



Hänel Overview List Installation Instructions

Lean-Lift

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Installation Instructions and Supplementary Installation Instructions

Lean-Lift

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1. Overview list of the Installation Instructions

Lean-Lift version according to order confirmation	Marked (x) installation and setting instructions, and cable routing diagrams are part of the machine documentation
Standard model	
Security Light curtain at the access point on each retrieval point according to drawing "LL-LV15095.dwg" <u>or</u> Light curtain at the access point on each retrieval point according to drawing "LL-LVS.dwg"	Installation Instructions for WERAC Safety Light Curtain Directly in Front of the Access Point (LV15095 or LVS) INSTLICHTSCB-WERAC <u>or</u> Installation Instructions for CEDES Safety Light Curtain Directly in Front of the Access Point (LVS) INSTLICHTSCB-CEDES
Security Light curtain in front of access point on each retrieval point according to drawing "LL-LVH.dwg"	Installation Instructions for WERAC Safety Light Curtain at a Distance in Front of the Access Point (LVH) INSTLICHTSCC-WERAC <u>or</u> Installation Instructions for CEDES Safety Light Curtain at a Distance in Front of the Access Point (LVH) INSTLICHTSCC-CEDES
<u>Not available for:</u> with LED-ledge below in front of the access point <u>or</u> special retrieval opening for operation with lifting trolley/pallet stacker <u>or</u> automatic extraction of container <u>or</u> with order-picking control strip in front of the access point <u>or</u> with guide rails (full depth) <u>and</u> Load capacity: > 500kg (1102 lbs.)	Installation Instructions for Siemens Main Switch in Bottom Front Panel INSTLL-MSW
with LED-ledge below in front of the access point	Installation Instructions for Siemens Main Switch in Bottom Front Panel with LED Strip INSTLL-MSLED
with stainless steel work counter	Installation Instructions for Siemens Main Switch in V2A worktop INSTLL-MSV2A
with guide rails (full depth) <u>and</u> Load capacity: > 500kg (1102 lbs.)	Installation Instructions for Main Switch and Emergency Stop with Fixed Guide Rails INSTLL-AUFLAGE
with one access <u>and</u> lift width <= 3260	Cable Routing Diagram for Standard Model, 1 Access Point INST\CABLELL1
lift width > 3260	Cable routing diagram, type width > 3260 INST\CABLELL6

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	lift width <= 3260	Extractor Alignment Setting Instructions INST\LL-EXTJUS
X		Setting Instructions for Proximity Switches in Access Point and Extractor INST\NSEINS
X		Positioning Sensor Installation Instructions INST\POSEINS
X		Installation Instructions for Height Detection Light Curtain INST\HEIGHT
X		Installation Instructions for Keyboard Mounting Arm Inspection Instructions for Keyboard Mounting Arm, Electrostatic Earthing INST\TAST
X		Installation Instructions for Limit Switch S1 on the Extractor INST\S1EIN
X		Chain Joint Installation Instructions INST\99900004
	Microprocessor Control System MP12D	Installation Instructions for Interfaces for Data Transfer INST\PERIPMP12D
	Microprocessor Control System MP12N	Installation Instructions for Interfaces for Data Transfer for MP12N / MP14 INST\PERIPMP12N
	Dimensions: <= 8500 mm high <u>and</u> lift width <= 3260	Spiral Cable Installation Instructions INST\LL-SPIRA
	Dimensions: > 8500 mm high <u>and</u> lift width <= 3260	Cable Carrier Installation Instructions INST\LL-SCHLE
	lift width > 3260	Cable Carrier Installation Instructions for lift types 3660 through 4460 INST\LW-SCHLE
	anti-dazzle light above access opening <u>or</u> anti-dazzle light inside access opening	Antiglare Lighting Installation Instructions INST\BELEUCHT
Lifts with multiple access points		
	with x accesses <u>and</u> lift width <= 3260	Cable Routing Diagram, Version with Multiple Access Points INST\CABLELL2

