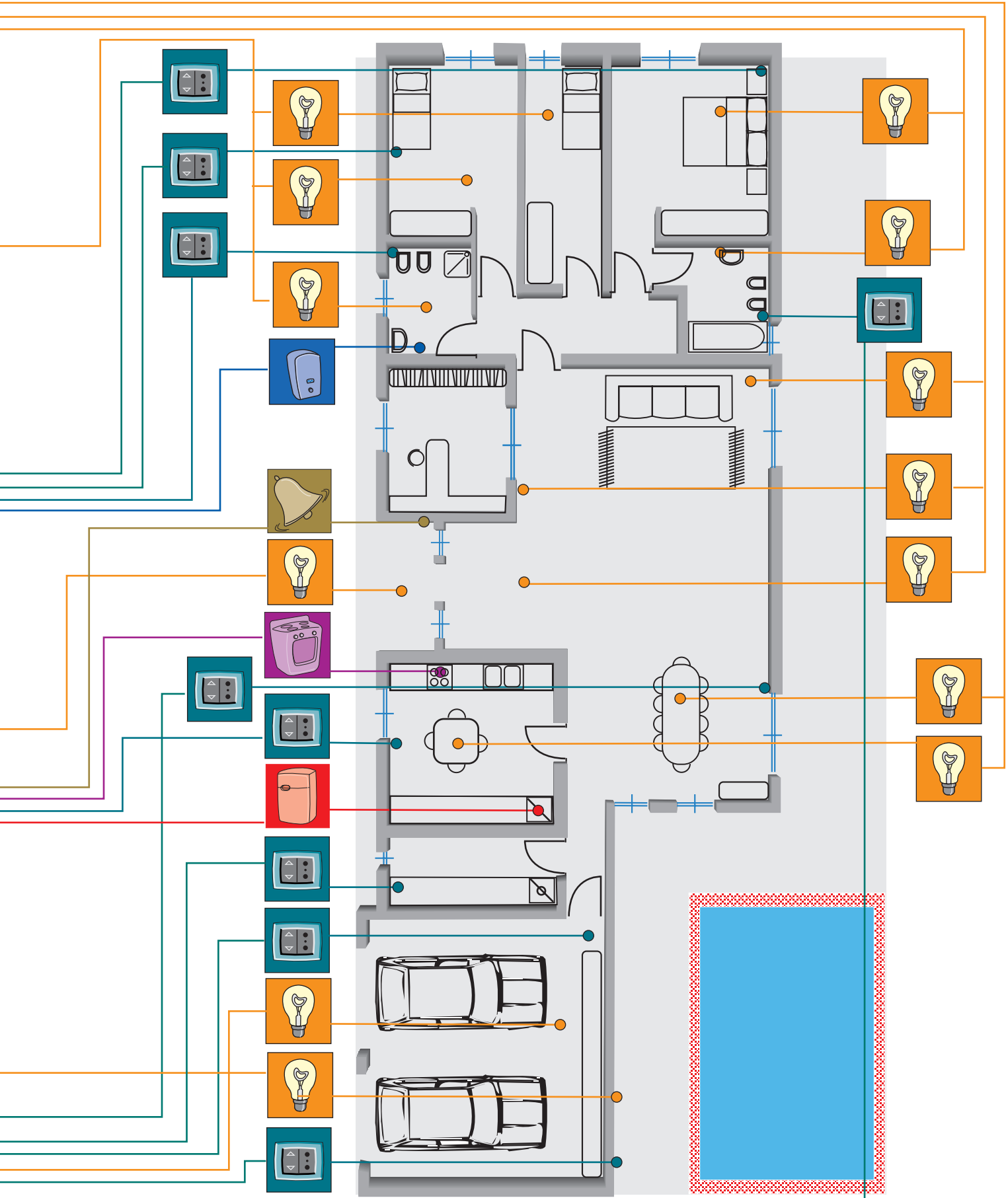
In the living room, the E 255 (latching relay) allows the light sequential control through a single pushbutton circuit. The E 232 (staircase timer) permits the lighting time delay in the garage, so it is not possible to forget light turned on.





# Compact Home Application sheets

Advanced solution for consumer units installed in an independent house/villa (>100 m<sup>2</sup>)



2





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MCBs SH 200 series T

3000

B

SH 200 T B characteristic

Function: protection and control of the circuits against overloads and short-circuits; protection for people and big-length cables in TN and IT systems.

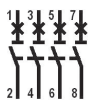
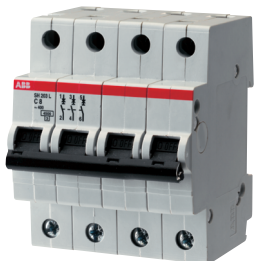
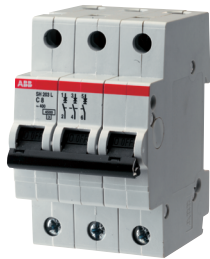
Applications: buildings, both residential and commercial

Standard: IEC/EN 60898

I<sub>cn</sub>=3kA

No. of poles	rated current I <sub>n</sub> A	order details		bbn 40 16779 EAN	price 1 piece	price group	w'ght 1 pc. kg	pack. unit pc.
		type code	order code					
1	6	SH 201 T-B 6	2CDS 231 001 R0065	63192 1			0.125	10
	10	SH 201 T-B 10	2CDS 231 001 R0105	63195 2			0.125	10
	13	SH 201 T-B 13	2CDS 231 001 R0135	63197 6			0.125	10
	16	SH 201 T-B 16	2CDS 231 001 R0165	63199 0			0.125	10
	20	SH 201 T-B 20	2CDS 231 001 R0205	63201 0			0.125	10
	25	SH 201 T-B 25	2CDS 231 001 R0255	63203 4			0.125	10
	32	SH 201 T-B 32	2CDS 231 001 R0325	63205 8			0.125	10
U <sub>Bmax</sub> 440 V ~ 60 V ...	40	SH 201 T-B 40	2CDS 231 001 R0405	63207 2			0.125	10
	<hr/>							
2	6	SH 202 T-B 6	2CDS 232 001 R0065	63226 3			0.25	5
	10	SH 202 T-B 10	2CDS 232 001 R0105	63229 4			0.25	5
	13	SH 202 T-B 13	2CDS 232 001 R0135	63231 7			0.25	5
	16	SH 202 T-B 16	2CDS 232 001 R0165	63233 1			0.25	5
	20	SH 202 T-B 20	2CDS 232 001 R0205	63235 5			0.25	5
	25	SH 202 T-B 25	2CDS 232 001 R0255	63237 9			0.25	5
	32	SH 202 T-B 32	2CDS 232 001 R0325	63239 3			0.25	5
U <sub>Bmax</sub> 440 V ~ 125 V ... □	40	SH 202 T-B 40	2CDS 232 001 R0405	63241 6			0.25	5
	<hr/>							
3	6	SH 203 T-B 6	2CDS 233 001 R0065	63243 0			0.375	1
	10	SH 203 T-B 10	2CDS 233 001 R0105	63246 1			0.375	1
	13	SH 203 T-B 13	2CDS 233 001 R0135	63248 5			0.375	1
	16	SH 203 T-B 16	2CDS 233 001 R0165	63250 8			0.375	1
	20	SH 203 T-B 20	2CDS 233 001 R0205	63252 2			0.375	1
	25	SH 203 T-B 25	2CDS 233 001 R0255	63254 6			0.375	1
	32	SH 203 T-B 32	2CDS 233 001 R0325	63256 0			0.375	1
U <sub>Bmax</sub> 440 V ~	40	SH 203 T-B 40	2CDS 233 001 R0405	63258 4			0.375	1
	<hr/>							
4	6	SH 204 T-B 6	2CDS 234 001 R0065	63277 5			0.5	1
	10	SH 204 T-B 10	2CDS 234 001 R0105	63280 5			0.5	1
	13	SH 204 T-B 13	2CDS 234 001 R0135	63282 9			0.5	1
	16	SH 204 T-B 16	2CDS 234 001 R0165	63284 3			0.5	1
	20	SH 204 T-B 20	2CDS 234 001 R0205	63286 7			0.5	1
	25	SH 204 T-B 25	2CDS 234 001 R0255	63288 1			0.5	1
	32	SH 204 T-B 32	2CDS 234 001 R0325	63290 4			0.5	1
U <sub>Bmax</sub> 440 V ~ 125 V ... □	40	SH 204 T-B 40	2CDS 234 001 R0405	63292 8			0.5	1

□ U<sub>Bmax</sub> 125 V ... with 2 poles connected in series

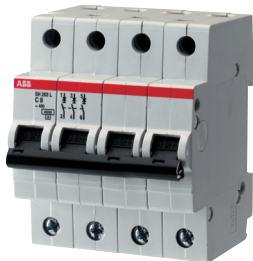




MCBs SH 200 series T

3000

**B**



With disconnecting neutral NA

No. of poles	rated current I <sub>n</sub> A	order details		bbn 40 16779 EAN	price 1 piece	price group	w'ght 1 pc. kg	pack. unit pc.
		type code	order code					
1 + NA	6	SH 201 T-B 6 NA	2CDS 231 103 R0065	63209 6			0.25	5
	10	SH 201 T-B 10 NA	2CDS 231 103 R0105	63212 6			0.25	5
	13	SH 201 T-B 13 NA	2CDS 231 103 R0135	63214 0			0.25	5
	16	SH 201 T-B 16 NA	2CDS 231 103 R0165	63216 4			0.25	5
	20	SH 201 T-B 20 NA	2CDS 231 103 R0205	63218 8			0.25	5
	25	SH 201 T-B 25 NA	2CDS 231 103 R0255	63220 1			0.25	5
	32	SH 201 T-B 32 NA	2CDS 231 103 R0325	63222 5			0.25	5
U <sub>Bmax</sub> 440 V ~ 60 V ∴	40	SH 201 T-B 40 NA	2CDS 231 103 R0405	63224 9			0.25	5
	<hr/>							
3 + NA	6	SH 203 T-B 6 NA	2CDS 233 103 R0065	63260 7			0.5	1
	10	SH 203 T-B 10 NA	2CDS 233 103 R0105	63263 8			0.5	1
	13	SH 203 T-B 13 NA	2CDS 233 103 R0135	63265 2			0.5	1
	16	SH 203 T-B 16 NA	2CDS 233 103 R0165	63267 6			0.5	1
	20	SH 203 T-B 20 NA	2CDS 233 103 R0205	63269 0			0.5	1
	25	SH 203 T-B 25 NA	2CDS 233 103 R0255	63271 3			0.5	1
	32	SH 203 T-B 32 NA	2CDS 233 103 R0325	63273 7			0.5	1
U <sub>Bmax</sub> 440 V ~	40	SH 203 T-B 40 NA	2CDS 233 103 R0405	63275 1			0.5	1

3

MCBs SH 200 series T

3000

C

SH 200 T C characteristic

Function: protection and control of the circuits against overloads and short-circuits; protection for resistive and inductive loads with low inrush current.

