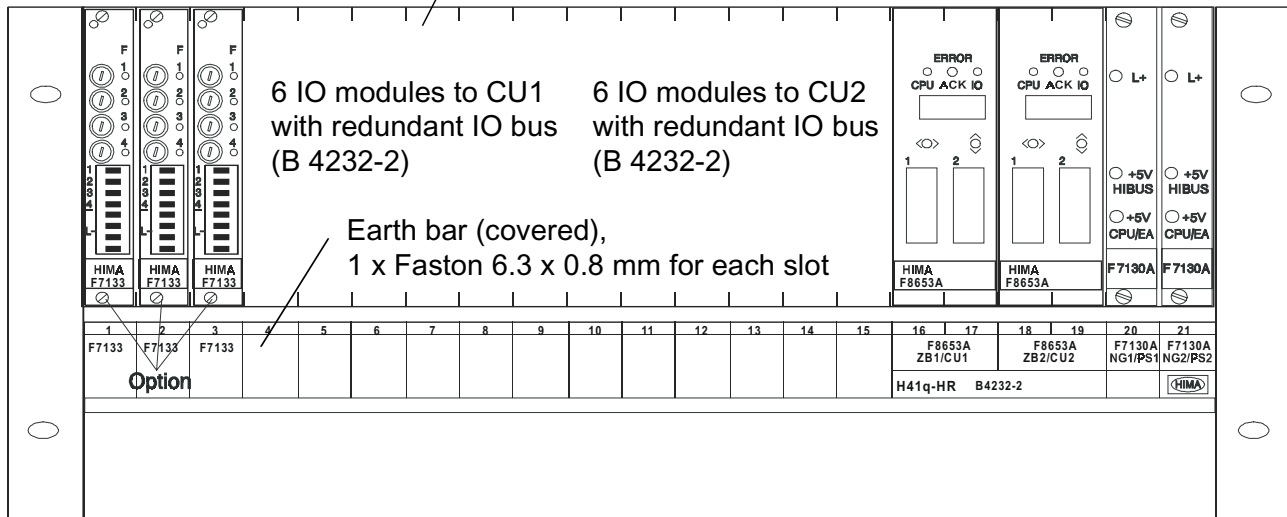




Assembly kit B 4232-1/-2
System H41q-H / B 4232-1
System H41q-HR / B 4232-2
compact PES for high and highest availability

K 1407A

CU1 CU2 PS1 PS2



Parts of the assembly kit B 4232-1/-2:

- 1 x K 1407A system rack, 5 units high, 19 inch with integrated cable tray, with a hinged receptacle for the label and backplane Z 1007A.
- additional modules on the rear
 - 2 x Z 6011 decoupling and fusing to feed the power supply modules
 - 1 x Z 6018 fan run monitoring and fuse monitoring
 - 1 x K 9212 fan module
 - 2 x Z 6013 decoupling and fusing for the supply voltage of the WD signal
 - 1 x Z 6007 jumper plug (only included in assembly kit B 4232-1)
 - 1 x Z 6017 jumper plug (only included in assembly kit B 4232-2)

include the modules:

- 2 x F 8653A central module (CU1, CU2)
- 2 x F 7130A power supply module 24/5 V DC (PS1, PS2). The 5 V outputs of both power supplies are switched in parallel.

Modules for option (separate order)

- 3 x F 7133 4-fold power distribution
- max. 12 IO modules (slot 4 to 15) resp. 2 x 6 IO modules, slot 4 to 9 related to central module 1 and slot 10 to 15 related to central module 2 if used as assembly kit B 4232-2.

The assembly kit is usable since operating system BS 41q/51q V7.0-7.

