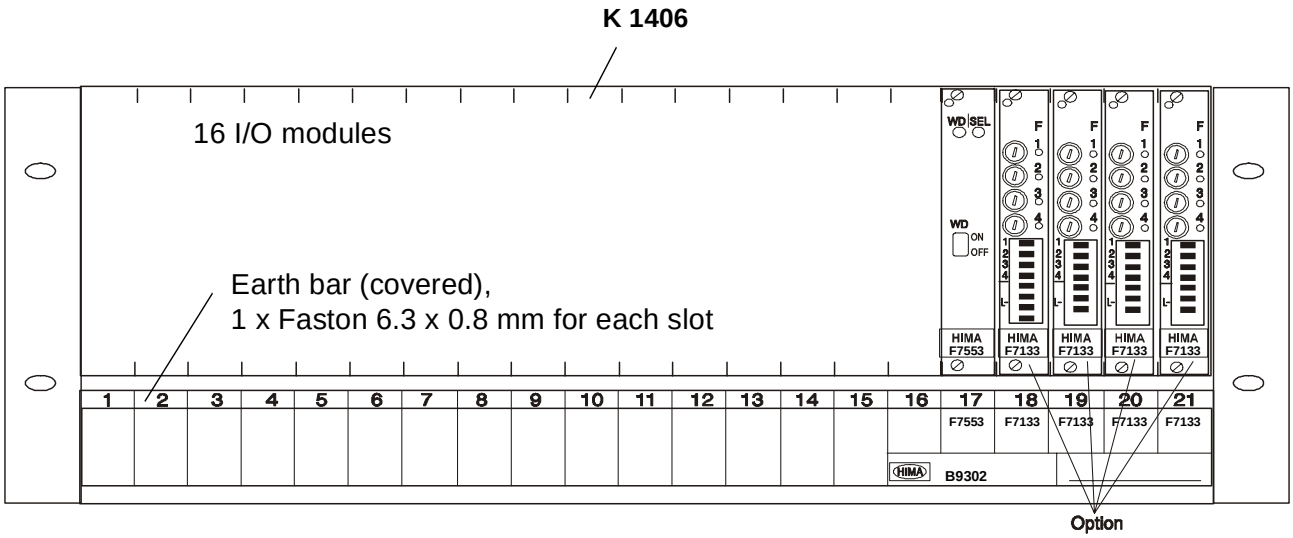
B 9302

Assembly kit B 9302-0,5 (-1, -X)
I/O-rack 4 units high



Parts of the assembly kit B 9302:

- 1 x F K 1406 I/O rack, 4 units high, 19 inch, with integrated cable tray, with a hinged receptable for the lable
- 1 x F 7553 Coupling module (in slot 17)
- 1 x BV 7032 flat cable, length is dependent on the order. Standards are B 9302-0,5 (with 0.5 m cable) and B 9302-1 (with 1 m cable). Assembly kit with choosable cable length B 9302-X. Total bus length is maximum of 30 m.

