ENGINEERING
TOMORROW

Danfoss

131B0025 ↗

FC-302P1K1T5E20H1BXXXXXSXXXXAXBXCXXXXDX

Frequency converter

FC-302P1K1T5E20H1BXXXXXSXXXXAXBXCXXXXDX

VLT® AutomationDrive FC-302

(P1K1) 1.1 KW / 1.5 HP, Three phase

380 - 500 VAC, (E20) IP20 / Chassis

(H1) RFI Class A1/B (C1)

Brake chopper

No Loc. Cont. Panel

Not coated PCB, No Mains Option

Latest release std. SW.

Frame: A2

No C1 option, No D option

No A Option, No B Option

Other options according to Model code

Model code: FC-302P1K1T5E20H1BXXXXXSXXXXAXBXCXXXXDX

The VLT® AutomationDrive represents a single drive concept that controls the entire range of operations from ordinary to servo like applications on any machine or production line.

View Efficiency Data ↗

PRODUCT DETAILS

Gross weight	4.89 kg
Net weight	4.37 kg
Volume	19.867 l
EAN	5702427094147

VLT® AUTOMATIONDRIVE FC 300 SERIES		
Product View (Switch)	GLBL	Global (Standard)
Product Group	FC-	VLT® AutomationDrive FC-
Series	302	302
Power Rating	P1K1	(P1K1) 1.1 KW / 1.5 HP
Phase	T	Three phase
Mains Voltage	5	380 - 500 VAC
Enclosure	E20	(E20) IP20 / Chassis
RFI Filter	H1	(H1) RFI Class A1/B (C1)
Brake - Safe Stop	B	Brake chopper
LCP	X	No Loc. Cont. Panel
Coating PCB	X	Not coated PCB
Mains Option	X	No Mains Option
Adaptation A	X	Standard Cable Entries
Adaptation B	X	No adaptation
Software Release	SXXX	Latest release std. SW.
Software Language Pack	X	Standard Language Pack
A Option	AX	No A Option
B Option	BX	No B Option
C0 Option MCO	CX	No C0 option
C1 Option	X	No C1 option

PRODUCT DETAILS

C Option Software	XX	No software option
D Option	DX	No D option
Frame Size	A2	A2
Typecode Part 1		FC-302P1K1T5E20H1BXX
Typecode Part 2		XXXSXXXXAXBXCXXXXDX
Product Catalog	NO_VIEW	NO VIEW
Power 160% (HO) [KW]		1.1
Height [mm]		268,0
Width w/ no C options [mm]		90,0
Width w/ two C options [mm]		150,0
Depth [mm]		205,0
Depth with Option A/B [mm]		220,0
kVA		2.08
Power Loss HO [W]		58
Power Loss HO [W]		58
Continuous Current (HO) [A]		3
Intermittent Current (HO) [A]		4.8
Continuous Current (HO) [A]		2.7
Intermittent Current (HO) [A]		4.32
Calculated Gross Weight [kg]		4.89
Calculated Net Weight [kg]		4.37
Vendor	ERR01	Cannot Determine Vendor
Modelcode01		FC-302P1K1T5E20H1BXX
Modelcode02		XXXSXXXXAXBXCXXXXDX

For Documents, Software, Visuals and more information, please use this link to visit the product page on Danfoss Product Store ☒

Accessories

130B3290 ☒

VLT® Safe option MCB 151, coated

VLT® Safe option MCB 151, painted for HTL feedback, can be used up to PL d or SIL 2

130B3280 ☒

VLT® Safe option MCB 150, coated

Safety modules enable machines to interact intelligently with operators to increase safety, reduce system costs, improve flexibility and increase productivity.
VLT® MCB 15x Safe options provide an intelligent, user-friendly solution to meet the IEC 61800-5-2 functional safety standard and helps to reduce cabling.
The new safety module is certified according to ISO 13849-1 PL d Category 3 and SIL 2 according to IEC 61508.

For more information, please use this link to visit the product page on Danfoss Product Store ☒

Accessories

130B7635 ↗

VLT® Lift Controller MCO 361

VLT® Motion Control MCO 305 with special software for lift application

130B7531 ↗

Mounting Kit f. C Option, 60mm, A2/A3

VLT® Mounting kit for enclosure sizes A2 and A3.

Must be used when retrofitting 1 pc. of the following MCO options,

together with MCB 113 Extended relay card (Located in MCO slot):

MCO 305 Programmable Motion Controller

MCO 350 Synchronizing Controller

MCO 351 Positioning controller

MCO 360 Salt Controller

MCO 361 Lift Controller

Product group: R

130B7530 ↗

Mounting Kit f. C Option, 40mm, A2/A3

MCF 105 assembly kit A2 / A3 for C option

130B9860 ↗

VLT® Safety Option MCB152, coated

Safety modules enable machines to interact intelligently with operators
to increase safety, reduce system costs, improve flexibility and
increase productivity.

