

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

ABB ADVANT AC800F-FREELANCE

LD800HSE 3BDH000320R02

FOUNDATION FIELDBUS LINKING DEVICE

Used with the applicable ABB AC 800F fieldbus devices configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: ABB official manufacturer documentation

Appendix A Technical Data

The following table details the technical data of LD 800HSE device:

Power Supply	Supply voltage	24 V DC (+- 20%)
	Power consumption	typ. 200 mA
Mechanical Properties	Dimensions	(length x height x width) 47 x 131 x 111 mm, mounted on DIN rail 35 mm (DIN EN 50 022)
	Weight	approx. 0.4 kg
	Degree of protection	IP 20
Environmental Conditions	Operating temperature	0° C .. +55° C, non-vertical mounting and hampered air convection may reduce upper temperature limit
	Storage temperature	-20° C ... +70° C
	Relative humidity	0%...95%, non-condensing
Ethernet Interface	Number of channels	1
	Port	Ethernet 10BASE-T/100BASE-TX, RJ45
	Transfer rates	10 Mbit/s or 100 Mbit/s (autosensing)

Category	Title	Description
Hardware	Data Sheet FOUNDATION Fieldbus Linking Device LD 800HSE 3BDD011675	This manual contains technical data of the linking device LD 800HSE.
	Release Notes FOUNDATION Fieldbus Linking Device LD 800HSE 3BDD011679	This document provides information not contained in the ordinary manuals, sales information or other types of product information for the linking device LD 800HSE. It describes known software or documentation problems and errors that were discovered at too late a date to be included in the current user instructions.
	Instruction Leaflet FOUNDATION Fieldbus Linking Device LD 800HSE 3BDD011720	This manual provides basic instructions for installing the hardware and links to detailed information needed for configuration and commissioning of the linking device LD 800HSE.
Software	Configuration Manual System 800xA Device Management, FOUNDATION Fieldbus 3BDD012902	This manual provides detailed instructions on the configuration and commissioning of FOUNDATION Fieldbus subsystems with the Fieldbus Builder FOUNDATION Fieldbus.
	Engineering Reference Manual Communications and Fieldbusses AC 800F 3BDD012515	Among other information related to communications and fieldbusses connected to the AC 800F controller this document provides detailed instructions on the configuration and commissioning of FOUNDATION Fieldbus subsystems with the Control Builder F.

Safety Summary (continued)

GENERAL WARNINGS

Equipment Environment

All components, whether in transportation, operation or storage, must be in a noncorrosive environment.

Electrical Shock Hazard During Maintenance

Disconnect power or take precautions to insure that contact with energized parts is avoided when servicing.

Installation in Hazardous Locations

For general requirements on installation, rules for installing, commissioning, maintaining and the appropriate use of LD 800HSE EX in hazardous atmospheres, See page 25 and See page 125.

The present manual does not supersede the relevant national regulations, standards and directives. These must be observed and have to be applied according to the national conditions.