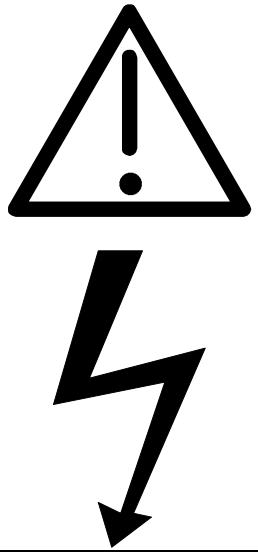
N O T E !

The information in this Manual does not purport to cover all details or variations in equipment, nor to provide for every possible contingency to be met in connection with installation, operation or maintenance.

Should further information be desired or should particular problems arise which are not covered sufficiently for the purchaser's purposes, please contact your local Siemens office.

Further, the contents of this Manual shall not become a part of or modify any prior or existing agreement, committment or relationship. The sales contract contains the entire obligation of Siemens. The warranty contained in the contract between the parties is the sole warranty of Siemens. Any statements contained herein do not create new warranties nor modify the existing warranty.

Warning information



W A R N I N G !

Electrical equipment has components which are at dangerous voltage levels.

If these instructions are not strictly adhered to, severe bodily injury and material damage can result.

Only appropriately qualified personnel may work on this equipment or in its vicinity.

This personnel must be completely knowledgeable about all the warnings and service measures according to this User Manual.

The successful and safe operation of this equipment is dependent on proper handling, installation, operation and maintenance.

Definitions

* **QUALIFIED PERSONNEL**

For the purpose of this User Manual and product labels, a „Qualified person“ is someone who is familiar with the installation, mounting, start-up and operation of the equipment and the hazards involved. He or she must have the following qualifications:

1. Trained and authorized to energize, de-energize, clear, ground and tag circuits and equipment inaccordance with established safety procedures.
2. Trained in the proper care and use of protective equipment in accordance with established safety procedures.
3. Trained in rendering first aid.

* **DANGER**

For the purpose of this User Manual and product labels, „Danger“ indicates death, severe personal injury and/or substantial property damage will result if proper precautions are not taken.

* **WARNING**

For the purpose of this User Manual and product labels, „Warning“ indicates death, severe personal injury or property damage can result if proper precautions are not taken.

* **CAUTION**

For the purpose of this User Manual and product labels, „Caution“ indicates that minor personal injury or material damage can result if proper precautions are not taken.

* **NOTE**

For the purpose of this User Manual, „Note“ indicates information about the product or the respective part of the User Manual which is essential to highlight.



C A U T I O N !

This board contains components which can be destroyed by electrostatic discharge. Prior to touching any electronics board, your body must be electrically discharged. This can be simply done by touching a conductive, grounded object immediately beforehand (e.g. bare metal cabinet components, socket protective conductor contact).



W A R N I N G !

Hazardous voltages are present in this electrical equipment during operation.

Non-observance of the safety instructions can result in severe personal injury or property damage.

It is especially important that the warning information in all of the relevant Operating Instructions are strictly observed.

Supplementary PG26 components:

a) Service Interface

* Interface hybrid circuit SS1 (20 mA) 6DD 1688-1AA0

* Interface hybrid circuit SS2 (V24) 6DD 1688-1AB0

* Cable PM - PG685 SC32 20 mA/10 m 6DD 1688-1DC0

b) Binary inputs and outputs

Cable:

* 10 pin 2.0 m SC7 6DD 1684-0AH0

Terminal block:

* SE4.1 6DD 1681-0AE1
  8 binary inputs or outputs,
  non-isolated, LED display

* SE 8 6DD 1681-0AJ0
  8 binary inputs or outputs,
  non-isolated

c) SITOR interface

Ribbon cable:

* 50 pin female/male no longer supplied by the SWE because of the high sensitivity to interference.
  Can be utilized over short distances inside a cubicle without interference sources. Customer manufacture aus SM4, SM4.1 and ribbon cable according to SN54234, see 4656849000.11MB.
  Utilization is solely the customers responsibility.

Round cable, screened:

* 50 pin 2 m SC17.2 6DD 1684-0BH2
  female/male

* 50 pin 10 m SC31.2 6DD 1684-0DB2
  female/male

These cables consist of screened round cable with twisted pair conductors. The screening is improved by using a plug casing at the connectors.

The SWE works only supplies these prepared cables. Special lengths must be manufactured by the customer. The cables are made according to the scale drawing 4656849000.11, which also contains all the necessary order numbers. The scale drawing is contained in the appendix.

The maximum permissible distance between the PG26 and the SITOR unit is 50m with this cable!

Interface boards:

* SE20.2 6DD 1681-0CA2
* Adapter board C 6QX 5340

6.4. Pin Allocation of the SITOR Interface X7M, X7S

The allocation of both interfaces is identical, the signals marked with an '*' are not utilized or generated at X7S.

PIN		Designation
1		Shield
2		Shield
3		Fuse monitor (fault = "L")
4		Shield
5		Voltage zero (L1-L3)
6		Shield
7	*	± I (actual) Frequency 60 ±30 kHz ± 2 I (N)
8	*	Reference voltage excitation current setpoint
9		External M24 ground
10		PULSE 1.6
11		External M24 ground
12		PULSE 1.3
13		Shield
14		External M24 ground
15		PULSE 2.4
16		External M24 ground
17		PULSE 2.1
18		U/SYN (Synchronization voltage) (STAR POINT)
19	*	I = 0 message excitation (I = 0 = "H")
20		Temperature monitor (fault = "L")
21		Shield
22	*	±U(A) actual frequency 60 ±30 kHz = ± U(AN)
23		Shield
24	*	± I(act) analog ± 10 V = ± I(N), not with SE20.2
25		Shield
26		External M24 ground
27		PULSE 1.4
28		External M24 ground
29		PULSE 1.1
30		PULSE 2.2
31		External M24 ground
32		PULSE 2.5
33		External M24 ground
34		U/SYN (L1)
35		Undervoltage monitor (fault = "L")
36		Shield
37		zero voltage transgression (L1 - L2)
38		Shield
39		I = 0-Message (I = 0 = "H")
40		Shield
41	*	Excitation current setpoint (0 - 10V)
42		PULSE 1.2
43		External M24 ground
44		PULSE 1.5
45		External M24 ground
46		External M24 ground
47		PULSE 2.6
48		External M24 ground
49		PULSE 2.3
50		Shield