VLT® Safety Option MCB152 provides an intelligent, user-friendly
solution to meet the IEC 61800-5-2 functional safety standard and helps
to reduce cabling. MCB152 enables activation of the Safe Torque Off
(STO) irrespective of where a hazard occurs.

The new safety module is certified according to ISO 13849-1 PL d
Category 3 and SIL 2 according to EN IEC 61508.

The combination of VLT® Safety Option MCB152, PROFINET fieldbus option
MCA120, and the control card of the VLT® AutomationDrive constitutes a
PROFIsafe device.

For more information, please use this link to visit the product page on Danfoss Product Store ↗

ENGINEERING
TOMORROW

Accessories

130B5646 ↗

VLT® EtherCAT MCA 124, coated

MCA 124 Ethercat option painted The VLT® EtherCat
MCA 124 option enables Connection to EtherCat-based
networks via the EtherCat protocol.
The option allows an EtherCat connection with full
Speed and a connection to the frequency converter
with a time interval of 4 ms in both Directions. This
enables the MCA124 to be used in Networks from
low-power applications to Servo applications.
-EoE EtherNet over EtherCat support
-HTTP (Hypertext Transfer Protocol) for diagnosis via integrated web
server
-SMTP (Single Mail Transfer Protocol) for email notification
-TCP / IP for easy access to frequency converters Configuration data via MCT 10

130B5645 ↗

Leakage Current Monitor Kit, A2, A3

130B1235 ↗

VLT® PROFINET MCA 120, coated

MCA 120 PROFINET interface
With reinforced coating (class 3C3 / IEC 60721-3-3)
-Supports operation on PROFINET network with extensive
characteristics
-DCP support for easy setting u. Communication parameters via the PLC
-on Board web-Page with Drive Status
-parameterization with the MCT10 software
- 2-port version, reduced external hardware

For more information, please use this link to visit the product page on Danfoss Product Store ↗

Accessories

130B1234 ↗

VLT® Motion Control MCO 305, coated

Integrated and programmable motion controller for VLT ® AutomationDrive FC 301 and FC 302

- Adds additional functionality and flexibility as it is a freely programmable module

- Optimized for all types of positioning and synchronization applications

- Make your own program specially adapted to your application

Contains:

- synchronization (electronic shaft), positioning and electronic cam control

- 2 inputs support both stepwise and absolute encoders

- 1 encoder output (virtual master function)

10 digital inputs

- 8 digital outputs

- Sends and receives data via fieldbus interface (requires fieldbus option)

- PC software for programming and commissioning

Remember to order the Mounting kit if the above MCO option is required

retrofitted.

130B7530 - Mounting kit for enclosures A2 and A3

130B7531 - Mounting kit for MCO Option,

together with MCB 113, in enclosures A2 and A3

130B1413 - Mounting kit for enclosure B3

130B1414 - Mounting kit for MCO Option,

together with MCB 113, in enclosure B3

130B7532 - Mounting kit for enclosure A5

130B7533 - Mounting kit for all enclosures B, C, D, E and F (B3

excepted)

Danfoss MCO options are not sold without prior advice.

Danfoss can offer help with programming / setting up MCO options.

Contact Danfoss for advice and prices.

Product group: R

130B1245 ↗

VLT® PROFIBUS Converter MCA 113, ctd

Ensures easy and quick replacement of VLT®3000 to VLT® AutomationDrive

.

VLT® 3000 can then be replaced by VLT® AutomationDrive or

- the system Can be expanded without costly changes to the PLC program

- Flexible investment as it is easy to remove and replace option when upgrading

to another fieldbus

Product group: R1

130B1227 ↗

VLT® Resolver Input MCB 103, coated

Resolver extension for FC 300. Enables the connection of the following

Resolver types:

Input voltage: 4..8 Vrms

Input frequency: 2.5..15 kHz

Number of resolver poles: 2 or 4

For more information, please use this link to visit the product page on Danfoss Product Store ↗

Accessories

130B1220 ↗

VLT® Safe PLC I/O MCB 108, coated

Increases security and helps you meet requirement security levels
- VLT® AutomationDrive FC 302 has a safety input based on a
single pole 24 V DC input
- Security in a cost-effective way
Possibility of connection to two conductor safety system
Possibility to interrupt on the plus or minus side without disturbing
the sensor signal

130B1219 ↗

VLT® EtherNet IP MCA 121, coated

EtherNet/IP extends commercial off-the-shelf Ethernet to the Common
Industrial Protocol (CIP™) – the same upper-layer protocol and object
model found in DeviceNet. Built-in high-performance switch enabling
line-topology, and eliminating the need for external switches. Device
Level Ring (DLR) topology for higher system availability. Based on CIP™,
makes the reuse of PLC program possible when migrating from DeviceNet to
EtherNet/IP. Built-in web server provides remote diagnosis and reading
out of basic drive parameters. E-mail notification provides fast access
to warnings or alarm information. Unicast and Multicast communication
for improved network utilization. Certified by ODVA for fulfilment of
the newest standard.

