

# Accessories combination

## Speed Control Systems

Article no.	Designation	Motor/option	Interface/connector	Length	2232/ 2250 ... BX4 SC	3242/ 3268 ... BX4 SC	2610/ 2622 ... B SC	1525/ 1935/ 3153 ... BRC	2214/ 3216/ 4221 ... BXT SC
6501.00096	SCS programming adapter		USB		• (9)	• (9)	• (9)	• (9)	• (9)
6501.00088	SCS programming adapter		USB/RS232		•	•	•	•	•
6501.00112	SCS connection adapter		USB		• (9)	• (9)	• (9)	• (9)	• (9)

## Motion Control Systems

Article no.	Designation	MC version	Motor/option	Interface/connector	Length	2232/ 2250 ... BX4 CSD/ COD/ CCD	3242/ 3268 ... BX4 3564 ... B CS/ CC/ CO	MCS 3242/ 3268 ... BX4 MCS 3274 ... BP4 ET	MCS 3242/ 3268 ... BX4 MCS 3274 ... BP4 RS/ CO	2232/ 2250 ... BX4 IMC RS/ CO
6501.00065	Cx programming adapter	V2.5	BX4	RS232/CAN			•			
6501.00159	CS programming adapter	V2.5		Mini USB			• (3)			
6501.00113	CxD programming adapter	V2.5	BX4	RS232/CAN		• (4)				
6501.00135	CSD programming adapter	V2.5		Mini USB		• (3/4)				
6501.00283	MCS programming adapter	V3.0		RS232/CAN				•		
6501.00284	MCS programming adapter	V3.0		USB			•	•		
6501.00391	IMC programming adapter	V3.0		RS232/CAN					•	
6501.00392	IMC programming adapter	V3.0		Mini USB					•	
6501.00140	CxD cable	V2.5	BX4		1000 mm	•			•	
6501.00270	MCS cable	V3.0		EtherCAT, M8-M8 connector, straight	1500 mm		•			
6501.00210	MCS cable	V3.0		EtherCAT, M8-M8 connector, angled	1500 mm		•			
6501.00271	MCS cable	V3.0		EtherCAT, M8-RJ45 connector, straight	1500 mm		•			
6501.00211	MCS cable	V3.0		EtherCAT, M8-RJ45 connector, angled	1500 mm		•			
6501.00255	MCS cable	V3.0		Supply, M12 connector, 4-pin, straight	1500 mm		•	•		
6501.00256	MCS cable	V3.0		Supply, M12 connector, 4-pin, angled	1500 mm		•	•		
6501.00257	MCS cable	V3.0		I/O, M12 connector, 12-pin, straight	1500 mm		•	•		
6501.00258	MCS cable	V3.0		I/O, M12 connector, 12-pin, angled	1500 mm		•	•		
6501.00134	BC 5004 braking chopper					•	•	•		

- 1) without CF/ CO
- 2) without RS
- 3) without CO/ COD
- 4) special number 3830 for motor BX4 necessary
- 5) special number 3806 for encoder IE3L, IER3L, IERS3L necessary
- 6) special number 3807 for encoder IE3, IER3, IERS3 necessary

- 7) special number 3692 & 3830 required for analogue Hall
- 8) only in combination with 6501.00117/ 6501.00118
- 9) only in combination with 6501.00112/ 6501.00096
- 10) not with 3268 ... BX4
- 11) without ET
- 12) only in combination with 6501.00121
- 13) only in combination with 6501.00267/ 6501.00275
- 14) not with 32xx ... BX4
- 15) special number K4456 for encoder IEP3 necessary

- only recommended for "S" variant (screw terminal)

Accessories also for circuit board variants usable with MC V2.5 and SC via customer-specific connection.

Other cable lengths are available on request.