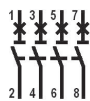
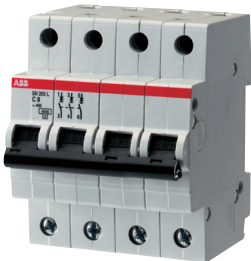
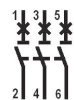
Applications: buildings, both residential and commercial

Standard: IEC/EN 60898

Icn=3kA

No. of poles	rated current I <sub>n</sub> A	order details		bbn 40 16779 EAN	price 1 piece	price group	w'ght 1 pc. kg	pack. unit pc.
		type code	order code					
1	6	SH 201 T-C 6	2CDS 231 001 R0064	63191 4			0.125	10
	8	SH 201 T-C 8	2CDS 231 001 R0084	63193 8			0.125	10
	10	SH 201 T-C 10	2CDS 231 001 R0104	63194 5			0.125	10
	13	SH 201 T-C 13	2CDS 231 001 R0134	63196 9			0.125	10
	16	SH 201 T-C 16	2CDS 231 001 R0164	63198 3			0.125	10
	20	SH 201 T-C 20	2CDS 231 001 R0204	63200 3			0.125	10
	25	SH 201 T-C 25	2CDS 231 001 R0254	63202 7			0.125	10
	32	SH 201 T-C 32	2CDS 231 001 R0324	63204 1			0.125	10
	40	SH 201 T-C 40	2CDS 231 001 R0404	63206 5			0.125	10
	2	6	SH 202 T-C 6	2CDS 232 001 R0064	63225 6			0.25
8		SH 202 T-C 8	2CDS 232 001 R0084	63227 0			0.25	5
10		SH 202 T-C 10	2CDS 232 001 R0104	63228 7			0.25	5
13		SH 202 T-C 13	2CDS 232 001 R0134	63230 0			0.25	5
16		SH 202 T-C 16	2CDS 232 001 R0164	63232 4			0.25	5
20		SH 202 T-C 20	2CDS 232 001 R0204	63234 8			0.25	5
25		SH 202 T-C 25	2CDS 232 001 R0254	63236 2			0.25	5
32		SH 202 T-C 32	2CDS 232 001 R0324	63238 6			0.25	5
40		SH 202 T-C 40	2CDS 232 001 R0404	63240 9			0.25	5
3		6	SH 203 T-C 6	2CDS 233 001 R0064	63242 3			0.375
	8	SH 203 T-C 8	2CDS 233 001 R0084	63244 7			0.375	1
	10	SH 203 T-C 10	2CDS 233 001 R0104	63245 4			0.375	1
	13	SH 203 T-C 13	2CDS 233 001 R0134	63247 8			0.375	1
	16	SH 203 T-C 16	2CDS 233 001 R0164	63249 2			0.375	1
	20	SH 203 T-C 20	2CDS 233 001 R0204	63251 5			0.375	1
	25	SH 203 T-C 25	2CDS 233 001 R0254	63253 9			0.375	1
	32	SH 203 T-C 32	2CDS 233 001 R0324	63255 3			0.375	1
	40	SH 203 T-C 40	2CDS 233 001 R0404	63257 7			0.375	1
	4	6	SH 204 T-C 6	2CDS 234 001 R0064	63276 8			0.5
8		SH 204 T-C 8	2CDS 234 001 R0084	63278 2			0.5	1
10		SH 204 T-C 10	2CDS 234 001 R0104	63279 9			0.5	1
13		SH 204 T-C 13	2CDS 234 001 R0134	63281 2			0.5	1
16		SH 204 T-C 16	2CDS 234 001 R0164	63283 6			0.5	1
20		SH 204 T-C 20	2CDS 234 001 R0204	63285 0			0.5	1
25		SH 204 T-C 25	2CDS 234 001 R0254	63287 4			0.5	1
32		SH 204 T-C 32	2CDS 234 001 R0324	63289 8			0.5	1
40		SH 204 T-C 40	2CDS 234 001 R0404	63291 1			0.5	1

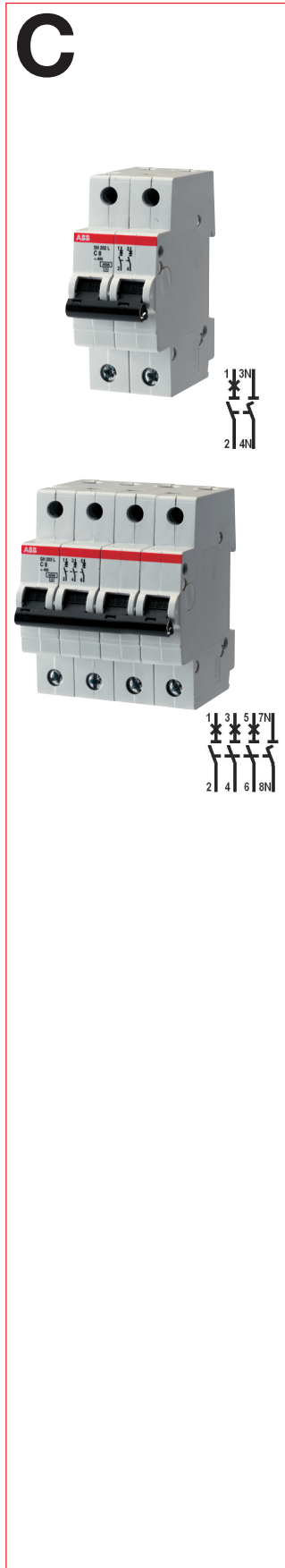
□ U<sub>Bmax</sub> 125 V ... with 2 poles connected in series



3

MCBs SH 200 series T

3000



With disconnecting neutral NA

No. of poles	rated current $I_n$ A	order details		bbn EAN	price 1 piece	price group	w/ght 1 pc. kg	pack. unit pc.
		type code	order code					
1 + NA	6	SH 201 T-C 6 NA	2CDS 231 103 R0064	63208 9			0.25	5
	8	SH 201 T-C 8 NA	2CDS 231 103 R0084	63210 2			0.25	5
	10	SH 201 T-C 10 NA	2CDS 231 103 R0104	63211 9			0.25	5
	13	SH 201 T-C 13 NA	2CDS 231 103 R0134	63213 3			0.25	5
	16	SH 201 T-C 16 NA	2CDS 231 103 R0164	63215 7			0.25	5
	20	SH 201 T-C 20 NA	2CDS 231 103 R0204	63217 1			0.25	5
	25	SH 201 T-C 25 NA	2CDS 231 103 R0254	63219 5			0.25	5
	32	SH 201 T-C 32 NA	2CDS 231 103 R0324	63221 8			0.25	5
40	40	SH 201 T-C 40 NA	2CDS 231 103 R0404	63223 2			0.25	5
	$U_{Bmax}$ 440 V ~ 60 V ...							
3 + NA	6	SH 203 T-C 6 NA	2CDS 233 103 R0064	63259 1			0.5	1
	8	SH 203 T-C 8 NA	2CDS 233 103 R0084	63261 4			0.5	1
	10	SH 203 T-C 10 NA	2CDS 233 103 R0104	63262 1			0.5	1
	13	SH 203 T-C 13 NA	2CDS 233 103 R0134	63264 5			0.5	1
	16	SH 203 T-C 16 NA	2CDS 233 103 R0164	63266 9			0.5	1
	20	SH 203 T-C 20 NA	2CDS 233 103 R0204	63268 3			0.5	1
	25	SH 203 T-C 25 NA	2CDS 233 103 R0254	63270 6			0.5	1
	32	SH 203 T-C 32 NA	2CDS 233 103 R0324	63272 0			0.5	1
40	40	SH 203 T-C 40 NA	2CDS 233 103 R0404	63274 4			0.5	1
	$U_{Bmax}$ 440 V ~							

3

MCBs SH 200 series L

4500

B

SH 200 L B characteristic

Function: protection and control of the circuits against overloads and short-circuits; protection for people and big-length cables in TN and IT systems.