130B1264 ↗

VLT® Extended Relay Card MCB 113, ctd

Adds 7 digital inputs and 2 analog outputs for increased flexibility. 4
SPDT relays. Meets NAMUR recommendations. Galvanic isolation capability.

For more information, please use this link to visit the product page on Danfoss Product Store ↗

Accessories

130B1253 ⬈

VLT® Position Controller MCO 351, ctd

Extends the functional characteristics of the frequency converter in positioning applications

- Direct positioning via fieldbus, relative positioning, absolute positioning and touch probe positioning
- End stop handling (software and hardware)
- Mechanical brake handling (programmable hold delay)

Error handling

- Jog speed / manual operation
- None for programming, as it is pre-programmed

Remember to order the Mounting kit if the above MCO option is required retrofitted.

130B7530 - Mounting kit for enclosures A2 and A3

130B7531 - Mounting kit for MCO Option,

together with MCB 113, in enclosures A2 and A3

130B1413 - Mounting kit for enclosure B3

130B1414 - Mounting kit for MCO Option,

together with MCB 113, in enclosure B3

130B7532 - Mounting kit for enclosure A5

130B7533 - Mounting kit for all enclosures B, C, D, E and F (B3 excepted)

Danfoss MCO options are not sold without prior advice.

Danfoss can offer help with programming / setting up MCO options.

Contact Danfoss for advice and prices.

Product group: R

130B1252 ⬈

VLT® Synchronizing Ctrl. MCO 350, ctd

MCO 350 - synchronous controller

Based on the MCO 305 prefabricated controller for Synchronization tasks. The adjustment takes place through parameter settings. Specific Programming skills are not required.

- 2 encoder inputs, both for incremental as well as absolute encoder
- 1 encoder output (virtual master function)
- 10 additional digital inputs
- 8 additional digital outputs
- fieldbus Communication (requires fieldbus card) with reinforced coating

130B1246 ⬈

VLT® PROFIBUS Converter MCA 114, ctd

A special version of the PROFIBUS options that emulates VLT® 5000 commands in the VLT® AutomationDrive. The VLT® 5000 can be replaced by the VLT® AutomationDrive, or an existing system can be expanded without costly change of the PLC program. For upgrade to a different fieldbus, the installed converter is easily removed and replaced with a new option. This secures the investment without losing flexibility. The option supports DPV1.

For more information, please use this link to visit the product page on Danfoss Product Store ⬈

Accessories

130B1196 ⧉
VLT® Modbus TCP MCA 122

MCA 122 Modbus TCP interface Complex compatibility tests make the
perfect operation in Modbus TCP systems for sure.
- On Board web-Page with Drive Status
- Parameterization with MCT10 software
- 2 port version reduces effort for external hardware (switch, cables, etc.) and
allows flexible bus topologies

130B1172 ⧉
VLT® Sensor Input Card MCB 114, unctd

Protects the motor from being overheated by monitoring the temperature
of bearings and windings in the motor. Three self-detecting sensor
inputs for 2 or 3 wire PT100/PT1000 sensors. One additional analog input
4–20 mA.

130B1170 ⧉
LCP Panel Mounting Kit

The kit includes fasteners and gasket. No LCP and no cable included.

130B1212 ⧉
VLT® General Purpose I/O MCB 101, ctd

MCB 101 - Advanced I / O option
Expands the number of freely programmable
Control inputs and outputs around the following I / Os:
- 3 digital inputs opto-decoupled 0 - 24 V.
- 2 analog inputs 0 - 10 V.
- 2 digital outputs NPN / PNP switchable 24 V
- 1 analog output 0/4 - 20 mA
with reinforced coating

130B1210 ⧉
VLT® Relay Option MCB 105, coated

Relay extension for FC 100 and FC 300.
Extension with 3 additional load relays (changeover contacts),
easy to retrofit thanks to modular technology.
Painted version for harsh environments,
easy to retrofit thanks to modular technology.
Max. Load 240V AC (resistive): 2 A
Max. Load 240V AC (Cos Phi 0.4): 0.2 A
Max. Load 24V DC (ohmic): 1 A
Max. Load 24V DC (inductive): 0.1 A

For more information, please use this link to visit the product page on Danfoss Product Store ⧉

Engineering
TOMORROW

Danfoss

Accessories

130B1208 ↗
1xMCB 107 24V DC coat w. mount. brackets
Connect an external DC supply to keep the control section and any installed option alive during power failure. Enables full operation of the LCP (including the parameter setting) and all installed options without connection to mains.

130B1205 ↗
VLT® CAN Open MCA 105, coated
CANopen interface for FC 300. Max. Baud rate 500 kBit / s. Support that DSP402 drive profile and PDO / SDO communication. Painted version for harsh environments. Easy to retrofit thanks to modular technology.

