

MANUFACTURER DOCUMENT PACKAGE

# Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS SINAMICS

## 6SL3351-6GE36-1AB3

CONTROL INTERFACE BOARD

Used with the applicable SINAMICS G power modules configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Siemens manufacturer documentation

**SIEMENS**

Device manual

**SINAMICS**

**S120**

AC Drive

Edition

11/2017

[www.siemens.com/drives](http://www.siemens.com/drives)

### 8.3.3 Interface description

#### 8.3.3.1 Overview

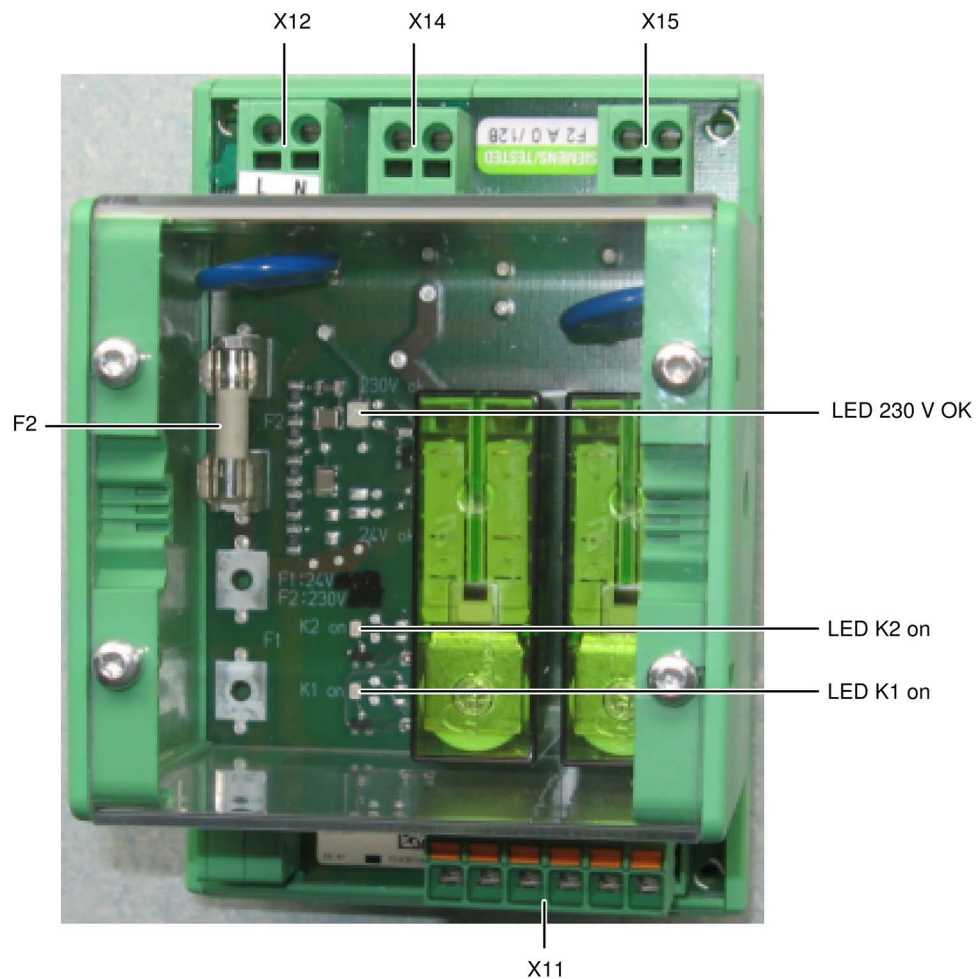


Figure 8-23 Interface overview, Safe Brake Adapter 230 VAC

#### F2 fuse

Type of spare fuse: 2 A, time-lag

### 8.3.3.2 X11 interface to the Control Interface Module

Table 8- 25 X11 interface to the Control Interface Module

| Terminal                                                     | Signal | Description                                                | Technical data                               |
|--------------------------------------------------------------|--------|------------------------------------------------------------|----------------------------------------------|
| X11.1                                                        | BR+    | Control channel 1                                          | Connection to Control Interface Board, X46.1 |
| X11.2                                                        | BR-    | Control channel 2                                          | Connection to Control Interface Board, X46.2 |
| X11.3                                                        | FB+    | Relay feedback signal                                      | Connection to Control Interface Board, X46.3 |
| X11.4                                                        | FB-    | Ground of the relay feedback signal                        | Connection to Control Interface Board, X46.4 |
| X11.5                                                        | P24    | P24 of the auxiliary voltage to supply the feedback signal | Connection to Control Interface Board, X42.2 |
| X11.6                                                        | M      | Ground of the auxiliary voltage                            | Connection to Control Interface Board, X42.3 |
| Max. connectable cross-section: 2.5 mm <sup>2</sup> (AWG 14) |        |                                                            |                                              |



#### WARNING

#### Fire due to overheating resulting from excessively long connecting cables

Excessively long power cables can cause overheating of components with resulting fire and smoke development.

- The maximum permissible cable length of 10 m between the 230 V AC Safe Brake Adapter and the Control Interface module must not be exceeded.

Use cable harness (length: 4 m) with article number 6SL3060-4DX04-0AA0.

### 8.3.3.3 X12 230 V AC power supply

Table 8- 26 X12 230 V AC power supply

| Terminal                                                     | Signal | Technical data                                                                    |
|--------------------------------------------------------------|--------|-----------------------------------------------------------------------------------|
| X12.1                                                        | L      | Supply voltage: AC 230 V                                                          |
| X12.2                                                        | N      | Current consumption: 2 A, protection according to IEC 60269-1, operating class gG |
| Max. connectable cross-section: 2.5 mm <sup>2</sup> (AWG 14) |        |                                                                                   |

### 8.3.3.4 X14 load connection

Table 8- 27 X14 load connection

| Terminal                                                     | Signal | Technical data                                                                             |
|--------------------------------------------------------------|--------|--------------------------------------------------------------------------------------------|
| X14.1                                                        | BR L   | Supply voltage: AC 230 V<br>Current consumption: 2 A, only for brakes with brake rectifier |
| X14.2                                                        | BR N   |                                                                                            |
| Max. connectable cross-section: 2.5 mm <sup>2</sup> (AWG 14) |        |                                                                                            |