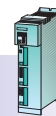


SIMOVERT MASTERDRIVES Motion Control

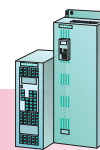
Selection and ordering data

Converters and inverters

Compact PLUS units



Compact and chassis units



Electronics options · Board/slot preconfiguration¹⁾

Designation	Order No.	Supplementary order code ⁶⁾	Weight, approx. kg (lb)	Dimensions W x H x D mm x mm x mm (in x in x in)
Encoder boards (An encoder board must always be ordered. Exception: V/f control)				
SBP Incremental-encoder evaluation (HTL/TTL (Impuls-encoder evaluation))				
Spare part ²⁾	6SE7090-0XX84-0FA0		0.3 (0.7)	20 x 90 x 95 (0.8 x 3.5 x 3.7)
Retrofit kit ³⁾	6SX7010-0FA00			
Plugged into slot A ⁴⁾		C11		
Plugged into slot B ⁴⁾ (only for Compact PLUS units!)		C12		
Plugged into slot C ⁴⁾ (motor encoder)		C13		
Plugged into slot D ⁴⁾ (only for compact and chassis units)		C14		
Plugged into slot E ⁴⁾		C15		
Plugged into slot F ⁴⁾		C16		
Plugged into slot G ⁴⁾		C17		
SBR1 Resolver evaluation without incremental-encoder simulation				
Spare part ²⁾	6SE7090-0XX84-0FB0		0.3 (0.7)	20 x 90 x 95 (0.8 x 3.5 x 3.7)
Retrofit kit ³⁾	6SX7010-0FB00			
Plugged into slot C ⁴⁾		C23		
SBR2 Resolver evaluation with incremental-encoder simulation				
Spare part ²⁾	6SE7090-0XX84-0FC0		0.3 (0.7)	20 x 90 x 95 (0.8 x 3.5 x 3.7)
Retrofit kit ³⁾	6SX7010-0FC00			
Plugged into slot C ⁴⁾		C33		
SBM Absolute-value encoder evaluation/incremental-encoder evaluation (sin/cos 1 Vpp (only as spare part for existing systems))				
Spare part ²⁾	6SE7090-0XX84-0FD0		0.3 (0.7)	20 x 90 x 95 (0.8 x 3.5 x 3.7)
SBM2 Absolute-value encoder evaluation/incremental-encoder evaluation (sin/cos 1 Vpp) (MC firmware versions ≥ 1.3)				
Spare part ²⁾	6SE7090-0XX84-0FE0		0.3 (0.7)	20 x 90 x 95 (0.8 x 3.5 x 3.7)
Retrofit kit ³⁾	6SX7010-0FE00			
Plugged into slot C ⁴⁾ (motor encoder)		C43		
Plugged into slots A, B, D, E, F, G ⁴⁾ (machine encoder)		C41/C42/C44 to C47		
Expansion boards				
EB1 Expansion board				
Spare part ²⁾	6SE7090-0XX84-0KB0		0.3 (0.7)	20 x 90 x 95 (0.8 x 3.5 x 3.7)
Retrofit kit ³⁾	6SX7010-0KB00			
Plugged into slots A to G ⁴⁾		G61 to G67		
EB2 Expansion board				
Spare part ²⁾	6SE7090-0XX84-0KC0		0.3 (0.7)	20 x 90 x 95 (0.8 x 3.5 x 3.7)
Retrofit kit ³⁾	6SX7010-0KC00			
Plugged into slots A to G		G71 to G77		
Drive coupling (rapid data exchange via fiber-optic cable)				
SLB for SIMOLINK				
Spare part ²⁾	6SE7090-0XX84-0FJ0		0.3 (0.7)	20 x 90 x 95 (0.8 x 3.5 x 3.7)
Retrofit kit ³⁾⁵⁾	6SX7010-0FJ00			
Plugged into slots A to G ⁴⁾⁵⁾		G41 to G47		
Communication boards (for slot location, see page 6/60)				
CBP2 for PROFIBUS DP				
Spare part ²⁾	6SE7090-0XX84-0FF5		0.3 (0.7)	20 x 90 x 95 (0.8 x 3.5 x 3.7)
Retrofit kit ³⁾	6SX7010-0FF05			
Plugged into slots A, B, C, E, G		G91/G92/G93/G95/G97		
CBC for CAN				
Spare part ²⁾	6SE7090-0XX84-0FG0		0.3 (0.7)	20 x 90 x 95 (0.8 x 3.5 x 3.7)
Retrofit kit ³⁾	6SX7010-0FG00			
Plugged into slots A, B, C, E, G		G21/G22/G23/G25/G27		
CBD Communication Board DeviceNet for DeviceNet	6SX7010-0FK00		0.3 (0.7)	20 x 90 x 95 (0.8 x 3.5 x 3.7)

1) The Compact PLUS units have three slots A, B and C. Compact and chassis units can be expanded to have up to 6 slots, A, C, D, E, F and G. For the various possible configurations, see Page 6/61.

2) Excluding connector, excluding documentation.

3) For retrospective mounting. The retrofit kit usually contains a board, plug-in connector and documentation but not adapter boards or LBA (see Page 3/8).

4) With appropriate connector.

5) With 2 FOC connectors, 1 connector for X470 and 5 m all-plastic FOC (fiber-optic cable).

6) When ordering the board, "-Z" and the corresponding code for direct mounting in the corresponding slot must be appended to the converter/inverter order no.