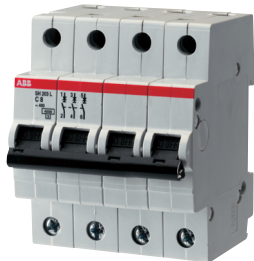
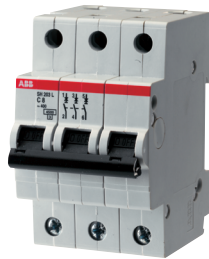
Applications: buildings, both residential and commercial

Standard: IEC/EN 60898

I<sub>cn</sub>=4.5kA

No. of poles	rated current I <sub>n</sub> A	order details		bbn 40 16779 EAN	price 1 piece	price group	w'ght 1 pc. kg	pack. unit pc.
		type code	order code					
1	6	SH 201 L-B 6	2CDS 241 001 R0065	63294 2			0.125	10
	10	SH 201 L-B 10	2CDS 241 001 R0105	63297 3			0.125	10
	13	SH 201 L-B 13	2CDS 241 001 R0135	63299 7			0.125	10
	16	SH 201 L-B 16	2CDS 241 001 R0165	63301 7			0.125	10
	20	SH 201 L-B 20	2CDS 241 001 R0205	63303 1			0.125	10
	25	SH 201 L-B 25	2CDS 241 001 R0255	63305 5			0.125	10
	32	SH 201 L-B 32	2CDS 241 001 R0325	63307 9			0.125	10
	40	SH 201 L-B 40	2CDS 241 001 R0405	63309 3			0.125	10
2	6	SH 202 L-B 6	2CDS 242 001 R0065	63328 4			0.25	5
	10	SH 202 L-B 10	2CDS 242 001 R0105	63331 4			0.25	5
	13	SH 202 L-B 13	2CDS 242 001 R0135	63333 8			0.25	5
	16	SH 202 L-B 16	2CDS 242 001 R0165	63335 2			0.25	5
	20	SH 202 L-B 20	2CDS 242 001 R0205	63337 6			0.25	5
	25	SH 202 L-B 25	2CDS 242 001 R0255	63339 0			0.25	5
	32	SH 202 L-B 32	2CDS 242 001 R0325	63341 3			0.25	5
	40	SH 202 L-B 40	2CDS 242 001 R0405	63343 7			0.25	5
3	6	SH 203 L-B 6	2CDS 243 001 R0065	63345 1			0.375	1
	10	SH 203 L-B 10	2CDS 243 001 R0105	63348 2			0.375	1
	13	SH 203 L-B 13	2CDS 243 001 R0135	63350 5			0.375	1
	16	SH 203 L-B 16	2CDS 243 001 R0165	63352 9			0.375	1
	20	SH 203 L-B 20	2CDS 243 001 R0205	63354 3			0.375	1
	25	SH 203 L-B 25	2CDS 243 001 R0255	63356 7			0.375	1
	32	SH 203 L-B 32	2CDS 243 001 R0325	63358 1			0.375	1
	40	SH 203 L-B 40	2CDS 243 001 R0405	63360 4			0.375	1
4	6	SH 204 L-B 6	2CDS 244 001 R0065	63379 6			0.5	1
	10	SH 204 L-B 10	2CDS 244 001 R0105	63382 6			0.5	1
	13	SH 204 L-B 13	2CDS 244 001 R0135	63384 0			0.5	1
	16	SH 204 L-B 16	2CDS 244 001 R0165	63386 4			0.5	1
	20	SH 204 L-B 20	2CDS 244 001 R0205	63388 8			0.5	1
	25	SH 204 L-B 25	2CDS 244 001 R0255	63390 1			0.5	1
	32	SH 204 L-B 32	2CDS 244 001 R0325	63392 5			0.5	1
	40	SH 204 L-B 40	2CDS 244 001 R0405	63394 9			0.5	1

□ U<sub>Bmax</sub> 125 V ... with 2 poles connected in series

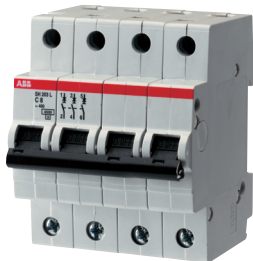


MCBs SH 200 series L

4500

**B**

With disconnecting neutral NA



No. of poles	rated current I <sub>n</sub> A	order details		bbn 40 16779 EAN	price 1 piece	price group	w/ght 1 pc. kg	pack. unit pc.
		type code	order code					
1 + NA	6	SH 201 L-B 6 NA	2CDS 241 103 R0065	63311 6			0.25	5
	10	SH 201 L-B 10 NA	2CDS 241 103 R0105	63314 7			0.25	5
	13	SH 201 L-B 13 NA	2CDS 241 103 R0135	63316 1			0.25	5
	16	SH 201 L-B 16 NA	2CDS 241 103 R0165	63318 5			0.25	5
	20	SH 201 L-B 20 NA	2CDS 241 103 R0205	63320 8			0.25	5
	25	SH 201 L-B 25 NA	2CDS 241 103 R0255	63322 2			0.25	5
U <sub>Bmax</sub> 440 V ~	32	SH 201 L-B 32 NA	2CDS 241 103 R0325	63324 6			0.25	5
	40	SH 201 L-B 40 NA	2CDS 241 103 R0405	63326 0			0.25	5
3 + NA	6	SH 203 L-B 6 NA	2CDS 243 103 R0065	63362 8			0.5	1
	10	SH 203 L-B 10 NA	2CDS 243 103 R0105	63365 9			0.5	1
	13	SH 203 L-B 13 NA	2CDS 243 103 R0135	63367 3			0.5	1
	16	SH 203 L-B 16 NA	2CDS 243 103 R0165	63369 7			0.5	1
	20	SH 203 L-B 20 NA	2CDS 243 103 R0205	63371 0			0.5	1
	25	SH 203 L-B 25 NA	2CDS 243 103 R0255	63373 4			0.5	1
U <sub>Bmax</sub> 440 V ~	32	SH 203 L-B 32 NA	2CDS 243 103 R0325	63375 8			0.5	1
	40	SH 203 L-B 40 NA	2CDS 243 103 R0405	63377 2			0.5	1

MCBs SH 200 series L

C

SH 200 L C characteristic

Function: protection and control of the circuits against overloads and short-circuits; protection for resistive and inductive loads with low inrush current.

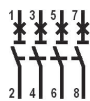
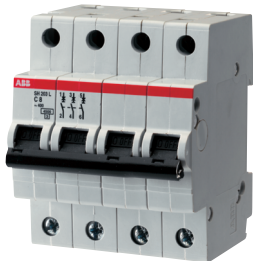
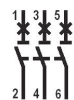
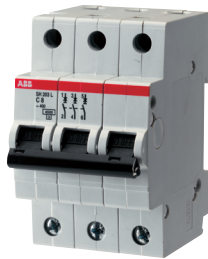
Applications: buildings, both residential and commercial

Standard: IEC/EN 60898

I<sub>cn</sub>=4.5kA

No. of poles	rated current I <sub>n</sub> A	order details		bbn 40 16779 EAN	price 1 piece	price group	w'ght 1 pc. kg	pack. unit pc.
		type code	order code					
1	6	SH 201 L-C 6	2CDS 241 001 R0064	63293 5			0.125	10
	8	SH 201 L-C 8	2CDS 241 001 R0084	63295 9			0.125	10
	10	SH 201 L-C 10	2CDS 241 001 R0104	63296 6			0.125	10
	13	SH 201 L-C 13	2CDS 241 001 R0134	63298 0			0.125	10
	16	SH 201 L-C 16	2CDS 241 001 R0164	63300 0			0.125	10
	20	SH 201 L-C 20	2CDS 241 001 R0204	63302 4			0.125	10
	25	SH 201 L-C 25	2CDS 241 001 R0254	63304 8			0.125	10
	32	SH 201 L-C 32	2CDS 241 001 R0324	63306 2			0.125	10
2	6	SH 202 L-C 6	2CDS 242 001 R0064	63327 7			0.25	5
	8	SH 202 L-C 8	2CDS 242 001 R0084	63329 1			0.25	5
	10	SH 202 L-C 10	2CDS 242 001 R0104	63330 7			0.25	5
	13	SH 202 L-C 13	2CDS 242 001 R0134	63332 1			0.25	5
	16	SH 202 L-C 16	2CDS 242 001 R0164	63334 5			0.25	5
	20	SH 202 L-C 20	2CDS 242 001 R0204	63336 9			0.25	5
	25	SH 202 L-C 25	2CDS 242 001 R0254	63338 3			0.25	5
	32	SH 202 L-C 32	2CDS 242 001 R0324	63340 6			0.25	5
3	6	SH 203 L-C 6	2CDS 243 001 R0064	63344 4			0.375	1
	8	SH 203 L-C 8	2CDS 243 001 R0084	63346 8			0.375	1
	10	SH 203 L-C 10	2CDS 243 001 R0104	63347 5			0.375	1
	13	SH 203 L-C 13	2CDS 243 001 R0134	63349 9			0.375	1
	16	SH 203 L-C 16	2CDS 243 001 R0164	63351 2			0.375	1
	20	SH 203 L-C 20	2CDS 243 001 R0204	63353 6			0.375	1
	25	SH 203 L-C 25	2CDS 243 001 R0254	63355 0			0.375	1
	32	SH 203 L-C 32	2CDS 243 001 R0324	63357 4			0.375	1
4	6	SH 204 L-C 6	2CDS 244 001 R0064	63378 9			0.5	1
	8	SH 204 L-C 8	2CDS 244 001 R0084	63380 2			0.5	1
	10	SH 204 L-C 10	2CDS 244 001 R0104	63381 9			0.5	1
	13	SH 204 L-C 13	2CDS 244 001 R0134	63383 3			0.5	1
	16	SH 204 L-C 16	2CDS 244 001 R0164	63385 7			0.5	1
	20	SH 204 L-C 20	2CDS 244 001 R0204	63387 1			0.5	1
	25	SH 204 L-C 25	2CDS 244 001 R0254	63389 5			0.5	1
	32	SH 204 L-C 32	2CDS 244 001 R0324	63391 8			0.5	1
		40	SH 204 L-C 40	2CDS 244 001 R0404	63393 2		0.5	1