130B1203 ↗
VLT® Encoder Input MCB 102, coated
Offers the possibility to connect various types of incremental and absolute encoders. The connected encoder can be used for closed-loop speed control as well as closed-loop flux motor control.

130B1202 ↗
VLT® DeviceNet MCA 104, coated
MCA 104 - DeviceNet interface Option for FC300 and FC100 for mounting on the control card. Painted version

130B1200 ↗
VLT® Profibus DP V1 MCA 101, coated
Provides wide compatibility, a high level of availability, support for all major PLC vendors and compatibility with future versions. Fast, efficient communication, transparent installation, advanced diagnosis and parameterization and auto-configuration of process data using GSD-file. Acyclic parameterization using PROFIBUS DP-V1, ¬PROFIdrive or Danfoss FC profile state machines, PROFIBUS DP-V1, Master Class 1 and 2.

130B1387 ↗
5xMCB107 24VDC no coat w.out mount brack

130B1386 ↗
VLT® Profibus DP V1 MCA 101, ctd, 5pcs

130B1385 ↗
VLT® Profibus DP V1 MCA101, unctd 5pcs

For more information, please use this link to visit the product page on Danfoss Product Store ↗

Accessories

130B1383 ↗
acc. bag multipck 5 pc frame A2/3
Krones acc. bag multipack 5pcs for A2/3-frame.

130B1272 ↗
VLT® Sensor Input Card MCB 114, coated
MCB 114 - PT100 / PT1000 option
For FC100-FC200 and FC302 (painted version)
Enables the evaluation of up to 3 PT 100 or 3 PT 1000 sensors
- Connection of 2 and 3 wire sensors
- Automatic detection of the sensor type
- Additional 4-20mA input

130B1296 ↗
VLT® Modbus TCP MCA 122, coated
The first industrial Ethernet-based protocol for automation. Connects to
Modbus-TCP-based networks. Able to handle connection interval down to 5
ms in both directions, positioning it among the fastest performing
Modbus TCP devices in the market. For master redundancy it features hot
swapping between two masters.

130B1164 ↗
VLT® Extended Relay Card MCB 113
Adds 7 digital inputs and 2 analog outputs for increased flexibility. 4
SPDT relays. Meets NAMUR recommendations. Galvanic isolation capability.

130B0185 ↗
Adapter Plate, 395x220mm
With the adapter plate you can replace a VLT® 5/6/8000 by a FC drive without having to drill new
holes for the FC drive. This makes it easy and fast to replace a VLT® 5/6/8000, and as there will
be no drilling there will be no swarf harming the electric components.
The following VLT® 5/6/8000 can be mounted on the Adapter Plate 130B0185:
IP20 Compact: 200-240Volt VLT5001-5006, 380/500Volt VLT5001-5011
IP20/NM1: 200-240Volt VLT6002-6005, 380/460Volt VLT6002-6011, 380-480Volt VLT8006-8011, 550-600Volt
VLT 5001-5011, 525-690Volt VLT8002-8011

130B0184 ↗
Adapter Plate, 395x130mm
With the adapter plate you can replace a VLT® 5/6/8000 by a FC drive
without having to drill new holes for the FC drive. This makes it easy
and fast to replace a VLT® 5/6/8000, and as there will be no drilling
there will be no swarf harming the electric components.
The following VLT® 5/6/8000 can be mounted on the Adapter Plate
130B0184:
IP20 Book: 200-240Volt VLT5004-5006/VLT6004-6005, 380/500Volt
VLT5006-5011,
380-460Volt VLT6006-6011

For more information, please use this link to visit the product page on Danfoss Product Store ↗

Accessories

130B0183 ⧉

Adapter Plate, 395x90mm

With the adapter plate you can replace a VLT® 5/6/8000 by a FC drive
without having to drill new holes for the FC drive. This makes it easy
and fast to replace a VLT® 5/6/8000, and as there will be no drilling
there will be no swarf harming the electric components. The following
VLT® 5/6/8000 can be mounted on the Adapter Plate 130B0183:
IP20 Book: 200-240Volt VLT5001-5003/VLT6002-6003, 380/500Volt
VLT5001-5005, 380-460Volt VLT6002-6005

130B0056 ⧉

Adapter Plate, 338x279mm

With the adapter plate you can replace a VLT® 3000 by a FC drive without having to drill new holes
for the FC drive. This makes it easy and fast to replace a VLT® 3000, and as there will be no
drilling there will be no swarf harming the electric components.
It is possible to install one or two FC drives in the same place as one VLT® 3000. Or one FC drive
with a full size C Option (e.g. MCO305).
The following VLT® 3000 can be mounted on the Adapter Plate 130B0056:
IP00/21: 220/380/500Volt VLT3002-3004 with no brake

