



MOTION-CONNECT 300 HI
cables with straight
connectors and corresponding
connectors

What's **new**?

New connector design for SIMOTICS S-1FL6 Low Inertia SH50 motor and MOTION-CONNECT300 LI SH50 cable

New connector

“Old”



“New”

Customer benefits

- Lower height
- 360 rotation without disassembly
- Easy to go through hoses
- Price reduction for Cables and connectors






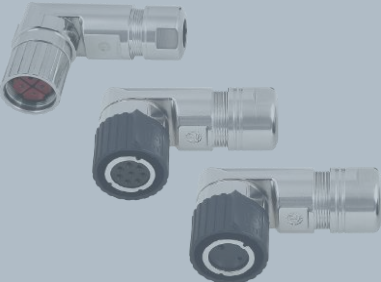
New designed connection technology addressed to

Motor	Connector			
	Power	TTL encoder	ABS encoder	Brake
SIMOTICS S-1FL6 LI SH 50	✓	✓	✓	✓

Compatibility

Non-compatible which means new connectors can not be applied to old motors or vice versa.

The connectors for the new and old products

	New product		Old product	
SIMOTICS S-1FL6 LI SH50 Motors		Angular connector		Straight connector
MOTION-CONNECT 300 LI SH50 cables		Straight connector		Angular connector
MOTION-CONNECT 300 LI SH50 connectors		Straight connector		Angular connector

Order Information





More information, please refer to official catalogue below:

<https://support.industry.siemens.com/cs/ae/en/view/109758233>

New motors

SINAMICS V90 200V and SIMOTICS S-1FL6 Low Inertia SH50 match table-NEW motors



SIMOTICS S-1FL6 LI	SINAMICS V90 200V	MOTION-CONNECT 300 Cables			
Article number	Article number	Power Cable	Encoder Cable		Brake Cable
		Article number	Absolute Encoder Cable	TTL Encoder Cable	Article number
			Article number	Article number	
1FL6052 -2AF21-2 <input type="checkbox"/> <input type="checkbox"/>	1 6SL3210-5FB11-5U <input type="checkbox"/> 0	6FX3002-5CK32-1 <input type="checkbox"/> <input type="checkbox"/> 	6FX3002-2DB12-1 <input type="checkbox"/> <input type="checkbox"/> 	6FX3002-2CT12-1 <input type="checkbox"/> <input type="checkbox"/> 	6FX3002-5BL03-1 <input type="checkbox"/> <input type="checkbox"/> 
1FL6054 -2AF21-2 <input type="checkbox"/> <input type="checkbox"/>	1 6SL3210-5FB12-0U <input type="checkbox"/> 0				





MOTION-CONNECT 300 connectors	Package Size	New MLFBs	Photo
Power connector	5 pcs/pack	6FX2003-0LL13	
ABS encoder connector	5 pcs/pack	6FX2003-0DB13	
TTL encoder connector	5 pcs/pack	6FX2003-0SL13	
Brake connector	5 pcs/pack	6FX2003-0LL53	





Note:
The straight connectors:
6FX2003-0LL13
6FX2003-0DB13
6FX2003-0SL13
6FX2003-0LL53
are equipped with the *crimp pin contacts* and you must assemble them with the specific crimping tool.
Specifications of pin contacts are noted on the its package. Please choose the crimping tool based on the specification of the pins.

Old motors

SINAMICS V90 200V and SIMOTICS S-1FL6 Low Inertia SH50 match table-OLD motors



SIMOTICS S-1FL6 LI	SINAMICS V90 200V	MOTION-CONNECT 300 Cables			
		Power Cable	Encoder Cable		Brake Cable
			Article number	Absolute Encoder Cable Article number	
1FL6052 -2AF21-0 <input type="checkbox"/> <input type="checkbox"/>	1 6SL3210-5FB11-5U <input type="checkbox"/> 0	6FX3002-5CK31-1 <input type="checkbox"/> <input type="checkbox"/> 0 	6FX3002-2DB10-1 <input type="checkbox"/> <input type="checkbox"/> 0 	6FX3002-2CT10-1 <input type="checkbox"/> <input type="checkbox"/> 0 	6FX3002-5BL02-1 <input type="checkbox"/> <input type="checkbox"/> 0 
1FL6054 -2AF21-0 <input type="checkbox"/> <input type="checkbox"/>	1 6SL3210-5FB12-0U <input type="checkbox"/> 0				

MOTION-CONNECT 300 connectors	Package Size	New MLFBs	Photo
Power connector	30 pcs/pack	6FX2003-0LL11	
ABS encoder connector	30 pcs/pack	6FX2003-0DB11	
TTL encoder connector	30 pcs/pack	6FX2003-0SL11	
Brake connector	30 pcs/pack	6FX2003-0LL51	



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Thank you!

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