□ U<sub>Bmax</sub> 125 V ∴ with 2 poles connected in series

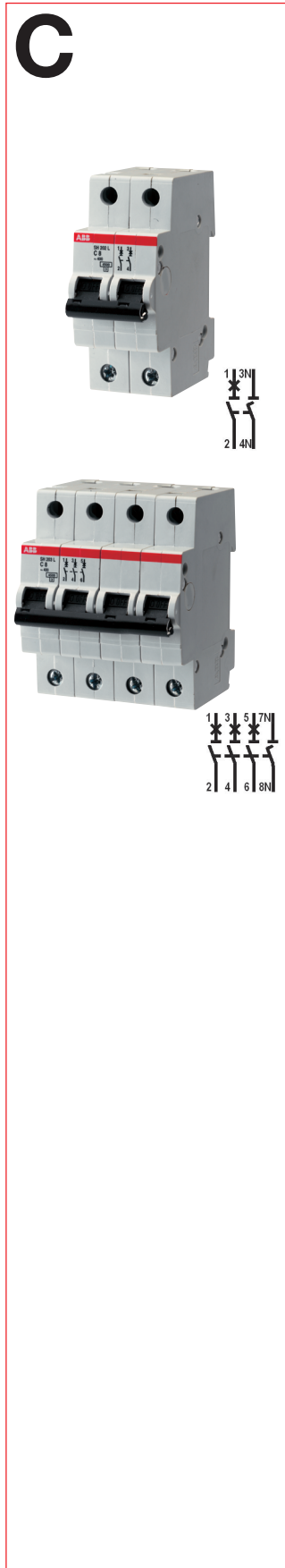


3



MCBs SH 200 series L

4500



With disconnecting neutral NA

No. of poles	rated current I <sub>n</sub> , A	order details		bbn 40 16779 EAN	price 1 piece	price group	w'ght 1 pc. kg	pack. unit pc.
		type code	order code					
1 + NA	6	SH 201 L-C 6 NA	2CDS 241 103 R0064	63310 9			0.25	5
	8	SH 201 L-C 8 NA	2CDS 241 103 R0084	63312 3			0.25	5
	10	SH 201 L-C 10 NA	2CDS 241 103 R0104	63313 0			0.25	5
	13	SH 201 L-C 13 NA	2CDS 241 103 R0134	63315 4			0.25	5
	16	SH 201 L-C 16 NA	2CDS 241 103 R0164	63317 8			0.25	5
	20	SH 201 L-C 20 NA	2CDS 241 103 R0204	63319 2			0.25	5
	25	SH 201 L-C 25 NA	2CDS 241 103 R0254	63321 5			0.25	5
	32	SH 201 L-C 32 NA	2CDS 241 103 R0324	63323 9			0.25	5
U <sub>Bmax</sub> 440 V ~ 60 V ...	40	SH 201 L-C 40 NA	2CDS 241 103 R0404	63325 3			0.25	5
	<hr/>							
3 + NA	6	SH 203 L-C 6 NA	2CDS 243 103 R0064	63361 1			0.5	1
	8	SH 203 L-C 8 NA	2CDS 243 103 R0084	63363 5			0.5	1
	10	SH 203 L-C 10 NA	2CDS 243 103 R0104	63364 2			0.5	1
	13	SH 203 L-C 13 NA	2CDS 243 103 R0134	63366 6			0.5	1
	16	SH 203 L-C 16 NA	2CDS 243 103 R0164	63368 0			0.5	1
	20	SH 203 L-C 20 NA	2CDS 243 103 R0204	63370 3			0.5	1
	25	SH 203 L-C 25 NA	2CDS 243 103 R0254	63372 7			0.5	1
	32	SH 203 L-C 32 NA	2CDS 243 103 R0324	63374 1			0.5	1
U <sub>Bmax</sub> 440 V ~	40	SH 203 L-C 40 NA	2CDS 243 103 R0404	63376 5			0.5	1

3

MCBs SH 200 series

6000

B

SH 200 B characteristic

Function: protection and control of the circuits against overloads and short-circuits; protection for people and big-length cables in TN and IT systems.

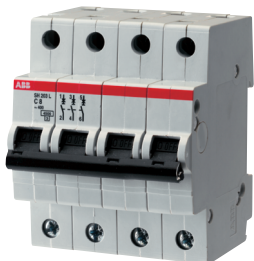
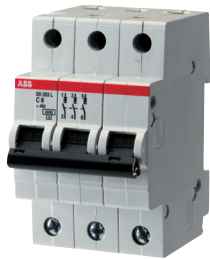
Applications: buildings, both residential and commercial

Standard: IEC/EN 60898

I<sub>cn</sub>=6kA

No. of poles	rated current I <sub>n</sub> A	order details		bbn 40 16779 EAN	price 1 piece	price group	w'ght 1 pc. kg	pack. unit pc.
		type code	order code					
1	6	SH 201-B 6	2CDS 211 001 R0065	63058 0			0.125	10
	10	SH 201-B 10	2CDS 211 001 R0105	63061 0			0.125	10
	13	SH 201-B 13	2CDS 211 001 R0135	63063 4			0.125	10
	16	SH 201-B 16	2CDS 211 001 R0165	63065 8			0.125	10
	20	SH 201-B 20	2CDS 211 001 R0205	63067 2			0.125	10
	25	SH 201-B 25	2CDS 211 001 R0255	63069 6			0.125	10
	32	SH 201-B 32	2CDS 211 001 R0325	63071 9			0.125	10
U <sub>Bmax</sub> 440 V ~ 60 V ∴	40	SH 201-B 40	2CDS 211 001 R0405	63073 3			0.125	10
	<hr/>							
2	6	SH 202-B 6	2CDS 212 001 R0065	63104 4			0.25	5
	10	SH 202-B 10	2CDS 212 001 R0105	63107 5			0.25	5
	13	SH 202-B 13	2CDS 212 001 R0135	63109 9			0.25	5
	16	SH 202-B 16	2CDS 212 001 R0165	63111 2			0.25	5
	20	SH 202-B 20	2CDS 212 001 R0205	63113 6			0.25	5
	25	SH 202-B 25	2CDS 212 001 R0255	63115 0			0.25	5
	32	SH 202-B 32	2CDS 212 001 R0325	63117 4			0.25	5
U <sub>Bmax</sub> 440 V ~ 125 V ∴ □	40	SH 202-B 40	2CDS 212 001 R0405	63119 8			0.25	5
	<hr/>							
3	6	SH 203-B 6	2CDS 213 001 R0065	63127 3			0.375	1
	10	SH 203-B 10	2CDS 213 001 R0105	63130 3			0.375	1
	13	SH 203-B 13	2CDS 213 001 R0135	63132 7			0.375	1
	16	SH 203-B 16	2CDS 213 001 R0165	63134 1			0.375	1
	20	SH 203-B 20	2CDS 213 001 R0205	63136 5			0.375	1
	25	SH 203-B 25	2CDS 213 001 R0255	63138 9			0.375	1
	32	SH 203-B 32	2CDS 213 001 R0325	63140 2			0.375	1
U <sub>Bmax</sub> 440 V ~ □	40	SH 203-B 40	2CDS 213 001 R0405	63142 6			0.375	1
	<hr/>							
4	6	SH 204-B 6	2CDS 214 001 R0065	63173 0			0.5	1
	10	SH 204-B 10	2CDS 214 001 R0105	63176 1			0.5	1
	13	SH 204-B 13	2CDS 214 001 R0135	63178 5			0.5	1
	16	SH 204-B 16	2CDS 214 001 R0165	63180 8			0.5	1
	20	SH 204-B 20	2CDS 214 001 R0205	63182 2			0.5	1
	25	SH 204-B 25	2CDS 214 001 R0255	63184 6			0.5	1
	32	SH 204-B 32	2CDS 214 001 R0325	63186 0			0.5	1
U <sub>Bmax</sub> 440 V ~ 125 V ∴ □	40	SH 204-B 40	2CDS 214 001 R0405	63188 4			0.5	1

□ U<sub>Bmax</sub> 125 V ∴ with 2 poles connected in series

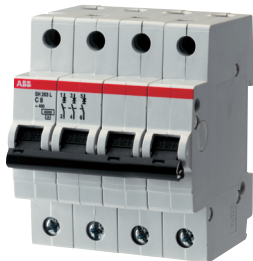
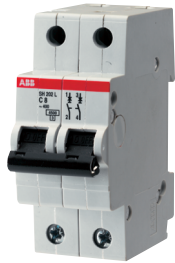


MCBs SH 200 series

6000

**B**

With disconnecting neutral NA



No. of poles	rated current $I_n$ A	order details		bbn 40 16779 EAN	price 1 piece	price group	w'ght 1 pc. kg	pack. unit pc.
		type code	order code					
1 + NA	6	SH 201-B 6 NA	2CDS 211 103 R0065	63081 8			0.25	5
	10	SH 201-B 10 NA	2CDS 211 103 R0105	63084 9			0.25	5
	13	SH 201-B 13 NA	2CDS 211 103 R0135	63086 3			0.25	5
	16	SH 201-B 16 NA	2CDS 211 103 R0165	63088 7			0.25	5
	20	SH 201-B 20 NA	2CDS 211 103 R0205	63090 0			0.25	5
	25	SH 201-B 25 NA	2CDS 211 103 R0255	63092 4			0.25	5
	32	SH 201-B 32 NA	2CDS 211 103 R0325	63094 8			0.25	5
$U_{Bmax}$ 440 V ~ 60 V ...	40	SH 201-B 40 NA	2CDS 211 103 R0405	63096 2			0.25	5
	<hr/>							
3 + NA	6	SH 203-B 6 NA	2CDS 213 103 R0065	63150 1			0.5	1
	10	SH 203-B 10 NA	2CDS 213 103 R0105	63153 2			0.5	1
	13	SH 203-B 13 NA	2CDS 213 103 R0135	63155 6			0.5	1
	16	SH 203-B 16 NA	2CDS 213 103 R0165	63157 0			0.5	1
	20	SH 203-B 20 NA	2CDS 213 103 R0205	63159 4			0.5	1
	25	SH 203-B 25 NA	2CDS 213 103 R0255	63161 7			0.5	1
	32	SH 203-B 32 NA	2CDS 213 103 R0325	63163 1			0.5	1
$U_{Bmax}$ 440 V ~	40	SH 203-B 40 NA	2CDS 213 103 R0405	63165 5			0.5	1

3

MCBs SH 200 series

6000

C

SH 200 C characteristic

Function: protection and control of the circuits against overloads and short-circuits; protection for resistive and inductive loads with low inrush current.

