

Bought a holiday home in France and the barn has very old wiring eg. Brown Bakelite light switches with 2 pin holes for a power plug in them. Cabling is old and rotted, fuses are white porcelain with some chicken wire inside as a fuse. Terrible!! So I am doing a rewire. All easy access to EDF meter, walls and wooden rafters. Bought a consumer unit over here in UK and took it over - only to later find that I must use twin pole MCB's not single pole like UK. Not wanting to flout the regs and give cause to my insurers to refuse to pay any claims if the wiring is not to French standards I read up and I am buying French cable 2.5mm 3 core all sleeved for the 4 power sockets (I can fit up to 12 on 2.5mm according to NFC-15-100 so I am way below that) and 4 lights on 1.5mm cable 3 core all sleeved.

The consumer unit will sit directly under the EDF meter and junction box and I will connect to the box with 6mm 3 core cable. The cables leave the box and go to the main house where there are two consumer units as the house was rewired a few years ago.

The CU I bought is metal cased IP65 with room for 5 slots. Obviously an RCD would take 2 so I want a 40amp RCD (interrupteur différentiel) and I want to fit a 20amp MCB [disjoncteur] (for the sockets) and a 6amp MCB (for the lights).

Can anyone help me pick the right RCD and MCB's as I am a bit confused as to which are the correct ones.

I have downloaded the Schneider Norme NF C 15-100 - Schneider Electric which I found a link for on your forum and it has helped a lot.

So, if I look at page 15 I see some RCD's..are these the right ones for my CU? AND, of the two types which ones would suit a bus bar (peignable). Am I correct to guess that Schneider codes 23160 is the right one?

Interrupteurs différentiels

DuoLine

Technologie embrochable



ID'clic XE	pas de 9 mm	
AC ⁽¹⁾ 25 A	4	16157
40 A	4 pas de 9 mm	16160
63 A	6 pas de 9 mm	16162
A ⁽²⁾ 40 A	4 pas de 9 mm	16158
63 A	6 pas de 9 mm	16156
A si ⁽³⁾ 40 A	4 pas de 9 mm	16161
• 30 mA		
• bipolaires		



Peignes verticaux	
pour coffrets Opale	14910
pour coffrets Pragma	14911

Câble de connexion

- jeu de 2 câbles 14905
- 16 mm²
- 320 mm
- pour alimenter l'ID'clic depuis les borniers phase/neutre du coffret
- jeu de 2 câbles 14906
- 6 mm²
- 1 x 180 mm + 1 x 330 mm
- pour installer le parafoudre PF'clic à droite de la première rangée et permettre l'utilisation des peignes verticaux

Technologie peignable



ID'clic XP	pas de 9 mm	
AC ⁽¹⁾ 25 A	4 pas de 9 mm	23157
40 A	4 pas de 9 mm	23160
63 A	6 pas de 9 mm	23162
A ⁽²⁾ 40 A	4 pas de 9 mm	23158
63 A	6 pas de 9 mm	23156
A si ⁽³⁾ 40 A	4 pas de 9 mm	23161
• 30 mA		
• bipolaires		



Peignes verticaux	
pour coffrets Opale	
entre 2 ID'clic 25 ou 40 A	14900
un ID'clic 63 A	14909
et un ID'clic 25 ou 40 A	
2 ID'clic 63 A	14910

pour coffrets Pragma	
2 ID'clic 25 ou 40 A	14901
2 ID'clic 63 A	14911

- (1) application standard
(2) conçu pour détecter les courants de défaut comportant des composantes continues
(3) protection différentielle à immunité renforcée

And on page 13 for the MCB's (twin pole) that I need, the code 20727 and 20723 for my 2 MCB's???
And the bus bar would be either grey or blue 14878 or 14879.

Disjoncteurs, répartiteurs et peignes Gamme DuoLine

Technologie embrochable



D'clik XE	
2 A	16724
10 A	16725
16 A	16726
20 A	16727
32 A	16729

- 1P+N
- largeur : 2 pas de 9 mm



Répartiteurs Distri'clik XE	avec connecteur	sans connecteur
10 pas de 9 mm	16170	16180
16 pas de 9 mm	16171	16181
26 pas de 9 mm	16172	16182
36 pas de 9 mm	16173	-

- compatibles avec les coffrets Opale, Pragma 13, 18 et 24 mod.
- version sans connecteur : alimentation directe par ID'clik XE
- version avec connecteur : borne à vis pour câbles jusqu'à 16 mm²

Technologie peignable



D'clik XP	
2	20724
6	20723
10	20725
16	20726
20	20727
25	20728
32	20729

- 1P+N
- largeur : 2 pas de 9 mm



Peignes Bar'clik	gris	bleu
peignes 26 pas de 9 mm	14878	14879
104 pas de 9 mm	14918	14919
accessoires		
protège-dents	21096	
lot de 12		
6 pas de 9 mm		
connecteurs	14875	
25 mm²		
lot de 4		



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The RCD appears a bit weird as I am not sure it should have connections at the bottom or not like the twin pole MCB's (or I am looking at the wrong RCD).

My CU by the way has a DIN rail 35mm.. Can anyone help advise?

Can anyone help a little on wiring the CU with these as they appear to clip on the rail differently and the connections are twin pole not single pole. I have replaced an old fusebox at home years ago with a new CU and did it all myself and it has been fine – and updated by an electrician with regs later when we added new kitchen equip and they added new MCB's fine and passed it all. (so I'm not daft!!)... 8o)

Supply is 9KW but coming out of the EDF meter into the junction box are 2 black and 2 brown wires and my electrical tester screwdriver shows all are "live". Is that 2 live and 2 neutral (maybe one for each CU in the house) or is this something else How do I find which is live and which is neutral? Threw me that one even more than no earth from the meter. It has an earth rod outside the barn but the cable seems much too thin to me..not sure what size the earth should be.

I want to get it right and it is a very simple install as access is easy and wall mounting via good clipping.

Could you guys help with the questions. Really appreciate it.