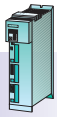

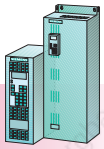

## Electronics options · Board/slot preconfiguration[1])

| 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** | **C**ommunication **B**oard **D**eviceNet 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.