130B1135 ⧉

VLT® PROFINET MCA 120, UNCOATED

MCA 120 PROFINET interface

-Supports operation on PROFINET network with extensive properties

-DCP support for easy setting u. Communication parameters via the PLC

- On Board web-Page with Drive Status

- Parameterization with the MCT10 software

- 2 port version, reduced external hardware

For more information, please use this link to visit the product page on Danfoss Product Store ⧉

Accessories

130B1134 ⧉

VLT® Motion Control MCO 305, uncoated

Integrated and programmable motion controller for VLT ® AutomationDrive FC 301 and FC 302

- Adds additional functionality and flexibility as it is a freely programmable module
- Optimized for all types of positioning and synchronization applications
- Make your own program specially adapted to your application

Contains:

- synchronization (electronic shaft), positioning and electronic cam control
- 2 inputs support both stepwise and absolute encoders
- 1 encoder output (virtual master function)

10 digital inputs

8 digital outputs

- Sends and receives data via fieldbus interface (requires fieldbus Option)
- PC software for programming and commissioning.

Remember to order the Mounting kit if the above MCO option is required retrofitted.

130B7530 - Mounting kit for enclosures A2 and A3

130B7531 - Mounting kit for MCO Option, together with MCB 113, in enclosures A2 and A3.

130B1413 - Mounting kit for enclosure B3

130B1414 - Mounting kit for MCO Option, together with MCB 113, in enclosure B3

130B7532 - Mounting kit for enclosure A5

130B7533 - Mounting kit for all enclosures B, C, D, E and F (B3 excepted)

Danfoss MCO options are not sold without prior advice. Danfoss can offer help with

programming / setting up MCO options. Contact Danfoss for advice and prices.

Product group: R

130B1132 ⧉

IP 21/Type 1 conversion kit, top, A2

This is only the top part of the kit - If you need a kit with both top and bottom please order

130B1122

130B1127 ⧉

VLT® Resolver Input MCB 103, uncoated

Enables connection of a resolver to provide speed feedback from the

motor. Spring loaded connection.

130B1125 ⧉

VLT® General Purpose I/O MCB 101,unctd

MCB 101 - Advanced I / O option

Expands the number of freely programmable Control inputs and outputs around the following I / Os:

- 3 digital inputs opto-decoupled 0 - 24 V.
- 2 analog inputs 0 - 10 V.
- 2 digital outputs NPN / PNP switchable 24 V
- 1 analog output 0/4 - 20 mA

130B1124 ⧉

VLT® Control Panel LCP 101, numeric

Numerical control unit for FC 100 and FC 300. Allows access to all device parameters.

Quick menu for brief commissioning. Manual / auto switchover and alarm acknowledgment.

For more information, please use this link to visit the product page on Danfoss Product Store ⧉

Accessories

130B1122

IP 21/Type 1 conversion kit, A2

Cover for housing size A2 MCF 101 NEMA1 / IP21

130B1120

VLT® Safe PLC I/O MCB 108, uncoated

Connection converter for FC 300 with control input for a safe stop. Allows secure connection.

Output modules with diagnostic pulse (Cross-circuit monitoring).

130B1119

VLT® EtherNet/IP MCA 121, uncoated

MCA 121 EtherNet / IP interface

-Allows connection to EtherNet / IP based Automation systems via CIP (CommonInterface Protocol)

-2 port design reduces external components

-HTTP for diagnosis via built-in web server

-SMTP, DHCP and FTP protocols

-Prepared for parameterization with the MCT 10 software via TCP / IP

-Certified according to ODVA

130B1117

LCP Mounting Kit, w/ no LCP

The kit includes fasteners, 3m cable and gasket - There is no LCP
included.

130B1115

VLT® Encoder Input MCB 102, uncoated

Offers the possibility to connect various types of incremental and
absolute encoders. The connected encoder can be used for closed-loop
speed control as well as closed-loop flux motor control.

130B1114

LCP Mounting Kit w/ numerical LCP101, 3m

The kit includes numerical LCP, fasteners, 3m cable and gasket.

130B1113

lcp panel kit/fc300 fg-lcp panel kit

The kit includes graphical LCP, fasteners, 3m cable and gasket.

For more information, please use this link to visit the product page on Danfoss Product Store ↗

Accessories

130B1110 ⧉

VLT® Relay Option MCB 105, uncoated

Relay extension for FC 100 and FC 300. Extension with 3 additional load relays (changeover contacts), easy to retrofit thanks to modular technology.
Max. Load 240V AC (resistive): 2 A
Max. Load 240V AC (Cos Phi 0.4): 0.2 A
Max. Load 24V DC (ohmic): 1 A
Max. Load 24V DC (inductive): 0.1 A