## Speed Controller

Article no.	Designation	Motor/option	Encoder/sensor	Filter	Interface/ connector	Length	SC 1801 S/F	SC 2402 P	SC 2804 S	SC 5004 P	SC 5008 S
6501.00096	SC programming adapter				USB				•		•
6501.00097	SC programming adapter				USB		•				
6501.00088	SC programming adapter				USB/RS232		•	•			•
6501.00085	SC motor adapter	BX4	Hall sensors				• (4/14)				
6501.00086	SC motor adapter	BX4	Hall sensors					• (4)		• (4)	
6501.00083	SC motor adapter	0620 ... B	Hall sensors				•				
6501.00116	SC motor adapter	0824 ... B 1028 ... B	Hall sensors IEM3					•			
6501.00163	SC motor adapter	0824 ... B 1028 ... B	Hall sensors IEM3				•				
6501.00385	SC encoder adapter		IEP3				• (15)				
6501.00084	SC encoder adapter		IE2 IEH2				•				
6501.00063	SC encoder adapter		IE2 IEH2					•		•	
6501.00143	SC encoder adapter		IE2 IEH2				•				
6501.00193	SC encoder adapter		IE3 IER3 IERS3 IEH3				• (6)				
6501.00194	SC encoder adapter		IE3 IER3 IERS3 IEH3					• (6)		• (6)	
6501.00144	SC encoder adapter		PA2				•				
6501.00145	SC encoder adapter		HXM3				•				
6501.00064	SC encoder adapter		IE3L IER3L IERS3L HEDL					• (5)		• (5)	
6501.00335	SC encoder adapter		AESL				•				
6501.00336	SC encoder adapter		AESL					•		•	
6502.00338	Mounting adapter foot for top-hat rail							•		•	
6501.00375	DIN rail mounting set							•		•	
6501.00025	SC cable		IE2 IEH2			200 mm	•	•		•	
6501.00141	SC cable	BX4	Hall sensors			300 mm	• (4)	• (4)		• (4)	
6501.00002	DC SC adapter cable for encoder		HEDS			600 mm	•	•		•	
6501.00287	DC SC adapter cable for encoder		HEDS			300 mm	•	•		•	
6501.00134	BC 5004 braking chopper							•		•	
6501.00367	SC supply filter			EFS 3004 S			•	•		•	
6501.00350	SC supply filter			EFS 5004 S					•	•	
6501.00352	SC motor filter			EFM 5001 S			•				
6501.00357	SC motor filter			EFM 5003 S				•	•	•	
6501.00351	SC motor filter			EFC 5008 S			•	•	•	•	
6501.00358	SC motor filter			EFM 5008 S					•	•	

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# Accessories combination

Motion Controller V2.5							MCDC 3002 S RS/CF/CO	MCDC 3006 S RS/CF/CO	MCBL 3002 S/F RS/CF/CO	MCBL 3006 S RS/CF/CO	MCLM 3002 S/F RS/CF/CO	MCLM 3006 S RS/CF/CO	MCST 3601
Article no.	Designation	Motor/ option	Encoder/ sensor	Filter	Interface/ connector	Length							
6501.00121	MC programming adapter				RS232/CAN		•		•		•		
6501.00136	MC programming adapter				Mini USB		• (1)		• (1)		• (1)		
6501.00085	MC motor adapter	BX4	Hall sensors						• (7)				
6501.00086	MC motor adapter	BX4	Hall sensors						• (7)				
6501.00321	MC motor adapter	0620 ... B	Hall sensors						•				
6501.00182	MC motor adapter	LM1247-...-11C LM1483-...-11C LM2070-...-11C	Hall sensors									•	
6501.00171	MC motor adapter	LM1247-...-11C LM1483-...-11C	Hall sensors								•		
6501.00117	MC motor adapter	LM0830-...-01									• (8)		
6501.00084	MC encoder adapter		IE2 IEH2				•						
6501.00063	MC encoder adapter		IE2 IEH2					•					
6501.00193	MC encoder adapter		IE3 IER3 IERS3 IEH3				• (6)						
6501.00194	MC encoder adapter		IE3 IER3 IERS3 IEH3					• (6)					
6501.00144	MC encoder adapter		PA2				•						
6501.00145	MC encoder adapter		HXM3				•						
6501.00143	MC encoder adapter		IE2 IEH2				•						
6501.00064	MC encoder adapter		IE3L IER3L IERS3L HEDL					• (5)					
6502.00338	Mounting adapter foot for top-hat rail							•		•		•	
6501.00375	DIN rail mounting set							•		•		•	
6501.00170	PC-MC connection adapter				USB-RS232	1800 mm	• (1/12)	• (1)	• (1/12)	• (1)	• (1/12)	• (1)	
6501.00128	PC-MC connection adapter				USB-CAN	1000 mm	• (2/12)	• (2)	• (2/12)	• (2)	• (2/12)	• (2)	
6501.00118	MC cable	LM0830				200 mm					• (8)		
6501.00025	MC cable		IE2 IEH2			200 mm	•	•	•				
6501.00141	MC cable	BX4	Hall sensors			300 mm			• (4)	• (4)			
6501.00002	DC MC adapter cable for encoder		HEDS			600 mm	•	•					
6501.00287	DC MC adapter cable for encoder		HEDS			300 mm	•	•					
6501.00003	PC-MC cable (null modem)				RS232-RS232	3000 mm	• (1/12)	• (1)	• (1/12)	• (1)	• (1/12)	• (1)	
6501.00134	BC 5004 braking chopper							•		•		•	
6501.00367	MC supply filter			EFS 3004 S			•						
6501.00351	MC motor filter			EFC 5008 S			•	•	•	•	•	•	
6502.00509	MC cable	DM66200H				250 mm							•

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- 9) only in combination with 6501.00112/ 6501.00096
- 10) not with 3268 ... BX4
- 11) without ET
- 12) only in combination with 6501.00121
- 13) only in combination with 6501.00267/ 6501.00275
- 14) not with 32xx ... BX4
- 15) special number K4456 for encoder IEP3 necessary

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Accessories also for circuit board variants usable with MC V2.5 and SC via customer-specific connection.