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Lifts in multi-unit networks		
	the units were installed side by side	Installation Instructions for Safety Device for Multiple Adjacent Lean-Lifts with Safety Control System INSTLL-NEBEN2
	Lift as addition for an existing unit	Installation Instructions Safeguarding of multiple lifts side-by-side, mixed, with MP12D control system and MP12D/N safety control system INSTLL-NEBEN3 or Installation Instructions for Safety Device for Multiple Adjacent Lean-Lifts with Safety Control System INSTLL-NEBEN2
	the units were installed side by side <u>or</u> Lift as addition for an existing unit	Cable Routing Diagram, Multiple Lifts in Multi-unit Networks INST\CABLELL3
	X pieces of Lean-Lift ... should be installed separately now	Installation Instructions for Separating Lifts in Multi-unit Networks INSTLL-NEBEN4
	Lift as addition for an existing unit <u>or</u> X pieces of Lean-Lift ... should be installed separately now	Installation Instructions for Undervoltage Trip Q2 INSTUNDERVOLTAGEQ2

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Supplementary features according to order confirmation		
	Service drawer in special height <u>or</u> with x access points <u>or</u> Lift with camera mounting <u>or</u> with lift run only when sliding doors closed <u>or</u> with mutual locking of sliding doors <u>or</u> high-speed-shutter between access opening and drive shaft <u>or</u> with automatic opening and closing of sliding door <u>or</u> Pick-O-Light system (variable) <u>or</u> Pick-O-Light system (fixed grid) <u>or</u> keyboard fixed on the side panel on universal arm, below the lighting blind <u>or</u> with second safety circuit with door in closed configuration <u>and</u> with LED-ledge integrated above the access	Installation Instructions for Additional Cable Ducts INST\CABLEDUCT
	with second safety circuit with door in closed configuration <u>or</u> Light curtain in front of access point on each retrieval point according to drawing "LL-LVH.dwg" <u>and</u> with x accesses <u>and</u> high-speed shutter between access opening and drive shaft	Installation Instructions for Door Position Switch with Closed Sliding Door INST\NOTBE
	Automatic extraction of container	Setting Instructions for Proximity Switch with Automatic Shelf Ejection INST\NSEINS1
		Installation Instructions for Automatic Container Extractor with Horizontal Front Attachment Panel up to 1000 kg (2204 lb 10 oz) INFO\AUTOAUSZ
	automatic extraction of container <u>and</u> with container weighing scale in the access opening	Weighing Device Installation Instructions for Automatic Container Ejector INST\LL-AWIEG
	with light curtain all around	Installation Instructions for Safety Light Curtain INST\LICHTSCA
	with automatic opening and closing of sliding door	Installation Instructions for Electrically Operated Sliding Door with Bumper INST\LL-INSTD
	special retrieval opening for operation with lifting trolley/pallet stacker <u>and</u> Container in the dimensions ..., in special design for pallet storage	Installation Instructions for Automatic Container Locking INST\VERRIEGE
	special retrieval opening for operation with pallet stacker	Installation Instructions for Loading with Standard Lift Truck INST\LL-STHUB
	special retrieval opening for operation with lifting trolley	Installation Instructions for Loading with High Lift Truck INST\LL-HHUB
	special retrieval opening for operation with lifting trolley/pallet stacker <u>or</u> Service drawer in special height	Cable Routing Diagram for Version with External Main Switch or Emergency Stop INST\CABLELL5
	with lift run only when sliding doors closed <u>or</u> with mutual locking of sliding doors	Installation Instructions for Manually Operated Safety Sliding Door INST\LL-ZUHAL

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	with container weighing scale in the access opening	Installation Instructions for Lean-Lift Weighing Device INST\INSTWIEG
	a reinforced edge ... mm high bolted to the inside of the container at the front and rear	Installation Instructions for Container with Attached Edge Reinforcement INST\LL-CONT-REINF
	additional frame attachments for container	Installation Instructions for Container with Attachment Frame INST\LL-CONT-ATTFRAME
	with container with side wall for storage of sleeve rolls	Installation instructions for container insert with sleeve rolls INST\SLEEVE ROLLS
	Keyboard on Vario-Arm system	Installation Instructions for Vario-Arm System INST\VARIOARM
	unit prepared as follows for electrical connection in the container	Installation instructions for containers with power sockets INST\LL-ELCO
	inspection in special height <u>or</u> with x hingeable side panels	Installation Instructions for Service Door Switch Installed at Special Height INST\LL-SECU2
	High-speed-shutter between access opening and drive shaft	Installation Instructions for Automatic High-speed Door to Access Shaft INST\HDOOR
		Cable Routing Diagram for Supplementary Feature High-speed Door INST\CABLELL4
	Lift with camera mounting	Installation Instructions for Lean-Lift with Digital Camera above the Access Opening INST\CAMERA
	with Transponder	Installation instructions for transponder INST\TRANS
	The upper sliding door is installed with a heavier weight. The sliding door can be opened manually and is then held open by an electromagnet installed by us.	Installation Instructions for Automatically Closing Sliding Door in Case of Fire INST\INSTHAFT
	Container with fold-down front edge	Installation Instructions for Additional Safety Light barrier for Container with Fold-down Front Edge INST\LL-ABKVK
	with LED-ledge integrated above the access	Installation Instructions for Top LED Strip INST\LEDOBEN
	with Pick-o-Light-Vario (light spot display, moving) <u>or</u> with Pick-o-Light (light spot display, fixed raster)	Pick-O-Light System Installation Instructions INST\SPOT
	with order-picking control strip in front of the access point	Installation Instructions for Requisition Processing Strip in Front of the Access Point INST\LL-KOMM
	Container end stops with holding magnets	Installation Instructions for Holding Magnet for Container Limit Stop INST\CSTOP
	Access point without sliding door <u>and</u> lift width <= 3260	Additional cover for access point without sliding door INST\ADDCASE

