

# 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   1 | 6SL3210-5FB11-5U  0 | 6FX3002-5CK32-1   0<br> | 6FX3002-2DB12-1   0<br> | 6FX3002-2CT12-1   0<br> | 6FX3002-5BL03-1   0<br> |
| 1FL6054 -2AF21-2   1 | 6SL3210-5FB12-0U  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.

# 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                                                                                                                                                               |  |  |                                                                                                                                                                                         |  |  |                                                                                                                                                                                         |  |  |                                                                                                                                                                                         |  |  |                                                                                                                                                                         |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|------------------------------------------------------------------------------------------------------|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| 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 -2AF21-0   |  |  | 1 6SL3210-5FB11-5U  |  |  | 6FX3002-5CK31-1   |  |  | 6FX3002-2DB10-1   |  |  | 6FX3002-2CT10-1   |  |  | 6FX3002-5BL02-1   |  |  |                                                                                                                                                                         |  |  |
| 1FL6054 -2AF21-0   |  |  | 1 6SL3210-5FB12-0U  |  |  |                                                                                                       |  |  |                                                                                                      |  |  |                   |  |  |                   |  |  |   |  |  |

| 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 |  |