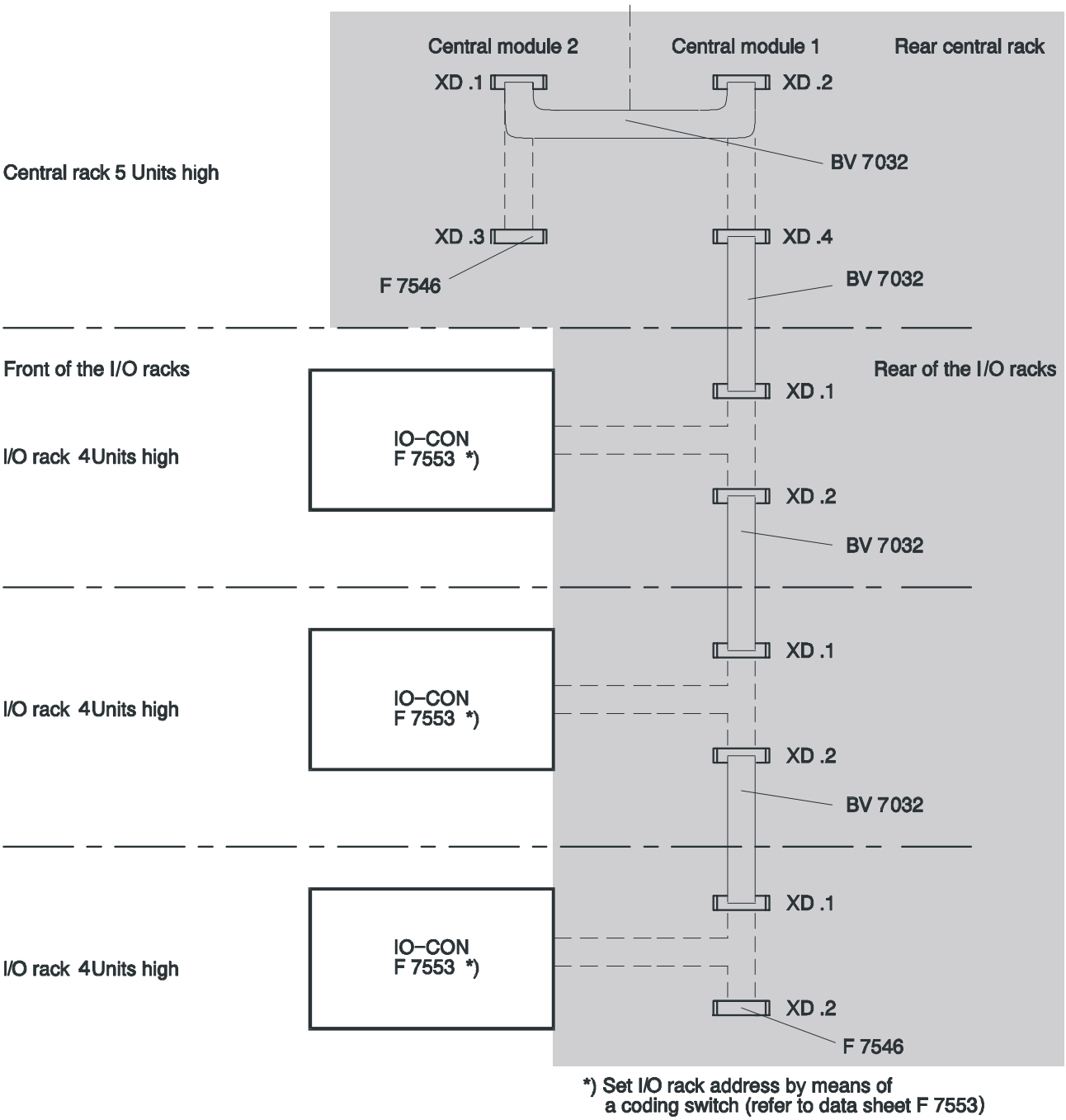
The slots 1 through 16 of the rack K 1406 are reserved for I/O modules.

Modules for option (separate order):

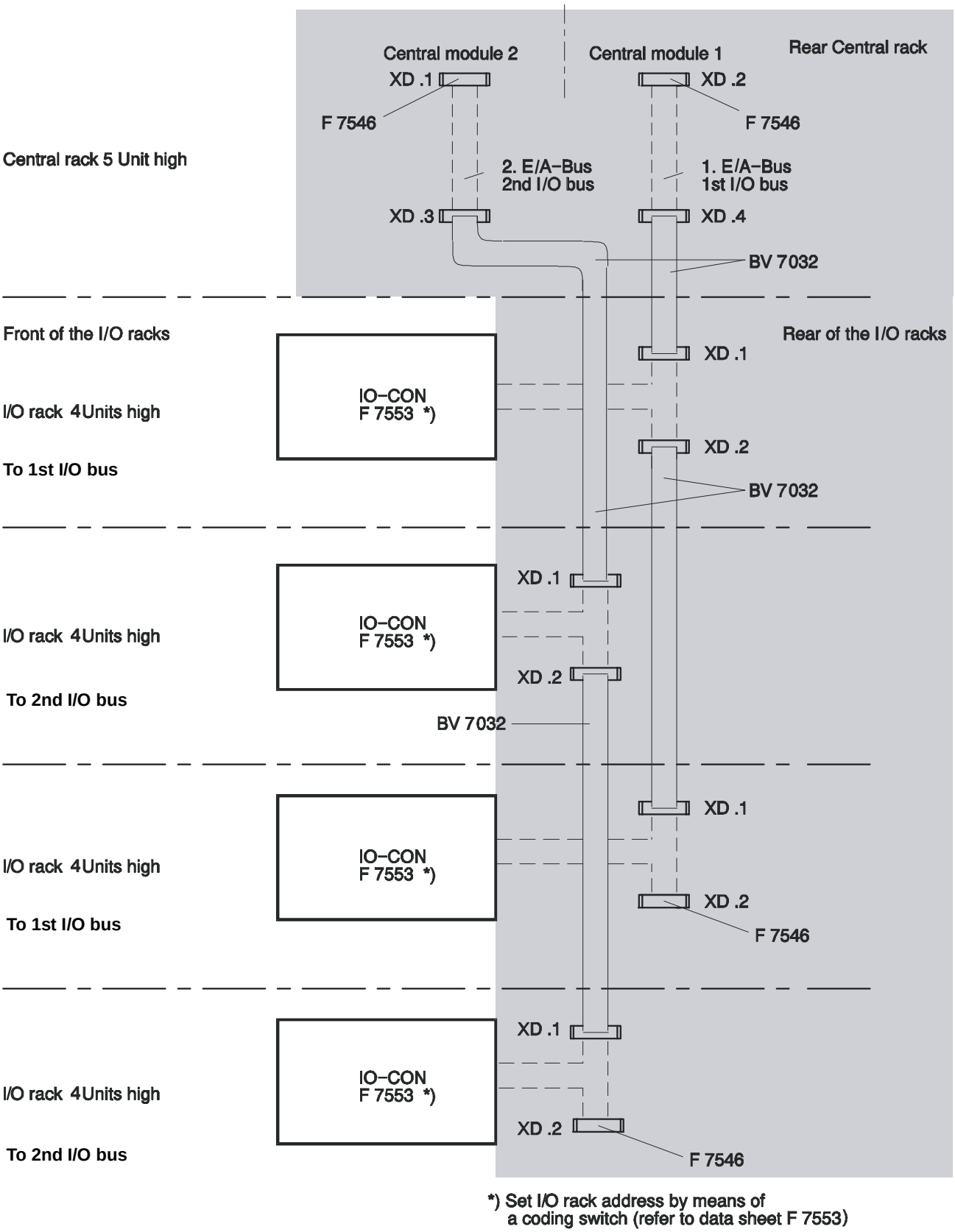
- 1 ... 4 x F 7133 4-fold power distribution with fuses (slots 18 ... 21) to fuse and distribute L+ (EL+) and L-.