130B1153 ⧉

VLT® Position Controller MCO351, unctd

Extends the functional characteristics of the frequency converter in positioning applications
- Direct positioning via fieldbus, relative positioning, absolute positioning and touch probe positioning
- End stop handling (software and hardware)
- Mechanical brake handling (programmable hold delay)
Error handling
- Jog speed / manual operation
- None for programming, as it is pre-programmed
Remember to order the Mounting kit if the above MCO option is required retrofitted.
130B7530 - Mounting kit for enclosures A2 and A3
130B7531 - Mounting kit for MCO Option, together with MCB 113, in enclosures A2 and A3
130B1413 - Mounting kit for enclosure B3
130B1414 - Mounting kit for MCO Option, together with MCB 113, in enclosure B3
130B7532 - Mounting kit for enclosure A5
130B7533 - Mounting kit for all enclosures B, C, D, E and F (B3 excepted)
Danfoss MCO options are not sold without prior advice. Danfoss can offer help with programming / setting up MCO options. Contact Danfoss for advice and prices.
Product group: R

130B1152 ⧉

VLT® Synchronizing Contr. MCO350,unctd

Expands the functional properties of the VLT® AutomationDrive in synchronizing applications, and replaces traditional mechanical solutions. Speed synchronizing. Position (angle) synchronizing with or without marker correction. Online adjustable gear ratio. Online adjustable position (angle) offset. Encoder output with virtual master function for synchronization of multiple followers. Control via I/Os or fieldbus. Home function. Configuration as well as read-out of status and data via the Local Control Panel of the drive.

130B1137 ⧉

VLT® PTC Thermistor Card MCB 112, ctd

MCB 112 PTC - thermistor relay MS220DA In connection with ATEX certified explosion-proof motors for full motor protection. Certified PTC sensors are the sole protection required.
Integrable module with ATEX-compliant full thermal motor protection
1 PTB-certified PTC thermistor input
1 switch-off signal for using the Safe Stop function
1 logic output for error identification

For more information, please use this link to visit the product page on Danfoss Product Store ⧉

Accessories

130B1077 ↗
Blindcover, w/ Danfoss logo, IP55/66
LCP Blindcover IP66

130B1070 ↗
RS485 plug, FC series,10 pcs
10pcs RS485 connectors for FC-series.
Product group: R

130B1108 ↗
VLT® 24V DC Supply MCB 107, uncoated
Connect an external DC supply to keep the control section and any
installed option alive during power failure. Enables full operation of
the LCP (including the parameter setting) and all installed options
without connection to mains.

130B1107 ↗
VLT® Control Panel LCP 102
Graphic operating unit LCP102 Illuminated graphic display with plain
text. Supports all languages and characters. Quick menu for brief
commissioning.Saving and copying parameter sets.Online help for each
function

130B1103 ↗
VLT® CAN Open MCA 105, uncoated
Standardized handling and interoperability for high flexibility and low
costs. Fully equipped with both high-priority access to control and
status of the drive (PDO Communication) and access to all parameters
through acyclic data (SDO Communication). For interoperability the
option has implemented the DSP402 AC-drive profile.

130B1102 ↗
VLT® DeviceNet MCA 104, uncoated
Robust, efficient data handling thanks to advanced Producer/Consumer
technology. ODVA's strong conformance testing policies ensure products
are interoperable, and the AC-drive profile, supported using I/O
instance 20/70.21/71, secures compatibility to existing systems.

130B1100 ↗
VLT® Profibus DP V1 MCA 101
Provides wide compatibility, a high level of availability, support for
all major PLC vendors and compatibility with future versions. Fast,
efficient communication, transparent installation, advanced diagnosis
and parameterization and auto-configuration of process data using GSD-
file. Acyclic parameterization using PROFIBUS DP-V1, ¬PROFIdrive or
Danfoss FC profile state machines, PROFIBUS DP-V1, Master Class 1 and 2.

For more information, please use this link to visit the product page on Danfoss Product Store ↗

Accessories

130B1088 ↗

LCP Blindcover, w/ Danfoss logo, IP20/21

130B1490 ↗

VLT® POWERLINK MCA 123, coated

Represents the second generation of fieldbus. The high bit rate of industrial Ethernet can now be used to make the full power of IT technologies used in the automation world available for the factory world.

175U0087 ↗

Mount. Brack. Footprint, A2, f. 2 br.res

Back frame A2 for 2 brake resistors

175U0085 ↗

Mounting bracket: Footprint, A2

Back frame A2 for 1 brake resistor

175U0388 ↗

Mounting brackets: Footprint, K3

175Z0929 ↗

LCP Cable, 3m

Cable for control panel (LCP), 3 meters

Works with the following LCP:

Alphanumeric control panel LCP3 - 175N0131

VLT® LCP 102 Graphic Display - 130B1107

VLT® LCP 101 Numeric Display - 130B1124

VLT® LCP 102 Graphic display IP66 - 130B1078

Product group: F1

175U0009 ↗

Mounting bracket Kit, 216 x 30 x 18mm

Mounting angle for flatpack resistor 200W

175N2584 ↗

VLT® EtherNet/IP Modbus TCP gateway

For more information, please use this link to visit the product page on Danfoss Product Store ↗