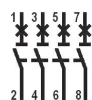
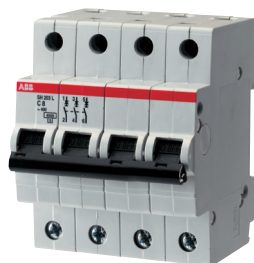
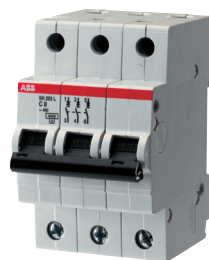
Applications: buildings, both residential and commercial

Standard: IEC/EN 60898

I<sub>cn</sub>=6kA

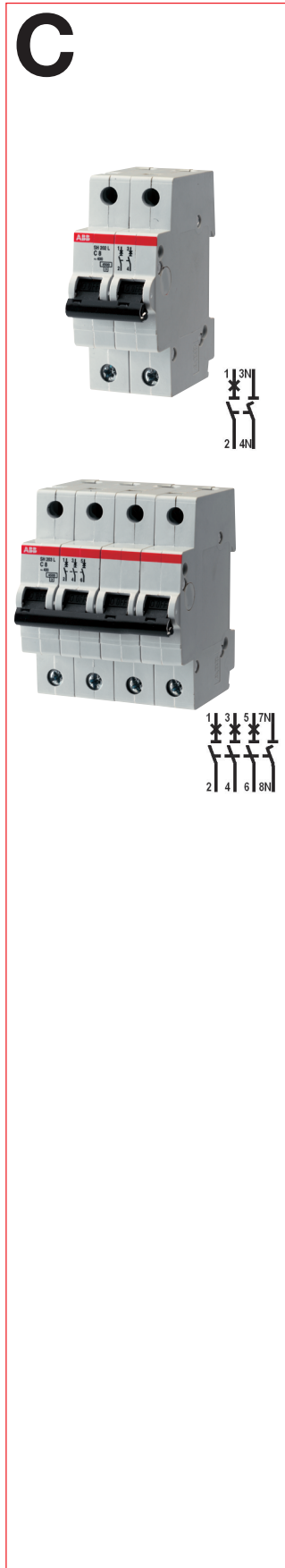
No. of poles	rated current I <sub>n</sub> A	order details		bbn 40 16779 EAN	price 1 piece	price group	w'ght 1 pc. kg	pack. unit pc.
		type code	order code					
1	6	SH 201-C 6	2CDS 211 001 R0064	63057 3			0.125	10
	8	SH 201-C 8	2CDS 211 001 R0084	63059 7			0.125	10
	10	SH 201-C 10	2CDS 211 001 R0104	63060 3			0.125	10
	13	SH 201-C 13	2CDS 211 001 R0134	63062 7			0.125	10
	16	SH 201-C 16	2CDS 211 001 R0164	63064 1			0.125	10
	20	SH 201-C 20	2CDS 211 001 R0204	63066 5			0.125	10
	25	SH 201-C 25	2CDS 211 001 R0254	63068 9			0.125	10
U <sub>Bmax</sub> 440 V ~	32	SH 201-C 32	2CDS 211 001 R0324	63070 2			0.125	10
	40	SH 201-C 40	2CDS 211 001 R0404	63072 6			0.125	10
2	6	SH 202-C 6	2CDS 212 001 R0064	63103 7			0.25	5
	8	SH 202-C 8	2CDS 212 001 R0084	63105 1			0.25	5
	10	SH 202-C 10	2CDS 212 001 R0104	63106 8			0.25	5
	13	SH 202-C 13	2CDS 212 001 R0134	63108 2			0.25	5
	16	SH 202-C 16	2CDS 212 001 R0164	63110 5			0.25	5
	20	SH 202-C 20	2CDS 212 001 R0204	63112 9			0.25	5
	25	SH 202-C 25	2CDS 212 001 R0254	63114 3			0.25	5
U <sub>Bmax</sub> 440 V ~	32	SH 202-C 32	2CDS 212 001 R0324	63116 7			0.25	5
	40	SH 202-C 40	2CDS 212 001 R0404	63118 1			0.25	5
3	6	SH 203-C 6	2CDS 213 001 R0064	63126 6			0.375	1
	8	SH 203-C 8	2CDS 213 001 R0084	63128 0			0.375	1
	10	SH 203-C 10	2CDS 213 001 R0104	63129 7			0.375	1
	13	SH 203-C 13	2CDS 213 001 R0134	63131 0			0.375	1
	16	SH 203-C 16	2CDS 213 001 R0164	63133 4			0.375	1
	20	SH 203-C 20	2CDS 213 001 R0204	63135 8			0.375	1
	25	SH 203-C 25	2CDS 213 001 R0254	63137 2			0.375	1
U <sub>Bmax</sub> 440 V ~	32	SH 203-C 32	2CDS 213 001 R0324	63139 6			0.375	1
	40	SH 203-C 40	2CDS 213 001 R0404	63141 9			0.375	1
4	6	SH 204-C 6	2CDS 214 001 R0064	63172 3			0.5	1
	8	SH 204-C 8	2CDS 214 001 R0084	63174 7			0.5	1
	10	SH 204-C 10	2CDS 214 001 R0104	63175 4			0.5	1
	13	SH 204-C 13	2CDS 214 001 R0134	63177 8			0.5	1
	16	SH 204-C 16	2CDS 214 001 R0164	63179 2			0.5	1
	20	SH 204-C 20	2CDS 214 001 R0204	63181 5			0.5	1
	25	SH 204-C 25	2CDS 214 001 R0254	63183 9			0.5	1
U <sub>Bmax</sub> 440 V ~	32	SH 204-C 32	2CDS 214 001 R0324	63185 3			0.5	1
	40	SH 204-C 40	2CDS 214 001 R0404	63187 7			0.5	1

□ U<sub>Bmax</sub> 125 V ~ with 2 poles connected in series



MCBs SH 200 series

6000



With disconnecting neutral NA

No. of poles	rated current $I_n$ A	order details		bbn 40 16779 EAN	price 1 piece	price group	w'ght 1 pc. kg	pack. unit pc.
		type code	order code					
1 + NA	6	SH 201-C 6 NA	2CDS 211 103 R0064	63080 1			0.25	5
	8	SH 201-C 8 NA	2CDS 211 103 R0084	63082 5			0.25	5
	10	SH 201-C 10 NA	2CDS 211 103 R0104	63083 2			0.25	5
	13	SH 201-C 13 NA	2CDS 211 103 R0134	63085 6			0.25	5
	16	SH 201-C 16 NA	2CDS 211 103 R0164	63087 0			0.25	5
	20	SH 201-C 20 NA	2CDS 211 103 R0204	63089 4			0.25	5
	25	SH 201-C 25 NA	2CDS 211 103 R0254	63091 7			0.25	5
$U_{Bmax}$ 440 V ~	32	SH 201-C 32 NA	2CDS 211 103 R0324	63093 1			0.25	5
	40	SH 201-C 40 NA	2CDS 211 103 R0404	63095 5			0.25	5
3 + NA	6	SH 203-C 6 NA	2CDS 213 103 R0064	63149 5			0.5	1
	8	SH 203-C 8 NA	2CDS 213 103 R0084	63151 8			0.5	1
	10	SH 203-C 10 NA	2CDS 213 103 R0104	63152 5			0.5	1
	13	SH 203-C 13 NA	2CDS 213 103 R0134	63154 9			0.5	1
	16	SH 203-C 16 NA	2CDS 213 103 R0164	63156 3			0.5	1
	20	SH 203-C 20 NA	2CDS 213 103 R0204	63158 7			0.5	1
	25	SH 203-C 25 NA	2CDS 213 103 R0254	63160 0			0.5	1
$U_{Bmax}$ 440 V ~	32	SH 203-C 32 NA	2CDS 213 103 R0324	63162 4			0.5	1
	40	SH 203-C 40 NA	2CDS 213 103 R0404	63164 8			0.5	1

RCCBs FH 200 series

AC  type

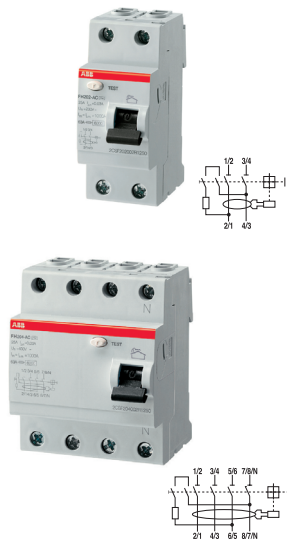
AC

FH 200 AC type

Function: protection against the effects of sinusoidal alternating earth fault currents; protection against indirect contacts and additional protection against direct (with  $I_{\Delta n}=30\text{mA}$ ) contacts; command and isolation of resistive and inductive circuits.