The fuse monitoring on the current distribution modules are internally switched in series. A corresponding fault signal is served via a neutral contact. The fault contact of a not installed current distribution module is bypassed by a jumper.

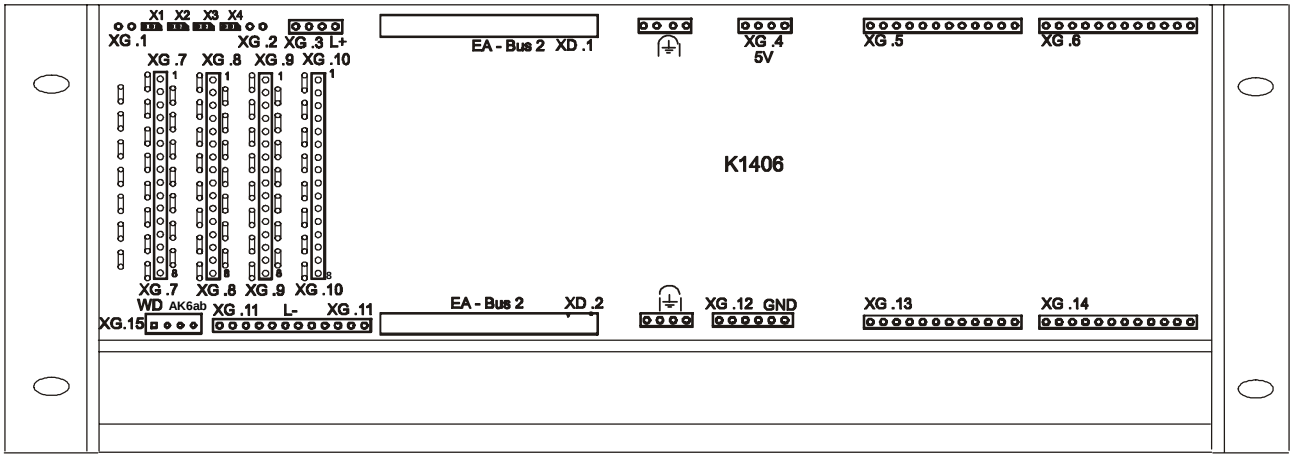
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HIMA Paul Hildebrandt GmbH + Co KG, Postfach 1261, 68777 Brühl