Wiring of the assembly kit connections

Wirings to be done by the user (refer to "Wiring of the assembly kit, diagram):

Supply 24 V DC

Connection	Wire and connection	Fusing	Use
XG.24/25:2 (L+)	RD 2,5 mm ² , Faston 6,3 x 0,8	max. 16 A gL	PS1, PS2
XG.24/25:1 (L-)	BK 2,5 mm ² , Faston 6,3 x 0,8		Reference pole L-
XG.6 (L+)	RD 2,5 mm ² , Faston 6,3 x 0,8	max. 16 A gL	F 7133, Slot 3
XG.7 (L+)	RD 2,5 mm ² , Faston 6,3 x 0,8	max. 16 A gL	F 7133, Slot 2
XG.8 (L+)	RD 2,5 mm ² , Faston 6,3 x 0,8	max. 16 A gL	F 7133, Slot 1
XG.14 (L-)	BK 2 x 2,5 mm ² , Faston 6,3 x 0,8 (see note)		Reference pole L-

Note: To be wired to the central L- bus bar with at least 2 x 2,5 mm² BK. If output modules with 2pole connection to the actors are used depending on the load up to 4 x 2,5 mm² BK wiring is necessary

Connection of the monitoring loop (for fuses and fan)

Connection	Wire and connection	Fusing	Use
XG.21:4/5/6	GY 0,5 mm ² , Faston 2,8 x 0,8	max. 4 A T	Floating NO/NC contact for signalling

Connections of the WD to B 4232-2

Connection	Procedure
XG.12 and XG.13	Remove override between both connections

Internal fuses

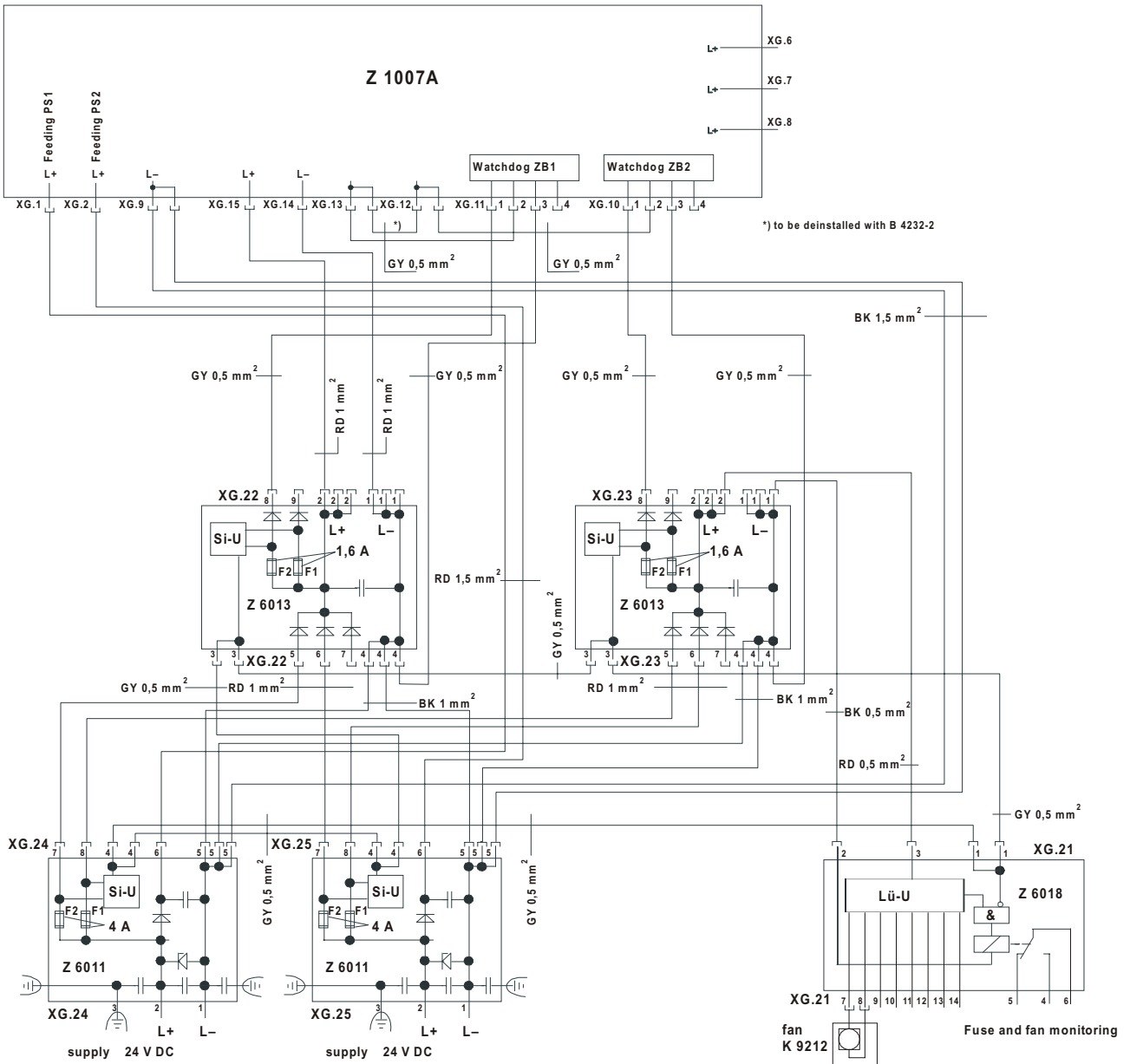
Position	Size	Dimension	HIMA part no.
Z 6011	4 A T/slow	5 x 20 mm	57 0174169
Z 6013	1,6 A T/slow	5 x 20 mm	57 0174409