Application: buildings, both residential and commercial

Standard: IEC/EN 61008

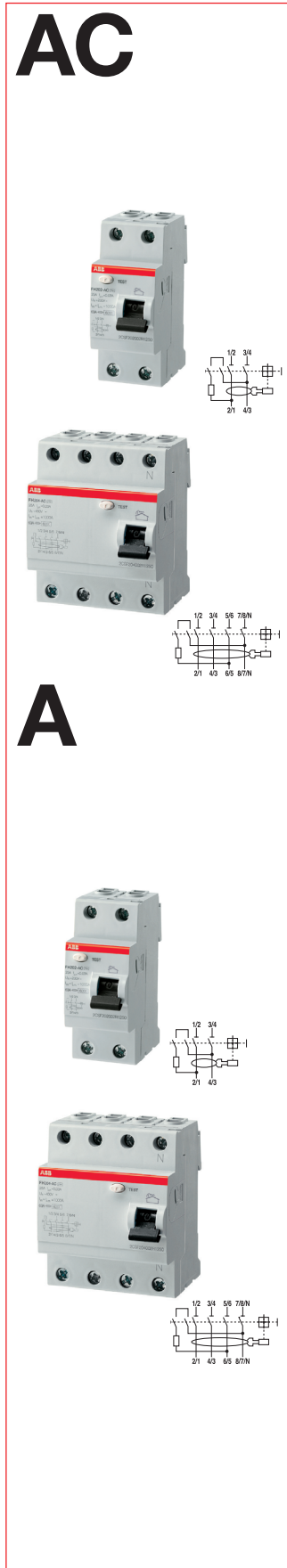


No. of poles	nominal fault current $I_{\Delta n}$ mA	nominal current $I_n$ A	order details		bbn 80 12542 EAN	price 1 piece	price group	w'ght 1 pc. kg	pack unit pc.
			type code	order code					
2	30	25	<b>FH202 AC-25/0.03</b>	2CSF202002R1250	<b>891802</b>			0.200	1/6
		40	<b>FH202 AC-40/0.03</b>	2CSF202002R1400	<b>891901</b>			0.200	1/6
		63	<b>FH202 AC-63/0.03</b>	2CSF202002R1630	<b>892007</b>			0.200	1/6
	300	25	<b>FH202 AC-25/0.3</b>	2CSF202003R3250	<b>893004</b>			0.200	1/6
		40	<b>FH202 AC-40/0.3</b>	2CSF202003R3400	<b>893103</b>			0.200	1/6
		63	<b>FH202 AC-63/0.3</b>	2CSF202003R3630	<b>893202</b>			0.200	1/6
4	30	25	<b>FH204 AC-25/0.03</b>	2CSF204002R1250	<b>892106</b>			0.350	1/3
		40	<b>FH204 AC-40/0.03</b>	2CSF204002R1400	<b>892205</b>			0.350	1/3
		63	<b>FH204 AC-63/0.03</b>	2CSF204002R1630	<b>892304</b>			0.350	1/3
	300	25	<b>FH204 AC-25/0.3</b>	2CSF204003R3250	<b>893301</b>			0.350	1/3
		40	<b>FH204 AC-40/0.3</b>	2CSF204003R3400	<b>893400</b>			0.350	1/3
		63	<b>FH204 AC-63/0.3</b>	2CSF204003R3630	<b>893509</b>			0.350	1/3



RCCBs FH 200 series

AC  and A  type



**FH 200 AC type**

Function: protection against the effects of sinusoidal alternating earth fault currents; protection against indirect contacts and additional protection against direct (with  $I_{\Delta n}=30\text{mA}$ ) contacts; command and isolation of resistive and inductive circuits.

Application: buildings, both residential and commercial

Standard: IEC/EN 61008

No. of poles	nominal fault current $I_{\Delta n}$ mA	nominal current $I_n$ A	order details		bbn 80 12542 EAN	price 1 piece	price group	w'ght 1 pc. kg	pack unit pc.
			type code	order code					
2	30	25	<b>FH202 AC-25/0.03</b>	2CSF202002R1250	<b>891802</b>			0.200	1/6
		40	<b>FH202 AC-40/0.03</b>	2CSF202002R1400	<b>891901</b>			0.200	1/6
		63	<b>FH202 AC-63/0.03</b>	2CSF202002R1630	<b>892007</b>			0.200	1/6
	300	25	<b>FH202 AC-25/0.3</b>	2CSF202003R3250	<b>893004</b>			0.200	1/6
		40	<b>FH202 AC-40/0.3</b>	2CSF202003R3400	<b>893103</b>			0.200	1/6
		63	<b>FH202 AC-63/0.3</b>	2CSF202003R3630	<b>893202</b>			0.200	1/6
4	30	25	<b>FH204 AC-25/0.03</b>	2CSF204002R1250	<b>892106</b>			0.350	1/3
		40	<b>FH204 AC-40/0.03</b>	2CSF204002R1400	<b>892205</b>			0.350	1/3
		63	<b>FH204 AC-63/0.03</b>	2CSF204002R1630	<b>892304</b>			0.350	1/3
	300	25	<b>FH204 AC-25/0.3</b>	2CSF204003R3250	<b>893301</b>			0.350	1/3
		40	<b>FH204 AC-40/0.3</b>	2CSF204003R3400	<b>893400</b>			0.350	1/3
		63	<b>FH204 AC-63/0.3</b>	2CSF204003R3630	<b>893509</b>			0.350	1/3

**FH 200 A type**

Function: protection against the effects of sinusoidal alternating and direct pulsating earth fault currents; protection against indirect contacts and additional protection against direct (with  $I_{\Delta n}=30\text{mA}$ ) contacts; command and isolation of resistive and inductive circuits.

Application: buildings, both residential and commercial

Standard: IEC/EN 61008

No. of poles	nominal fault current $I_{\Delta n}$ mA	nominal current $I_n$ A	order details		bbn 80 12542 EAN	price 1 piece	price group	w'ght 1 pc. kg	pack unit pc.
			type code	order code					
2	30	25	<b>FH202 A-25/0.03</b>	2CSF202102R1250	<b>892403</b>			0.200	1/6
		40	<b>FH202 A-40/0.03</b>	2CSF202102R1400	<b>892502</b>			0.200	1/6
		63	<b>FH202 A-63/0.03</b>	2CSF202102R1630	<b>892601</b>			0.200	1/6
4	30	25	<b>FH204 A-25/0.03</b>	2CSF204102R1250	<b>892700</b>			0.350	1/3
		40	<b>FH204 A-40/0.03</b>	2CSF204102R1400	<b>892809</b>			0.350	1/3
		63	<b>FH204 A-63/0.03</b>	2CSF204102R1630	<b>892908</b>			0.350	1/3

RCCBs FH 200 series

AC  type

AC

FH 200 AC type

Function: protection against the effects of sinusoidal alternating earth fault currents; protection against indirect contacts and additional protection against direct (with  $I_{\Delta n}=30\text{mA}$ ) contacts; command and isolation of resistive and inductive circuits.

Application: buildings, both residential and commercial

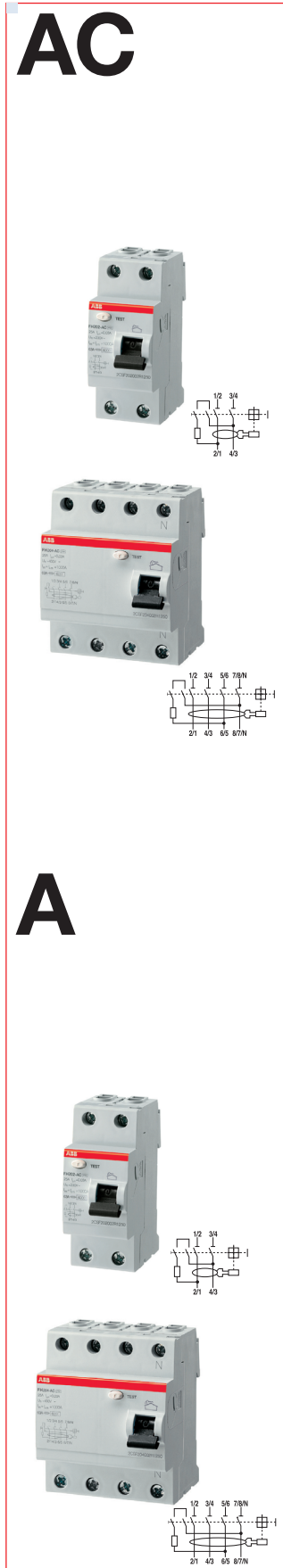
Standard: IEC/EN 61008



No. of poles	nominal fault current $I_{\Delta n}$ mA	nominal current $I_n$ A	order details		bbn 80 12542 EAN	price 1 piece	price group	w'ght 1 pc. kg	pack unit pc.
			type code	order code					
2	30	25	<b>FH202 AC-25/0.03</b>	2CSF202004R1250	<b>893608</b>			0.200	1/6
		40	<b>FH202 AC-40/0.03</b>	2CSF202004R1400	<b>893707</b>			0.200	1/6
		63	<b>FH202 AC-63/0.03</b>	2CSF202004R1630	<b>893806</b>			0.200	1/6
	300	25	<b>FH202 AC-25/0.3</b>	2CSF202003R3250	<b>893004</b>			0.200	1/6
		40	<b>FH202 AC-40/0.3</b>	2CSF202003R3400	<b>893103</b>			0.200	1/6
		63	<b>FH202 AC-63/0.3</b>	2CSF202003R3630	<b>893202</b>			0.200	1/6
4	30	25	<b>FH204 AC-25/0.03</b>	2CSF204004R1250	<b>893905</b>			0.350	1/3
		40	<b>FH204 AC-40/0.03</b>	2CSF204004R1400	<b>894001</b>			0.350	1/3
		63	<b>FH204 AC-63/0.03</b>	2CSF204004R1630	<b>894100</b>			0.350	1/3
	300	25	<b>FH204 AC-25/0.3</b>	2CSF204003R3250	<b>893301</b>			0.350	1/3
		40	<b>FH204 AC-40/0.3</b>	2CSF204003R3400	<b>893400</b>			0.350	1/3
		63	<b>FH204 AC-63/0.3</b>	2CSF204003R3630	<b>893509</b>			0.350	1/3

RCCBs FH 200 series

AC  and A  type



**FH 200 AC type**

Function: protection against the effects of sinusoidal alternating earth fault currents; protection against indirect contacts and additional protection against direct (with  $I_{\Delta n}=30\text{mA}$ ) contacts; command and isolation of resistive and inductive circuits.