Wiring of the single channel I/O bus



Wiring of the redundant I/O bus



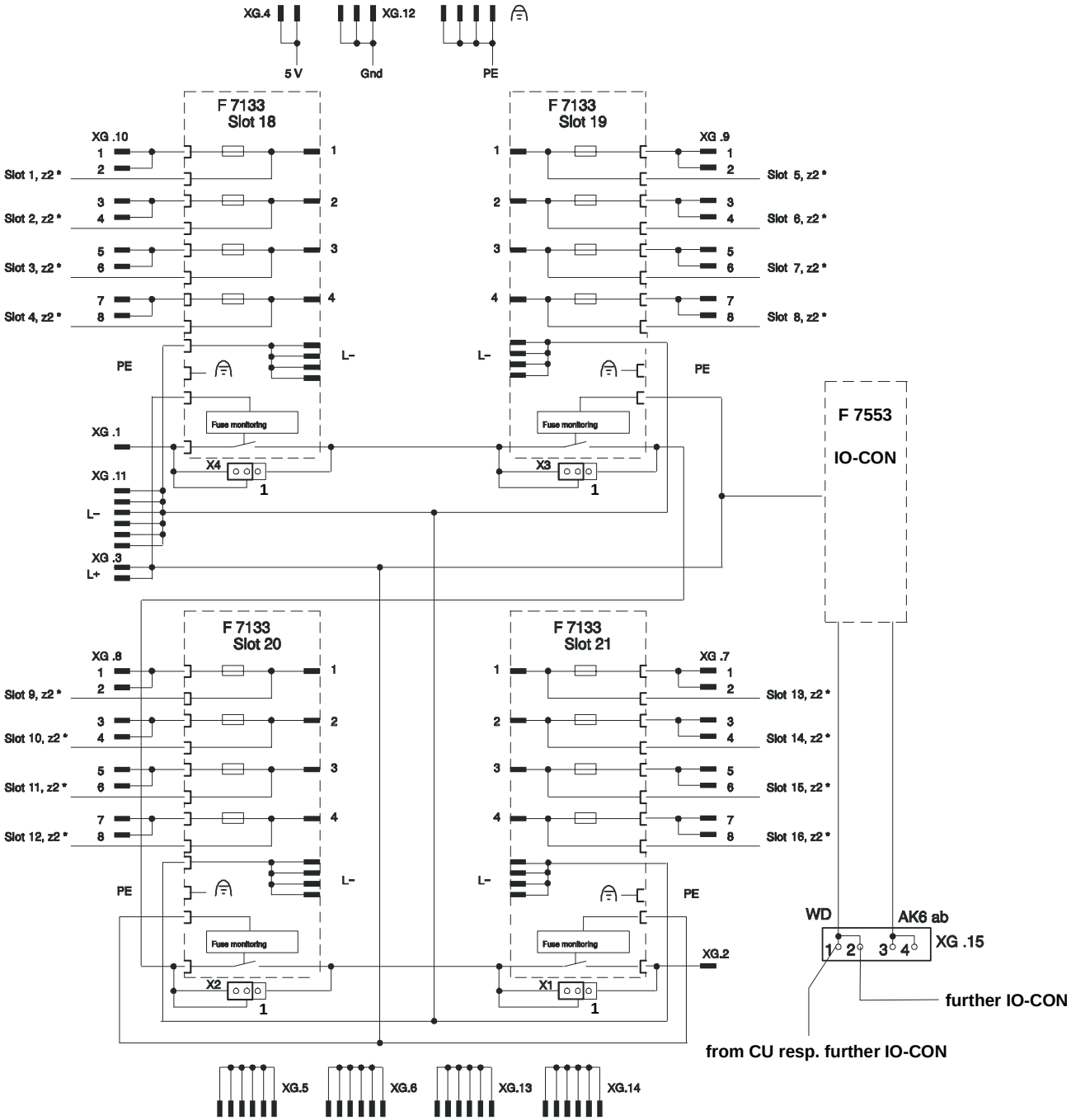
Rear

Connections on the rear of the I/O subrack K 1406 (refer also to: Supply, feeding and distribution of the 24 V system voltage, diagram):

XG .1, XG .2	Fuse monitoring (neutral contacts on current distribution module F 7133, not equipped F 7133 slot can be overrided by the jumpers X1 ... X4) ▬▭ = Slot equipped
XG .3	Supply EL+ for F 7133 and F 7553 To be wired with output XG. 24/25 of the central rack Reference pole: XG .11 (L-)
XG. 4	+ 5 V To be wired with XG. 2 of the central rack Reference pole: XG .12 (Gnd)
XG .5	Potential distributor, free disposal of
XG .6	Potential distributor, free disposal of
XG. 13	Potential distributor, free disposal of
XG .14	Potential distributor, free disposal of
XG .7	L+ to F 7133, slot 21
XG .8	L+ to F 7133, slot 20
XG .9	L+ to F 7133, slot 19
XG .10	L+ to F 7133, slot 18 Max. backup fuse 25 A gL each
XG .11	Potential distributor L- Note: To be wired to the central L- bus bar with at least 2 x 2,5 mm^2 sw. If output modules with 2pole connection to the actors are used depending on the load up to 4 x 2,5 mm^2 sw wiring is necessary
XG.12	Potential distributor GND To be wired with XG. 3 of the central rack
XG .15 (1+2)	WD (Watchdog signal) from the central module XG. 1, or from XG. 15 of another I/O subrack

XD .1, XD .2 I/O bus from central rack/to further I/O subracks resp. bus termination module

PE (earth)



* Note: Fix related slots due to the connection via bus board

Supply, monitoring and distribution of the 24 V system voltage inclusive potential distribution, diagram