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**Motion Controller V3.0**

Article no.	Designation	Motor/ option	Encoder/ sensor	Filter	Interface/connector	Length	MC 5005 S RS/ CO/ ET with DC	MC 5005 S RS/ CO/ ET with BL	MC 5010 S RS/ CO/ ET with DC	MC 5010 S RS/ CO/ ET with BL	MC 5004 P RS/ CO/ ET with DC/ BL	MC 3001 B/P MC 3603 S
6501.00323	MC 50xx adapter set		all				•	•	•	•		
6501.00262	MC cable 5010	3274 ... BP4 4490 ... B/ BS			Brushless phase	2000 mm				•		
6501.00263	MC cable 5010	3274 ... BP4			Brushless Hall sensors	2000 mm				•		
6501.00264	MC cable 50xx	2264 ... BP4			Brushless Hall sensors + phase	2000 mm		•		•		
6501.00267	MC cable 50xx/ 3001 /3603		IE3/ IE2/ IEH2 IER3/ IERS3 HEDS IEF3			2000 mm	• (13)	• (13)	• (13)	• (13)		•
6501.00338	MC cable 50xx	BX4			Brushless phase	2000 mm	•	•	•	•		
6501.00275	Adapter cable for encoder		HEDS			130 mm	• (13)	• (13)	• (13)	• (13)		
6501.00377	MC cable 50xx/ 3001 /3603		IE3L IER3L/ IERS3L HEDL AESL IEF3			2000 mm	•	•	•	•		•
6501.00265	MC cable 50xx				DC supply	2000 mm	•		•			
6501.00269	MC cable 50xx				CAN	300 mm	• (2/11)	• (2/11)	• (2/11)	• (2/11)		
6501.00268	MC cable 50xx				RS232	300 mm	• (3/11)	• (3/11)	• (3/11)	• (3/11)		
6501.00224	MC cable 50xx				USB 2.0 A-MINI B connector	1000 mm	•	•	•	•		
6501.00266	MC cable 50xx/ 3001 /3603	1336 ... CXR 1727 ... CXR 1741 ... CXR	IEH3			2000 mm	•		•			•
6501.00223	MC 5005/ 5010 DIN rail mounting set						•	•	•	•		
6502.00338	Mounting adapter foot for top-hat rail						•	•	•	•		
6501.00375	DIN rail mounting set						•	•	•	•		
6501.00221	MC 5005/ 5010 connector set				Supply side		•	•	•	•		
6501.00222	MC 5005/ 5010 connector set				Motor side		•	•	•	•		
6501.00274	MC cable 50xx				EtherCAT, RJ45-RJ45	2000 mm	• (2/3)	• (2/3)	• (2/3)	• (2/3)	• (2/3)	• (2/3)
6501.00278	MC 5004 ribbon cable				EtherCAT, DIN-DIN (circuit board connection)	100 mm					• (2/3)	
6501.00279	MC 5004 ribbon cable				EtherCAT, DIN-DIN (basic board connection)	250 mm					• (2/3)	
6501.00272	MC cable 5004				EtherCAT, RJ45-RJ45 straight (circuit board connection)	200 mm					•	
6500.01681	MC 5004 motherboard MB4				Vertical connector						•	
6500.01676	MC 5004 motherboard MB4				Horizontal connector						•	
6501.00234	MB4 MC 5004 motherboard connector set				Supply side						•	
6501.00276	MB4 MC 5004 motherboard connector set				Controller						•	
6501.00134	BC 5004 braking chopper						•	•	•	•		
6501.00368	MC 50xx battery adapter		AEMTL				•	•	•	•		
6501.00369	MC cable 50xx battery adapter cable		AEMTL			150 mm	•	•	•	•		
6501.00370	MC cable 50xx/ 3001 /3603		AEMTL			2000 mm	•	•	•	•		•
6501.00371	MC cable 3001 /3603	BXT/ BX4			Brushless Hall sensors + phase	2000 mm						•
6501.00372	MC cable 3001 /3603	CR/ CXR			Phase	2000 mm						•
6501.00373	MC cable 3001 /3603		IEH3L			75 mm						•
6501.00359	MC 50xx connector set						•	•	•	•		
6501.00362	MC 3001 /3603 connector set				Motor- and supply side							•
6501.00360	MC 50xx connector set			EFS 5004/ 3004	DC supply		•	•	•	•		
6501.00350	MC 50xx supply filter			EFS 5004 S	DC supply		•	•	•	•	•	
6501.00357	MC 50xx motor filter			EFM 5003 S	Motor side		•	•	•	•	•	
6501.00358	MC 50xx motor filter			EFM 5008 S	Motor side		•	•	•	•	•	
6501.00351	MC 50xx motor filter			EFC 5008 S	Motor side		•	•	•	•	•	