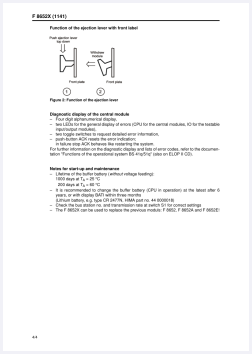
FIELD INSTALLATION QUICK GUIDE

Installation Instructions

F8652X

Redundant safety central module



PRODUCT	F8652X
FAMILY	HIQuad H41q central processing
FUNCTION	Redundant safety central module
STATUS	Verify exact installed equipment

Prepared by Amikon Limited from HIMA documentation. This guide supplements the complete manufacturer manual and site procedure.

01 CONFIRM THE ORDERED CONFIGURATION

Processor arrangement	Two clock-synchronized microprocessors
Processor architecture	Intel 386EX, 32-bit
Clock frequency	25 MHz
Operating-system memory per CPU	1 MB Flash-EPROM
User-program memory per CPU	1 MB Flash-EPROM; utilization depends on OS
Data memory per CPU	1 MB SRAM; utilization depends on OS

02 PREPARATION AND CONNECTION

- Follow the applicable H41q safety procedure before central-module work.
- Record S1 station and transmission-rate settings before removal.
- Fully loosen the fixing screws before operating the ejection lever.
- Seat the module completely using the insertion motion in the HIMA sheet.

03

OFFICIAL INSTALLATION REFERENCE

F 8652X (1141)

Function of the ejection lever with front label

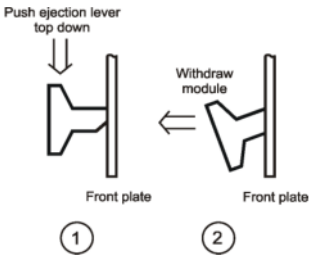


Figure 2: Function of the ejection lever

Diagnostic display of the central module

- Four digit alphanumerical display,
- two LEDs for the general display of errors (CPU for the central modules, IO for the testable input/output modules),
- two toggle switches to request detailed error information,
- push-button ACK resets the error indication;
  in failure stop ACK behaves like restarting the system.

For further information on the diagnostic display and lists of error codes, refer to the documentation "Functions of the operational system BS 41q/51q" (also on ELOP II CD).

Notes for start-up and maintenance

- Lifetime of the buffer battery (*without* voltage feeding):
  1000 days at T_A = 25 °C
  200 days at T_A = 60 °C
- It is recommended to change the buffer battery (CPU in operation) at the latest after 6 years, or with display BATI within three months
  (Lithium battery, e.g. type CR 2477N, HIMA part no. 44 0000018)
- Check the bus station no. and transmission rate at switch S1 for correct settings
- The F 8652X can be used to replace the previous moduls: F 8652, F 8652A and F 8652E!

Official manufacturer page reproduced at its original aspect ratio.

04 COMMISSIONING CHECKS

01	Verify F8652X and the H41q host configuration.
02	Check the 5 V supply and 2 A module power budget.
03	Confirm S1 station number and transmission rate.
04	Restore the approved operating system and user program.
05	Interpret CPU and IO indications using the HIMA error list.
06	Perform the required watchdog and safety validation.

05 CONTROLLED DOCUMENT

Official source	HIMA F 8652X (1141), pages 1-4.
Product record	F8652X
Manufacturer	HIMA
Warranty	12 months from AMIKON
Support	INFO@AMIKON.CN

AMIKON PRODUCT SUPPORT

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