Note for earthing

With installation of the assembly kit a conductive connection to the frame or a separate earth connection has to be installed according to the EMC requirements.

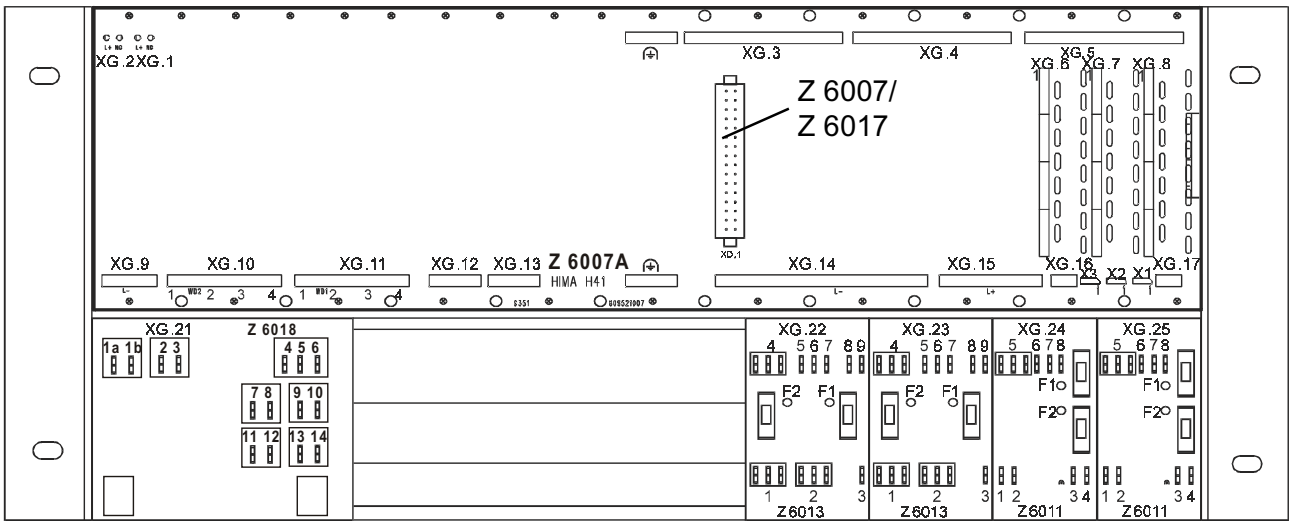
Connection: Faston 6,3 x 0,8 mm

Attention: Pay attention for the manufacturers information concerning detaching and replugging of the Faston connectors!