Accessories

134B5225 ⧉
Remote LCP unit, 10m
Remote mounting kit for LCP with cover for outdoor mounting with 10 m
(33 ft) cable

134B5224 ⧉
Remote LCP unit, 5m
Remote mounting kit for LCP with cover for outdoor mounting with 5 m (16
ft) cable

134B5223 ⧉
Remote LCP unit, 3m
Remote mounting kit for LCP with cover for outdoor mounting with 3 m (10
ft) cable

134B0460 ⧉
LCP 103 Wireless Communication Panel
With VLT® Wireless Communication Panel LCP 103 you can communicate with
MyDrive® Connect - an app that can be downloaded for iOS and Android
based smartphones. MyDrive® Connect makes commissioning easy,
monitor and maintain tasks on your frequency converter. VLT® Wireless
Communication Panel LCP 103 shows the current status of the drive (On,
Warning, Alarm, Wifi connection) via built-in LED. Detailed
information is also available using MyDrive® Connect. Here
do you have access to i.a. status, menu and alerts. You can also see graphs
over the latest available data.
The new VLT® Wireless Communication Panel LCP 103 allows you to
wireless communication to the following drives:
- VLT® HVAC Drive FC 102
- VLT® Refrigeration Drive FC 103
- VLT® AQUA Drive FC 202
- VLT® AutomationDrive FC 302
[!] Note!
LCP 103 only works on frequency converters produced in 2018 (White USB
stik).
Product group: R1

134B1992 ⧉
Control Terminals w/ screw connections

For more information, please use this link to visit the product page on Danfoss Product Store ⧉

Accessories

134B6544 ↗

Real Time Clock D slot option MCB117

The VLT® Real-time clock option MCB 117 option provides advanced data-
logging functionality to the following drives
VLT® HVAC Drive FC 102
VLT® Refrigeration Drive FC 103
VLT® Aqua Drive FC 202
VLT® Automation Drive FC 301/FC 302
Note: This option is compatible only with MK-II control cards & upto 90
KW supporting A,B & C Frames.

130B0295 ↗

sparepart/terminals accessory bag

130B1022 ↗

Accessory bag for framesize A2, A3

134B1976 ↗

Accessory bag for frame A1-A3 w. brake

130B4847 ↗

extension cable for lcp+communication

134B8814 ↗

VLT® PROFINET MCA120 coated 5pcs

134B8492 ↗

Transducer 0-10g, 4-20mA; HS-22B50

134B8493 ↗

Transducer 0-25mm/s RMS 4-20mA

CBM Transducer 0-25mm/s RMS 4-20mA

134B8494 ↗

Transducer w, temp 0-25mm/s RMS 4-20mA

For more information, please use this link to visit the product page on Danfoss Product Store ↗

ENGINEERING TOMORROW

Accessories

134B8496 ↗

CABLE ASSY 10M, STRAIGHT SOCKET CONNETC.

Image coming soon

134B8497 ↗

Cable assy, M12 female connec.10m screen

Image coming soon

134B6883 ↗

VLT Progr. Contr. MCB 301, coated

134B9425 ↗

Enclosure protection in Stainl Steel V2A

WEATHER AND SUN PROTECTION HOOD

Weather and sun protection hood in stainless steel V2A, 200 x 180 x 150 mm / 7.87 x 7.1 x 5.9 in

---

134B9414 ↗

Antifreeze Thermostat FS20, 0/+15C

TWO-PHASE FROST PROTECTION THERMOSTATS FS-20-UW
Electronic frost protection thermostat or frost monitor with switching relay output, continuous temperature and valve output (summation output 0–10 V) and control and cascading output (0–10 V), optionally with connection for a heating element. A IP65 resistant plastic housing with display with the actual temperature, measuring range, overrange/underrange of the set switch point (frost protection temperature) and alarm indicator for "frost" or "error" (capillary breakage, overvoltage/undervoltage), quick-locking screws and a fully active sensor rod made of copper. The delivery scope includes a set of MK-05-K mounting clamps for expert attachment of the sensor rod.
Measuring range: 0...+15 °C / 32...+59 °F
Accuracy: typical ± 1 K (at +10 °C)
Sensor type: 3m Copper rod active along the entire sensor length, min. response length of 25 cm
Input: 1 x 0 -10 V control input DDC & 1 x 0 -10 V ascading input
Output: 1 x 0 -10 V output temperature (corresponding to 0...+15 °C) & 1 x 0 -10 V output valve (frost signal with control voltage and cascading)
1 x potential-free changeover contact (24 V), range of adjustment 0...+ 15 °C
Current consumption: max. 100 mA at 24 V DC
Load resistance: RL > 50 kOhm
Ambient temperature: –15...+50 °C / 5...+122 °F (Housing) & –20...+60 °C / -4...+140 °F Sensor and capillary tube > 20 cm from the housing.
Power: 24VAC/DC (± 10%) 24DC <2,4W
T2-IP65 plastic housing with three-line display 70x40 mm (WxH), a M16 cable glands and MK-05-K mounting clamps.
Housing dimensions: 126 x 90 x 50 mm / 4.96 x 3.54 x 1.97 in