Application: buildings, both residential and commercial

Standard: IEC/EN 61008

Marking: according to IEC 61008

No. of poles	nominal fault current $I_{\Delta n}$ mA	nominal current $I_n$ A	order details type code	order code	bbn 80 12542 EAN	price 1 piece	price group	w'ght 1 pc. kg	pack unit pc.
2	30	25	<b>FH202 AC-25/0.03</b>	2CSF202006R1250	<b>894209</b>			0.200	1/6
		40	<b>FH202 AC-40/0.03</b>	2CSF202006R1400	<b>894308</b>			0.200	1/6
		63	<b>FH202 AC-63/0.03</b>	2CSF202006R1630	<b>894407</b>			0.200	1/6
	100	25	<b>FH202 AC-25/0.1</b>	2CSF202006R2250	<b>894506</b>			0.200	1/6
		40	<b>FH202 AC-40/0.1</b>	2CSF202006R2400	<b>894605</b>			0.200	1/6
		63	<b>FH202 AC-63/0.1</b>	2CSF202006R2630	<b>894704</b>			0.200	1/6
300	25	<b>FH202 AC-25/0.3</b>	2CSF202006R3250	<b>894803</b>			0.200	1/6	
	40	<b>FH202 AC-40/0.3</b>	2CSF202006R3400	<b>894902</b>			0.200	1/6	
	63	<b>FH202 AC-63/0.3</b>	2CSF202006R3630	<b>895008</b>			0.200	1/6	
4	30	25	<b>FH204 AC-25/0.03</b>	2CSF204006R1250	<b>895107</b>			0.350	1/3
		40	<b>FH204 AC-40/0.03</b>	2CSF204006R1400	<b>895206</b>			0.350	1/3
		63	<b>FH204 AC-63/0.03</b>	2CSF204006R1630	<b>895305</b>			0.350	1/3
	100	25	<b>FH204 AC-25/0.1</b>	2CSF204006R2250	<b>895404</b>			0.350	1/3
		40	<b>FH204 AC-40/0.1</b>	2CSF204006R2400	<b>895503</b>			0.350	1/3
		63	<b>FH204 AC-63/0.1</b>	2CSF204006R2630	<b>895602</b>			0.350	1/3
	300	25	<b>FH204 AC-25/0.3</b>	2CSF204006R3250	<b>895701</b>			0.350	1/3
		40	<b>FH204 AC-40/0.3</b>	2CSF204006R3400	<b>895800</b>			0.350	1/3
		63	<b>FH204 AC-63/0.3</b>	2CSF204006R3630	<b>895909</b>			0.350	1/3

**FH 200 A type**

Function: protection against the effects of sinusoidal alternating and direct pulsating earth fault currents; protection against indirect contacts and additional protection against direct (with  $I_{\Delta n}=30\text{mA}$ ) contacts; command and isolation of resistive and inductive circuits.

Application: buildings, both residential and commercial

Standard: IEC/EN 61008

Marking: according to EN 61008

No. of poles	nominal fault current $I_{\Delta n}$ mA	nominal current $I_n$ A	order details type code	order code	bbn 80 12542 EAN	price 1 piece	price group	w'ght 1 pc. kg	pack unit pc.
2	30	25	<b>FH202 A-25/0.03</b>	2CSF202102R1250	<b>892403</b>			0.200	1/6
		40	<b>FH202 A-40/0.03</b>	2CSF202102R1400	<b>892502</b>			0.200	1/6
		63	<b>FH202 A-63/0.03</b>	2CSF202102R1630	<b>892601</b>			0.200	1/6
4	30	25	<b>FH204 A-25/0.03</b>	2CSF204102R1250	<b>892700</b>			0.350	1/3
		40	<b>FH204 A-40/0.03</b>	2CSF204102R1400	<b>892809</b>			0.350	1/3
		63	<b>FH204 A-63/0.03</b>	2CSF204102R1630	<b>892908</b>			0.350	1/3

RCBOs series

**DS 941 and D951, B and C characteristics**

Function: protection against both overload and short circuit currents and earth fault currents; additional protection against direct contact (thanks to  $I_{\Delta n}=30\text{mA}$ )

Application: buildings, both residential and commercial

No. of poles	type/class	nominal fault current $I_{\Delta n}$ mA	nominal current $I_n$ A	order details type code	order code	bbn 80 12542 EAN	price 1 piece	price group	w'ght 1 pc. kg	pack. unit pc.
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RCBOs DS 941,  $I_{cn}= 4.5\text{kA}$ , B characteristics

1P+N	AC	30	10	<b>DS 941 B10-30MA AC</b>	16020015	<b>403104</b>			0.200	1/5
			16	<b>DS 941 B16-30MA AC</b>	16020023	<b>403203</b>			0.200	1/5
			20	<b>DS 941 B20-30MA AC</b>	16020031	<b>403302</b>			0.200	1/5
			25	<b>DS 941 B25-30MA AC</b>	16020049	<b>403401</b>			0.200	1/5

RCBOs DS 941,  $I_{cn}= 4.5\text{kA}$ , C characteristic

1P+N	AC	30	10	<b>DS 941 C10-30MA AC</b>	16020403	<b>406600</b>			0.200	1/5
			16	<b>DS 941 C16-30MA AC</b>	16020411	<b>406709</b>			0.200	1/5
			20	<b>DS 941 C20-30MA AC</b>	16020429	<b>406808</b>			0.200	1/5
			25	<b>DS 941 C25-30MA AC</b>	16020437	<b>406907</b>			0.200	1/5

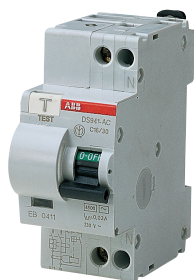
RCBOs DS 951,  $I_{cn}=6\text{kA}$ , B characteristic

1P+N	AC	30	10	<b>DS 951 B10-30MA AC</b>	16021013	<b>410102</b>			0.200	1/5
			16	<b>DS 951 B16-30MA AC</b>	16021021	<b>410201</b>			0.200	1/5
			20	<b>DS 951 B20-30MA AC</b>	16021039	<b>410300</b>			0.200	1/5
			25	<b>DS 951 B25-30MA AC</b>	16021047	<b>410409</b>			0.200	1/5

RCBOs DS 951,  $I_{cn}= 6\text{kA}$ , C characteristic

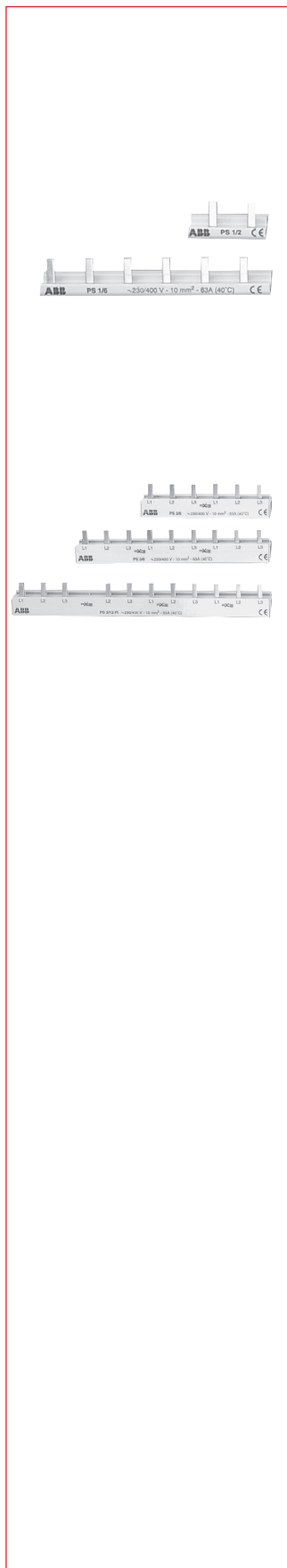
1P+N	AC	30	10	<b>DS 951 C10-30MA AC</b>	16021369	<b>413608</b>			0.200	1/5
			16	<b>DS 951 C16-30MA AC</b>	16021377	<b>413707</b>			0.200	1/5
			20	<b>DS 951 C20-30MA AC</b>	16021385	<b>413806</b>			0.200	1/5
			25	<b>DS 951 C25-30MA AC</b>	16021393	<b>413905</b>			0.200	1/5

Note: for more information about these products and to know the complete range, see the technical catalogue



3

Busbars



Busbars

Conn. capacity mm <sup>2</sup>	module	phases	order details type code	order code	bbn 40 16779 EAN	price 1 piece	price group	w'ght 1 piece kg	pack. unit pc.
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Busbars not to be cut to length (closed design) no end caps required

10	2	1	PS 1/2	2CDL 210 001 R1002	46300 3			0.008	180
	3	1	PS 1/3	2CDL 210 001 R1003	51465 1			0.025	60
	6	1	PS 1/6	2CDL 210 001 R1006	46310 2			0.025	60
	9	1	PS 1/9	2CDL 210 001 R1009	46320 1			0.039	30
	12	1	PS 1/12	2CDL 210 001 R1012	46330 0			0.052	30
	6	3	PS 3/6	2CDL 231 001 R1006	46340 9			0.042	60
	9	3	PS 3/9	2CDL 231 001 R1009	46350 8			0.069	30
	12 (no NA)	3	PS 3/12	2CDL 231 001 R1012	46360 7			0.096	30
	12	3	PS 3/12 FI	2CDL 231 002 R1012	46370 6			0.094	30

