


>> montasje

I prinsippet er **C-serien** konstruert for vertikal montasje. Horisontal kabling er mulig for panelmontasje og bunnmontasje.

Panelmontasje

Panelmontasjene er svært anvendelig montasje som dekker en lang rekke bruksområder. De deles opp i to hovedgrupper.

- **To-/firehullsmontasje**, som monteres med (2/4) skruer rundt senter av akselhullet.
- På **etthullsmontasjene** brukes akselhullet som montasje.

To-/firehullsmontasjene har flere muligheter, noe som gjør at de passer til alle oppgaver.

Bunnmontasje

Bunnmontasje brukes til å montere en bryter på bunnplaten. Derfor er det denne montasjen som vanligvis benyttes til større fordelingsskap.

Bryteren kan monteres på bunnplaten med to eller fire skruer eller med 'Snap-On' på din-skinne. Til denne montasjen finnes det flere dørkoblinger med eller uten hengelås.

According to IEC 60947-3, EN 60947-3, VDE 0660 part 107


Rated Thermal Current $I_{th}/I_{th}/I_{the}$					
				A	32
Rated Insulation Voltage U_i ¹					
				V	890
Rated Impulse Withstand Voltage U_{imp}					
				kV	8
Rated Operational Current I_o					
AC-21A	Switching of resistive loads, including moderate overloads			A	32
AC-22A	Switching of combined resistive or low inductive loads including moderate overloads		220 V–500 V 660 V–890 V	A	32 32
AC-15	Switching of control devices, contactors, valves etc.		220 V–240 V 380 V–440 V	A	14 8
Rated Utilization Category					
AC-2	Slip ring motor starting, reversing and plugging, star-delta starting	3 phase, 3 pole	220 V–240 V	kW	8
			380 V–440 V 500 V 660 V–890 V		15 18,5 15
AC-3	Direct-on-line starting, star-delta starting	3 phase, 3 pole	220 V–240 V	kW	5,5
			380 V–440 V 500 V 660 V–890 V		11 11 11
AC-4	Direct-on-line starting, reversing, plugging and inching	3 phase, 3 pole	220 V–240 V	kW	2,7
			380 V–440 V 500 V 660 V–890 V		5,5 5,5 5,5
			1 phase, 2 pole		110 V–120 V 220 V–240 V 380 V–440 V
AC-23A	Frequent switching of motors or other high inductive loads	3 phase, 3 pole	220 V–240 V	kW	7,5
			380 V–440 V 500 V 660 V–890 V		15 15 15
			1 phase, 2 pole		110 V–120 V 220 V–240 V 380 V–440 V
Short Circuit Protection					
	Max. fuse size		gG-characteristic	A	50
	Rated short-time withstand current:		(1 s-current)	A	350
Max. Permissible Wire Gage - copper wires only					
	Single-core or stranded wire			mm ²	6
	Flexible wire			mm ²	6
	Flexible wire with sleeving in accordance with DIN 48228			mm ²	4

¹ Valid for lines with grounded common neutral termination, overvoltage category III, Other values on request.



miscellaneous

Minimum Voltage:	on request	
Power loss per contact at I_{th}:	1,3 W	
Resistance to vibration:	on request	
Resistance to shock:	on request	
Ambient Temperature of Stages :	open at 100 % I_{th}	55 °C during 24 hours with peaks up to 60 °C
	enclosed at 100 % I_{th}	35 °C during 24 hours with peaks up to 40 °C
Storage temperature:	-40 °C to 85 °C (in case of temperature below -5 °C no shock load permissible)	

Approvals and Standards

IEC 60947
EN 60947



Vers. 06.12

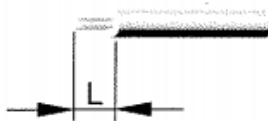
C011 GB

GENERAL MOUNTING NOTES

Kraus & Naimer



Strip length:



**M = recommended
tightening torque for
terminal screws**

Switch type ¹⁾	L		M
	mm	Nm	lb.in
A11, AD11, AD12	8	0,8	7
A14	8	1,2	10
BA20, BG20	9	1,3	12
CA4, CG4	6	0,6	5
CG6, CG8	8	0,8	7
CG10	8	0,8	7
CA10, CA11, CAD11, CAD12	8	0,8	7
CA20	9	1,3	12
CH10, CH11, CH12, CH16	9	1,2	10
CA25	11	1,3	12
C26	11	2,5	22
CA40, CA50, CA63	10	1,8	16
C32	13	2,7	24
C42, C43	15	3	27
C80	17	4	35
C125	20	4,5	40

Switch type ¹⁾	L		M
	mm	Nm	lb/in
DH10, DH11, DH12, DK10, DK11, DK12	8	0,8	7
D10, D11, D12	8	0,8	7
FA10	9	0,8	7
G20	8	0,8	7
KG10	8	0,8	7
KF16, KF20, KF25, KG20, KG32	9	1,25	11
KG41, KG64	10	1,8	16
KC16, KC20, KC25, KC32	10	-	-
KG80, KG100, KG105	14	3	27
KG125, KG127, KG160, KG162	17	14	125
KG210, KG212, KG250, KG252, KG315, KG317	22	16	140
KH16, KH20, KH25	8	1,2	10
KH32, KH40	10	1,2	10
KH63, KH80	14	3	27

1) The strip lengths listed above are valid for all design variations of the respective switch type, e.g. for CA25B, CG4-1, ...

Terminal Security:

Terminals with factory fitted jumper links, are tightened during production. Take care during installation to ensure factory fitted links are not lost by undoing both sides of linked terminals. After wiring, **all terminal screws** must be tightened to recommended torque specifications.