Lü-Ü = Fan monitoring
Si-Ü = Fuse monitoring

Wiring of the assembly kit, diagram



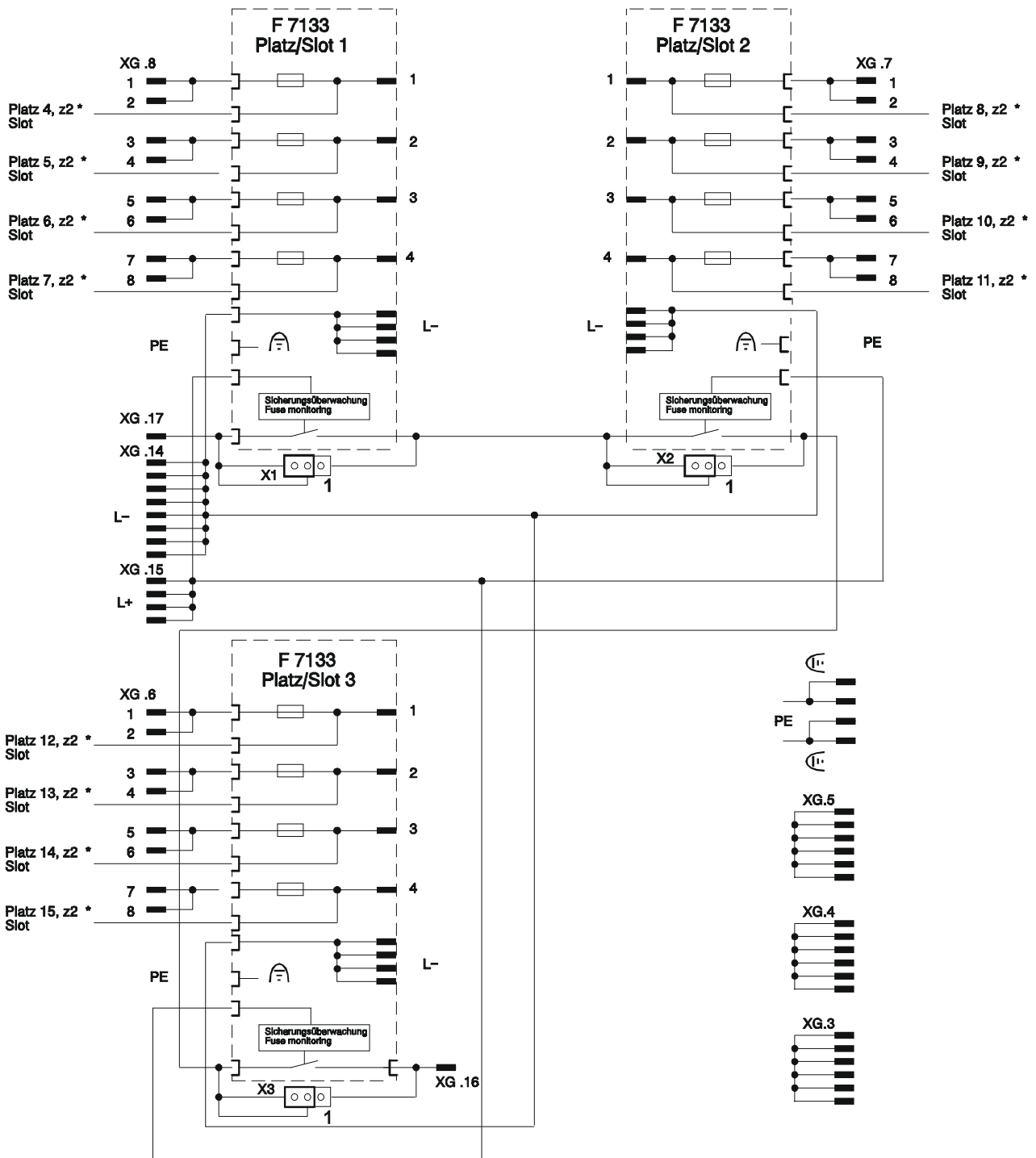
Rear

Connections on the rear of the system rack K 1407A:

- XG. 1, XG .2 Supply L+ for the power supply modules
Reference pole: XG. 9 (L-)
 - XG. 3, XG. 4 Potential distributor, free disposal of
XG. 5
 - XG. 6 L+ to F 7133, slot 3
 - XG. 7 L+ to F 7133, slot 2
 - XG. 8 L+ to F 7133, slot 1
 - XG. 9 L- for the power supply modules
 - XG. 10 Watchdog-Signal from CU2
 - XG. 11 Watchdog-Signal from CU1
 - XG. 12 Watchdog signal for I/O modules,
2nd IO bus
 - XG. 13 Watchdog signal for I/O modules,
1st IO bus
 - XG. 14 Potential distributor L-
 - XG. 15 L+ for fuse monitoring F 7133
 - XG. 16, XG .17 Fuse monitoring (neutral contacts on
current distribution module F 7133, not
equipped F 7133 can be overridden
by the jumpers X1 ... X3)
- = Slot equipped

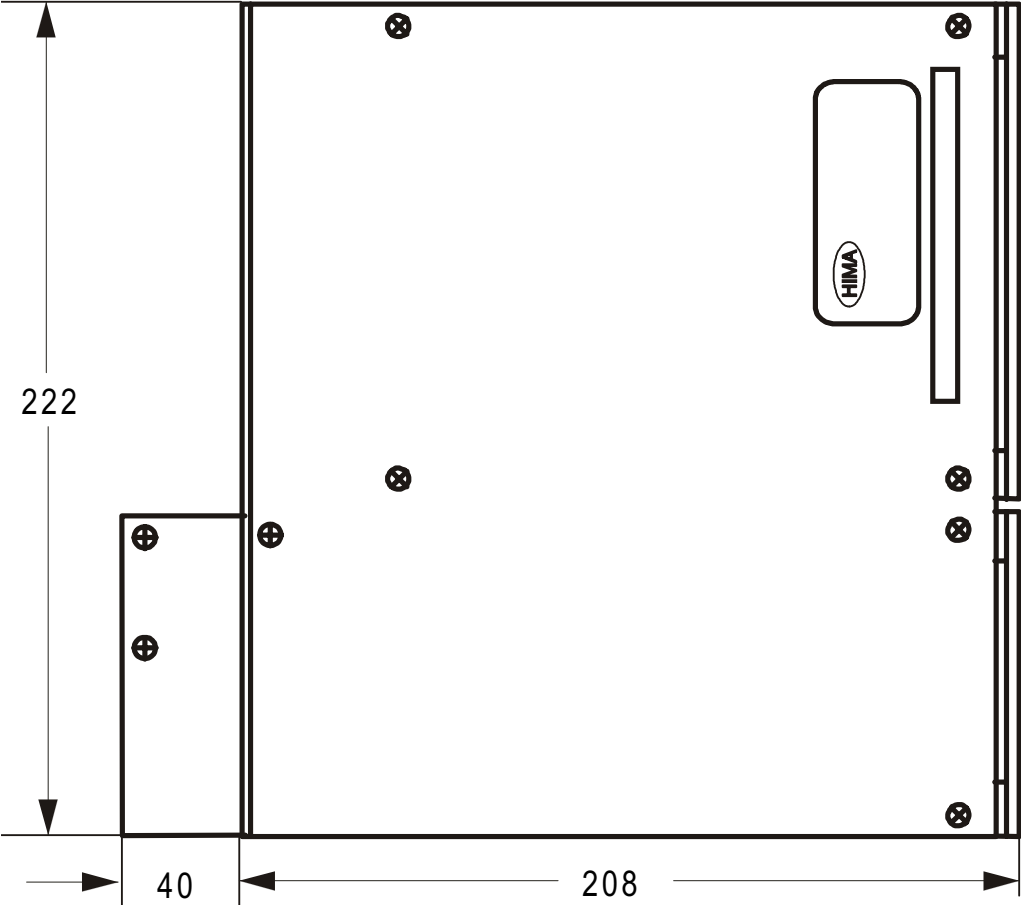
 PE (earth)

- Connections of the additional. modules Z 6011, Z 6018, Z 6013:
- XG. 21 refer to
 - XG. 22, XG .23 wiring of the assembly kit,
 - XG. 24, XG. 25 diagram



* Hinweis: Feste Platzzuordnung durch Verbindung über Busplatine
 Note: Fix related to the slots due to the connection via bus board

Supply, monitoring and distribution of the 24 V system voltage in the I/O level and potential distribution



Side view