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	with integrated signal tower	Installation instructions for integrated signal column / indicator lamp INST\SIGLIGHT
	Service door switch S3 (Euchner)	Installation Instructions for Service Door Switch of Type Euchner INST\EUCHNER
	with separate electrical cabinet	Installation Instructions for Separate Control Cabinet INST\ECAB
	side panel with perspex	Installation Instructions for Side Panel with Plexiglas INST\PLEXI
	with LED light under extractor	Installation instructions extractor with LED lighting fixture INST\LL-ExtLED
	special retrieval opening for operation with lifting trolley/pallet stacker <u>or</u> with access in special height < 700mm (27.559") <u>or</u> with additional emergency stop switch <u>or</u> with ...230V socket on the right side <u>or</u> with ...230V socket on the left side	Installation Instructions for Emergency Stop Button, Switch and Socket in External Housing INST\EXTSWITCH
	special retrieval opening for operation with lifting trolley/pallet stacker <u>or</u> Service drawer in special height <u>or</u> with access in special height < 700mm (27.559") <u>or</u> additional main switch can be switched between mains operation and emergency power operation	Installation Instructions for Main Switch, Main Service Switch and Emergency Power Switch in External Housing INST\LL-EXTQ
	lift width > 3260	Setting instructions for positioning systems for lift types 3660 to 4460 INST\LLW-POSSYS

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2. Overview list of the order-specific Installation Instructions

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	Division of special panelling and cable ducts	Division of special panelling and cable ducts FACING_xxx.yyy
	additional terminal box	Installation of terminal box and cable routing LL-WireBox_xxx.yyy

3. Annex

Revision notes

Last issue dated: 2008-11-10

2007-10-01: Removed KABELVLL and KABELVL1

2007-11-12: Changed title of PERIPHER.pdf

2007-11-22: Added CSTOP

2007-12-12: Separated WERAC and CEDES and added LL-AUFLAGE

2008-02-25: Added ADDCASE

2008-03-05: File name changed

2008-09-29: PERIPHER replaced by PERIPMP12

2008-11-10: LL-CONT-REINF added, INST-LL-TELES removed

2009-03-24: NSEINS2 integrated into NSEINS, LICHTSC5 removed,
SPOT added

2011-08-05: Added EXTWIEG, LL-DUAL, EUCHNER, LL-EXTJUS

2012-05-31: LL-KOMM, ECAB added

2012-11-30: LL-QUER removed, Supplementary Installation Instructions
added

2013-02-26: Supplementary Installation Instructions added, LL-ExtQ2,
ExtSwitch, LL-STHUB added, LL-ExtWieg removed

2013-07-18: Supplementary Installation Instructions removed, LL-HHUB
added, order-specific Installation Instructions added

2015-10-01: LW-SCHLE, CABLELL6, LL-CONT-ATTFRAME, PLEXI added,
LL-DUAL removed

2016-05-19: LL-ExtLED added, ADDCASE, LL-ExtJus not for type
width > 3260

2018-10-23: SIGLIGHT, SLEEVEROLLS, LW-POSSYS and LL-WireBox
added

Hänel

Büro- und Lagersysteme

Postfach 11 61

D-74173 Bad Friedrichshall, Germany

Tel. 0049 (0) 7136/27725

Fax 0049 (0) 7136/27741

<http://www.hanel.de>

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