1, 2, 3 and 4-pole busbars to be cut to length

10	60	1	PS 1/60	2CDL 210 001 R1060	51466 8			0.260	20
10	12	2	PS 2/12	2CDL 220 001 R1012	55652 1			0.075	50
10	58	2	PS 2/58	2CDL 220 001 R1058	55655 2			0.360	10
10	60	3	PS 3/60	2CDL 230 001 R1060	51469 9			0.470	10
10	12	4	PS 4/12	2CDL 240 001 R1012	55666 8			0.110	30
10	60	4	PS 4/60	2CDL 240 001 R1060	55668 2			0.640	10

3

## Switches E 200 i series

## Switches E 200 i

Suitable for under load operations and equipped with sealable control lever in both positions. For correct operation, it is necessary an upstream protection by devices against short-circuit and overload (fuses, MCBs)

No. of poles	rated voltage VAC	power loss W	order details type code	order code	bbn 4016779 EAN	price 1 piece	price group	w'ght 1 pc. kg	pack. unit pc.
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## Rated current = 63 A

1 NO	240 V	2.5	<b>E 201i/63 gr</b>	2CDE 281 011 R1063	<b>58317 6</b>			0.1	10
1 NO	240 V	2.5	<b>E 201i/63 rd</b>	2CDE 281 011 R0063	<b>58318 3</b>			0.1	10
2 NO	415 V	5.0	<b>E 202i/63 gr</b>	2CDE 282 011 R1063	<b>58325 1</b>			0.21	5
2 NO	415 V	5.0	<b>E 202i/63 rd</b>	2CDE 282 011 R0063	<b>58326 8</b>			0.21	5
3 NO	415 V	7.5	<b>E 203i/63 gr</b>	2CDE 283 011 R1063	<b>58333 6</b>			0.33	3
3 NO	415 V	7.5	<b>E 203i/63 rd</b>	2CDE 283 011 R0063	<b>58334 3</b>			0.33	3
4 NO	415 V	10.0	<b>E 204i/63 gr</b>	2CDE 284 011 R1063	<b>58341 1</b>			0.44	2
4 NO	415 V	10.0	<b>E 204i/63 rd</b>	2CDE 284 011 R0063	<b>58342 8</b>			0.44	2

## Rated current = 80 A

1 NO	240 V	4.0	<b>E 201i/80 gr</b>	2CDE 281 011 R1080	<b>58319 0</b>			0.1	10
1 NO	240 V	4.0	<b>E 201i/80 rd</b>	2CDE 281 011 R0080	<b>58320 6</b>			0.1	10
2 NO	415 V	8.0	<b>E 202i/80 gr</b>	2CDE 282 011 R1080	<b>58327 5</b>			0.21	5
2 NO	415 V	8.0	<b>E 202i/80 rd</b>	2CDE 282 011 R0080	<b>58328 2</b>			0.21	5
3 NO	415 V	12.0	<b>E 203i/80 gr</b>	2CDE 283 011 R1080	<b>58335 0</b>			0.33	3
3 NO	415 V	12.0	<b>E 203i/80 rd</b>	2CDE 283 011 R0080	<b>58336 7</b>			0.33	3
4 NO	415 V	16.0	<b>E 204i/80 gr</b>	2CDE 284 011 R1080	<b>58343 5</b>			0.44	2
4 NO	415 V	16.0	<b>E 204i/80 rd</b>	2CDE 284 011 R0080	<b>58345 9</b>			0.44	2

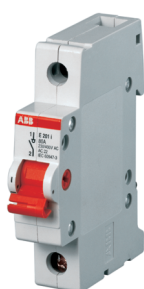
## Rated current = 100 A

1 NO	240 V	6.5	<b>E 201i/100 gr</b>	2CDE 281 011 R1100	<b>58321 3</b>			0.1	10
1 NO	240 V	6.5	<b>E 201i/100 rd</b>	2CDE 281 011 R0100	<b>58322 0</b>			0.1	10
2 NO	415 V	13.0	<b>E 202i/100 gr</b>	2CDE 282 011 R1100	<b>58329 9</b>			0.21	5
2 NO	415 V	13.0	<b>E 202i/100 rd</b>	2CDE 282 011 R0100	<b>58330 5</b>			0.21	5
3 NO	415 V	19.5	<b>E 203i/100 gr</b>	2CDE 283 011 R1100	<b>58337 4</b>			0.33	3
3 NO	415 V	19.5	<b>E 203i/100 rd</b>	2CDE 283 011 R0100	<b>58338 1</b>			0.33	3
4 NO	415 V	26.0	<b>E 204i/100 gr</b>	2CDE 284 011 R1100	<b>58346 6</b>			0.44	2
4 NO	415 V	26.0	<b>E 204i/100 rd</b>	2CDE 284 011 R0100	<b>58347 3</b>			0.44	2

## Rated current = 125 A

1 NO	240 V	9.0	<b>E 201i/125 gr</b>	2CDE 281 011 R1125	<b>58323 7</b>			0.1	10
1 NO	240 V	9.0	<b>E 201i/125 rd</b>	2CDE 281 011 R0125	<b>58324 4</b>			0.1	10
2 NO	415 V	18.0	<b>E 202i/125 gr</b>	2CDE 282 011 R1125	<b>58331 2</b>			0.21	5
2 NO	415 V	18.0	<b>E 202i/125 rd</b>	2CDE 282 011 R0125	<b>58332 9</b>			0.21	5
3 NO	415 V	27.0	<b>E 203i/125 gr</b>	2CDE 283 011 R1125	<b>58339 8</b>			0.33	3
3 NO	415 V	27.0	<b>E 203i/125 rd</b>	2CDE 283 011 R0125	<b>58340 4</b>			0.33	3
4 NO	415 V	36.0	<b>E 204i/125 gr</b>	2CDE 284 011 R1125	<b>58348 0</b>			0.44	2
4 NO	415 V	36.0	<b>E 204i/125 rd</b>	2CDE 284 011 R0125	<b>58349 7</b>			0.44	2

Rated current < 63 A on request





MDRCs

MDRCs

Application: buildings, both residential and commercial



Description	order details	bbn	price	price	w'ght	pack.
	type code	order code	1 piece	group	1 pc.	unit
Staircase lighting time delay switches	<b>E232-230</b>	2CDE 110 000 R0501	<b>40 16779</b>		kg	pc.
			<b>EAN</b>		0.081	1
			548243			

Description	order details	bbn	price	price	w'ght	pack.
	type code	order code	1 piece	group	1 pc.	unit
Load shedding switch	<b>LSS1/2</b>	2CSM 112 500 R1311	<b>80 12542</b>		kg	pc.
			<b>EAN</b>		0.400	1
			274407			

Failsafe transformer 10-20-30VA rated power, 4-8-12V secondary rated voltage	<b>TM30/12</b>	2CSM 301 021 R0801	<b>367505</b>		0.450	1
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Bell transformer input 230V, output 12V/1.33A	<b>TS 16/12</b>	2CSM 161 401 R0811	<b>368908</b>		0.300	1
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Electro-mechanical modular bell 230VAC	<b>SM1/230</b>	2CSM 131 000 R0821	<b>326304</b>		0.100	12
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Modular buzzer 230VAC	<b>RM1/230</b>	2CSM 231 000 R0821	<b>334507</b>		0.100	12
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Modular electronic bell 12VAC+10 VA transformer (two-tones), 2 modules	<b>TSM</b>	2CSM 100 000 R0841	<b>007005</b>		0.300	6
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Bell+buzzer+transformer, 2 modules, 24VAC	<b>TSR</b>	2CSM 100 000 R0831	<b>369608</b>		0.300	1
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Daily program timer switch with standby battery (3 years), 1 channel	<b>DTS 1/1</b>	2CSM 111 000 R0601	<b>506607</b>		0.150	1
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Digital time switches 2CO contact complement, 30 memory location	<b>DTS 7/2</b>	2CSM 122 000 R0601	<b>506805</b>		0.150	1
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Twilight switches with sensor LS-1 with built-in weekly program timer switch	<b>DTS7/2-TWS</b>	2CSM 122 300 R1351	<b>507307</b>		0,350	1
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Installation relays, Uc=230VAC or 115VDC, 1 NO	<b>E 259 R10-230</b>	2CSM111000R0401	<b>532804</b>		0.100	10
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Installation relays, Uc=230VAC or 115VDC, 2 NO	<b>E 259 R20-230</b>	2CSM112000R0401	<b>533603</b>		0.100	10
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Latching relays, Uc=230VAC or 115VDC, 1 NO	<b>E 251-230</b>	2CSM 111 000 R0201	<b>530305</b>		0.114	12
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Latching relays, Uc=230VAC or 115VDC,2NO	<b>E 252-230</b>	2CSM 112 000 R0201	<b>530800</b>		0.116	12
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Latching relays, Uc=230VAC or 115VDC, series	<b>E 255-230</b>	2CSM 119 000 R0201	<b>531302</b>		0.121	12
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Latching relays, Uc=230VAC or 115VDC, 1 NO + 1NC	<b>E 256-230</b>	2CSM 114 000 R0201	<b>531708</b>		0.116	12
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Description	order details	bbn	price	price	w'ght	pack.
	type code	order code	1 piece	group	1 pc.	unit
Surge protection devices, class II, Imax=40kA, In=15kA, Up=1.2kV, Un=230V, Uc=275V	<b>OVR 1N 40 275 P</b>	2CTB 8139 52 R 11 00	<b>80 12542</b>		kg	pc.
			<b>EAN</b>		0.220	1
			506030			

Surge protection devices, class II, Imax=40kA, In=15kA, Up=1.2kV, Un=230V, Uc=275V	<b>OVR 3N 40 275 P</b>	2CTB 8139 53 R 11 00	<b>506283</b>		0.220	1
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N.B.: for more information about these products and to know the complete range, see the technical catalogue







In consideration of modifications to Standards and materials, the characteristics and overall dimensions indicated in this catalogue may be considered binding only following confirmation by ABB SACE

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**ABB SACE S.p.A.**  
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