

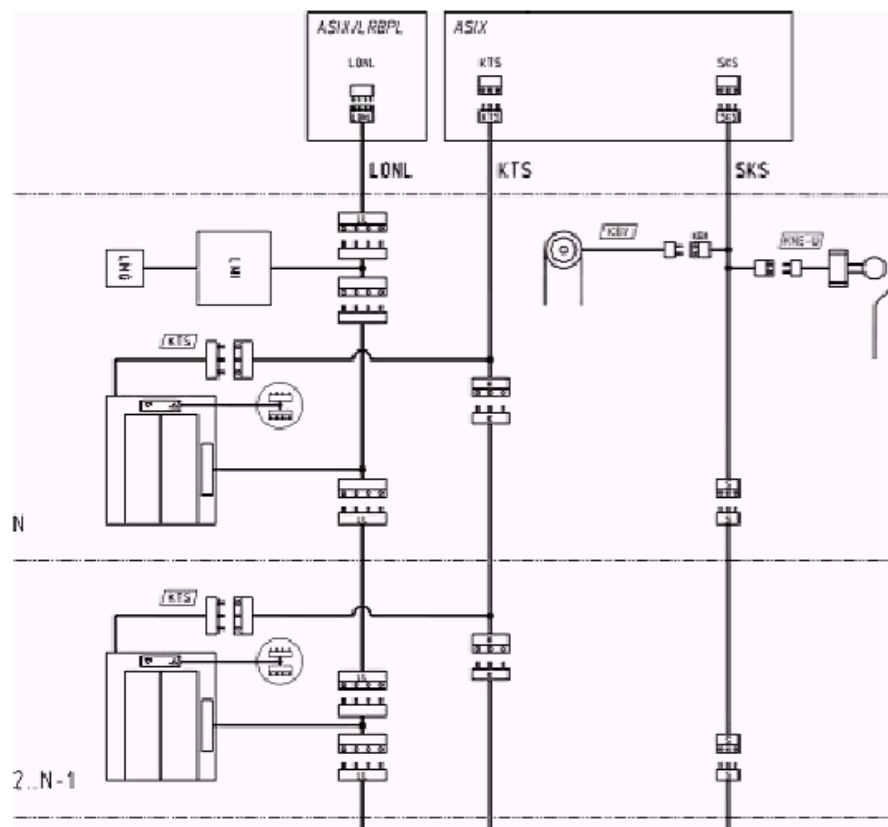


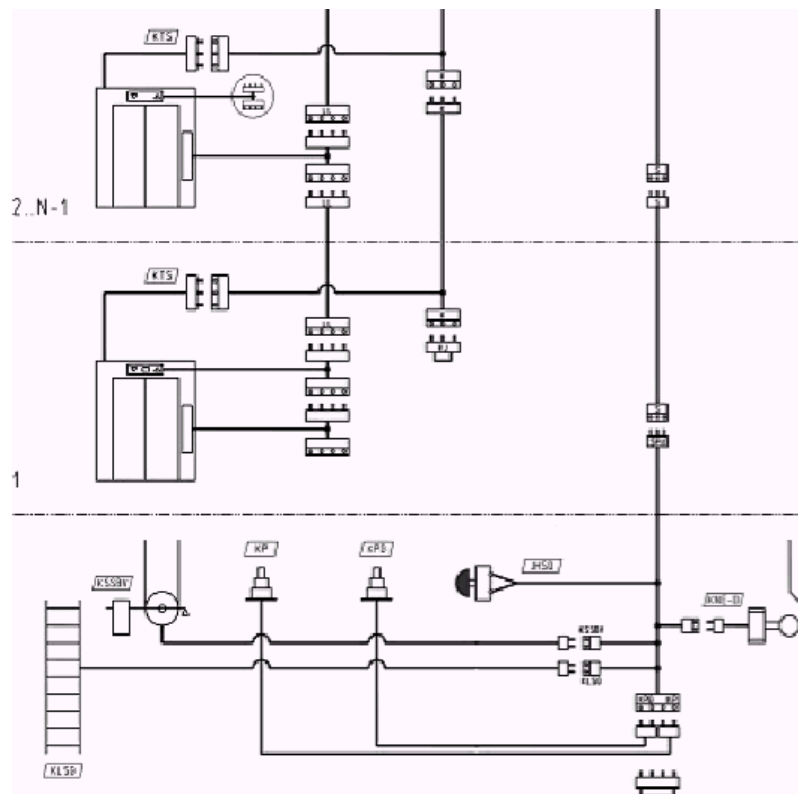
K 604292 E

Line Type	Description
<i>Left-hand (LONL, KTS, SKS, LONG)</i>	
	Common cable routing
	LON (lift and / or group) to landing elements
	SKS (incl. hoistway headroom / hoistway pit)
	KTS (hoistway door contacts)
<i>Right-hand (ADIE)</i>	
	ADIE (position indicator on floors)

*Cable Routing***Base Set**

The **basic set** contains the **components required for a simplex installation**; The **individual cables LONL, KTS and SKS** are tied together with the cables of The basic set. The **entire bundle is always used**, even for a second access side should there be one - where the SKS cable is not used. The following figure shows the installation principle (example: Simplex, one access side), followed by a step-by-step instruction:





Rules For Laying Base Cables:

	Component	Description.
1600	Cabinet outgoing cables - basic set	Connect the bundled cabinet outgoing cables with individual cables LONL, KTS and SKS inside the cabinet (ASIX3 / LRBPL) and route to the side of the panel. Available lengths: • 593164: 6 m • 593165: 10 m • 593166: 20 m <i>Set aside the pit set and the terminals for KTS and - depending on the installation at hand - KP/KPG for later.</i>
1601	Headroom	Connect the safety circuit components in the headroom to the corresponding connectors on the SKS harness of the cabinet outgoing cable (KBV, KNE-U).
1602	Basic floor set	Use the bundled floor set cable with individual harnesses LONL, KTS, LIM and SKS for the connections between floors. Available lengths: • 593192: 3.6 m • 593193: 6 m For longer distances between floors, several floor set cables are to be connected together to obtain the desired length.



		Note: With cables used to obtain an extension (without any floor connected), it is essential that KTS be bridged using the KTS jumper (593249).
1603	Hoistway pit	Connect the hoistway pit set to the floor set for the bottom floor (if necessary using an extension) and install and connect the hoistway components. • Install the hoistway pit switch JHSG outside the hoistway door zone so that it is not exposed to any water at all; • Connect the safety circuit components in the pit to the corresponding connectors in the pit set (KLSG, KNE_D and KSSBV); • If available, connect the buffer contacts (KP, KPG); if not, use jumpers; • Make sure that KTS is terminated with the KTS jumper if there is only one entrance side.
1604	Second entrance (where applicable)	Using connected floor sets, extend the cables LONL and KTS to reach the side of the panel for the second entrance (SKS is routed, too, even though it will not be used). When doing so, with the cables used for extension always bridge KTS using the KTS jumper (593249) .
1605	Basic floor set for second entrance	As in step 3, make the connections between the floors on the second entrance side (here, too, SKS is routed along with the other cables, even though it will not be used). On the last floor, terminate KTS using the KTS jumper .
1606	Fixtures and indicators, building interface(s), load measurement	The elevator components of the MX Fixtures may now be connected in accordance with the specifications in the layout drawing/schematic. Check to make sure that the floor numbers are set correctly (see " K 604328 "). Other connections are necessary LIM and BIB Boxes with elevator functions as well as load measurement in fix point (LONLMS-2) .

Position Indicators: On elevators with **car position indicators on more than one floor**, the cable set **ADIE** is also to be laid (installation principle same as for group bus):



Rules for laying the ADIE Cable:

Step	Component	Description.
1607	Cabinet outgoing cable ADIE	Connect the cabinet outgoing cable ADIE inside the cabinet (LRBPL) and route it to the side of the fixtures. Available lengths: • 593201: 6 m • 593202: 10 m • 593203: 20 m
1608	Floor set ADIE	Use floor set cable ADIE to interconnect the floors. Available lengths: • 593196: 3.6 m • 593197: 6 m For longer distances between floors, several floor set cables are to be connected together to obtain the desired length.
1609	Second entrance (where applicable)	As in step 1, use the second cabinet outgoing cable to connect the second entrance side.
1610	ADIE floor set for second entrance	As in step 2, make the connections between the floors on the second entrance side.
1611	Car position indicators	The car position indicators may now be connected in accordance with the specifications in the layout drawing/schematic. Check to make sure that the floor numbers are set correctly (see "K 604328") .

Fitting the Building Interface Box (BIB) The interface with the building options is provided by the **Building Interface Box (BIB)**, which can operate **using either the LON elevator bus or the LON group bus** depending on the type of options. It is delivered pre-configured and includes a LON back plane (LONCUB) with up to eight option boards (NWRIO4). There may be **several elevator or group Bib's on any one elevator.**

Installation The BIB is fitted at an appropriate location in the hoistway one for each landing where key switches are required and mounted onto the hoistway wall using two screws:

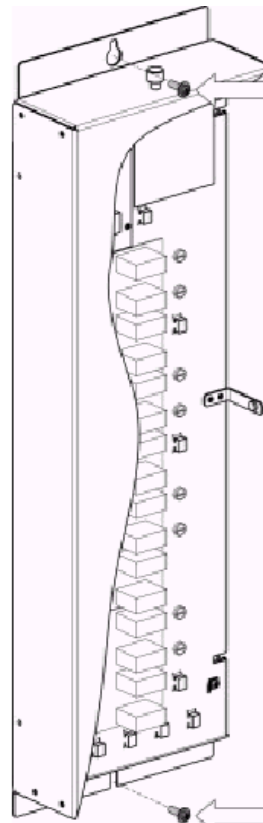


Danger !

During and also once installation is finished, keep the BIB box cover closed in order to keep the box dust and problem free!



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Mounting of BIB



For the exact position, see the layout drawing.

Connecting the BIB box:

Step	Component	Description.
1612	Switch positions	Before making any connections, check the configuration of the NWRIO4 option boards with the relevant option (two hexadecimal switches). The pre-configured switch positions are indicated on a sticker on the BIB.
1613	Connecting the options	The options are to be connected to the corresponding NWRIO4 boards in accordance with the diagram.
1614	LON connection	The LON connection of the BIB is designed as a T piece - like a landing panel or indicator - and is mounted between the landing sets in the LON bus along with the fixtures and indicators . Note: Check whether the BIB is to be connected to the LON elevator bus or the LON group bus.

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