

Installation instruction for option board RP 2CA and RP 2C8 on servo drive 637f



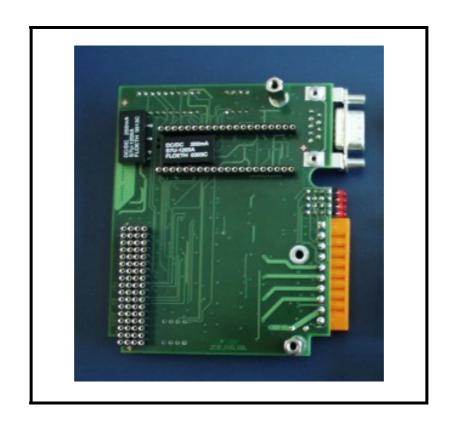
Step	reference to parts list	Processing step		
16		Connect the servo drive COM1 with the PC		
17		637f Start EASYRIDER for windows 6.10 with F9 or Regulator diagnosis",		
		check if RP 2CA / RP2C8 -Modul was recognized.		
		Diagnosis: 637f 40MHz-Drive		
		Drive In-/ outputs I/O module X120b BIAS Mathematics Memory Dump act.position 1: 36807 INKR act.position 2: 65535		
		RP 2C8 RP 2CA		
		Option module COM 2: CAN bus 1 COM 3b: CAN bus 2 X120b: I/O COM 3b: CAN bus 2		
18		Remove connection COM1 with PC		
19		Connect the servo drive COM2 with PC/PLC (CAN)		
20		Check the communication via COM2		

Parts list

Position	Piece	Designation	
1	6 + 2	Ttoothed lock washer d = 3 mm	
2	1	Option board RP 2CA or RP 2C8	
3	1	Heat transfer compound	
4	1	frontplate	
5	2	Countersunk screw M3 x 6	
6	2	Fillister head cap screw M2,5 x 12	
7	6 + 2	Fillister head cap screw M3 x 6	
8	2	Toothed lock washer d = 2,5 mm	



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Safety precaution

CAUTION - risk of electrical shock, wait 3 minutes after switching off,

for discharging the capacitors.

Protect the unit from falling parts (pieces of wire, fley, metal parts, etc.) during installation or other work. Metal parts can lead to a short in the servo drive.

Installation in steps

Step	reference to parts list	Processing step				
1		Switch off voltage !				
2		Check firmware revision level! 637f Possible for mounting from Firmware V8.19a				
3		Solve both holding screws and take servo drive from the rack				
4		Check modification revision 637f Possible for mounting	level!			
5		Solve screws on heat sink s Solve screws on board side	side 1)	h 2 - 10A device)		
E co	m Holdung screw		Holdung s			
Diagn.	not required	heat sink side	Diagn. COMI 1)	heat sink side	1) 🔘	
COM2	M3x6 2A - 10A	device O 1) L 2) L O	COM2	16A - 32A device	1) 🔘	
X10		0 0	X10	(1)	()	
ΙН	() 2)			()	()	
X30	() 2)	(1) L	X30 []		_	
X40	M3x6	② 2) 2) ②	X40	(a) 1) (b) (c) (c) (d) (d) (d) (d) (d) (d) (d) (d) (d) (d	① 1) 1) ②	
E ===	L = screw locki	ng varnish	Euro		picture1	
6		Solve screws of the front plant	ate and remove t	front plate	<u>, , , , , , , , , , , , , , , , , , , </u>	
7		Remove the heat sink				
8		Remove heat transfer comp	ounde at the IGI	BT and the heat sink		



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Step	reference to parts list	Processing step		
9	μαι ιο ιιοι	637f Jumper JP 2.2, JP 2.3, JP 2.7, JP 2.8 open		
		Jumper		
10	Pos. 2	Stick up the option board RP 2CA / RP 2CA8 on X503. Mounting position is defaulted by the male pins X510. (Pins must jut out through the board)		
		□ = female pins □ = male pins		
11	Pos. 3	Put on heat transfer compounde at the IGBT and the heat sink thinly		
12	Pos. 1, 4 - 8	Mount heat sink (ensure, that there is no mech. pressure). Varnish the screws in accordance with picture 1		
13		Mount front plate		
14		Plug servo drive into the rack again		
15		Fix both holding screws		