For more information, please use this link to visit the product page on Danfoss Product Store ↗

Accessories

134B9413 ⧉

Airflow Sensor KLQ CO2 & Air Quality

DUCT AIR QUALITY (VOC) AND CO2 SENSOR KLQ-CO2-MB
Maintenance-free duct sensor covering air quality (VOC 0…100 %), carbon
dioxide (CO2 0...5000 ppm) and atmospheric pressure (hPa). The air
quality is detected by a VOC sensor (mixed gas sensor for volatile
organic substances) and include an automatic calibration. It determines
the loading of the room air due to contaminated gases such as cigarette
smoke, body perspiration, exhaled breathing air, solvent vapors,
emissions etc. The air contamination can be selected into different
sensitivity ranges as low, medium or high. The CO2 measurement is
performed using an optical NDIR sensor (non-dispersive infra-red
technology), and the detection range is calibrated for standard
applications such as monitoring residential rooms and conference rooms.
A microprocessor-controlled solution with factory sensor calibration,
Modbus RTU connection in a resistant IP65 plastic housing with mounting
flange, quick-locking screws and two M16 cable gland for cable
connection. International SI units (default) can be changed to imperial
(via Modbus).
VOC Sensor: Volatile Organic Compounds sensor (metal oxide) with
automatic calibration
VOC measuring range: 0...100 % air quality; referred to calibrating gas
& selection of VOC sensitivities (low/medium/high)
VOC measuring accuracy: typical ± 20 % of final value (referred to
calibrating gas)
CO2 Sensor: optical NDIR sensor (non-dispersive infra-red technology)
including atmospheric pressure compensation (up to 1100 mbar) with
manual or automatic calibration
CO2 measuring range: 0...5000 ppm
CO2 measuring accuracy: typical ± 30 ppm (± 3 % of measured value) &
temperature dependence: ± 5 ppm pro °C or ± 0,5 % of measured value pro
°C (whichever is higher) & pressure dependence: ± 0.13 % per mm Hg
Medium: clean air and non-aggressive, non-combustible gases
Power: 24VAC/DC (± 10%) 24DC <1,6W
Operation temperature: –10...+60 °C / 14...+140 °F
T2-IP65 plastic housing two M20 cable glands
Housing dimensions: 126 x 90 x 50 mm / 4.96 x 3.54 x 1.97 in

For more information, please use this link to visit the product page on Danfoss Product Store ⧉

Accessories

134B9412 ↗

Airflow Sensor TF65 PT1000 Temperature

DUCT TEMPERATURE SENSOR TF 65

The TF 65 temperature measuring transducer is a PT1000 class B resistance sensor with passive output. Measuring range from –30...+150 ° C. In a resistant IP67 plastic housing and M16 cable gland for cable connection and a straight protective measuring tube and a mounting flange.

Sensor type: PT1000 class B (DIN EN 60751) 1000ohm at 0°C ± 0,3 K

Measuring range: –30...+150 °C/ –22...+302 °F

Ambient temperature: –20...+100 °C / –4...+212 °F

Testing current: < 0.6 mA

Insulating resistance: 100 M#, at +20 °C (500V DC)

Connection type: 2-wire connection

Measuring tube: stainless steel, V4A (1.4571), Ø 6 mm, inserted length = 300 mm / 11.8 in

T1-IP67 plastic housing with a M16 cable glands and a mounting flange.

Housing dimensions: 72 x 64 x 37.8 mm / 2.83 x 2.52 x 1.49 in

134B9411 ↗

Wall Sensor AFTF Temp & Humidity

ON-WALL- HUMIDITY- AND TEMPERATURE SENSORS AFTF–MB

Calibratable outside humidity and temperature sensor AFTF, detect the relative humidity (0…100% RH) and the temperature (–35...+80 °C), including various parameters in the humidity measurement. Applied in clean air and non-aggressive, dust-free environment. With a Modbus connection in a resistant IP65 plastic housing and M20 cable gland for cable connection, with quick-locking screws and an exchangeable plastic sinter filter. International SI units (default) can be changed to imperial (via Modbus).

Measuring range: 0...100 % RH (humidity) / – 35...+80 °C (temperature)

Medium: clean air and non-aggressive, non-combustible gases

Deviation, humidity: typical ± 2.0 % (20...80 % RH) at +25 °C, otherwise ± 3.0 %

Deviation, temperature: typical ± 0.4 K at +25 °C / ± 77 °F

Zero point offset: ± 10 % RH (humidity) / ± 5 °C (temperature)

Power: 24VAC (± 20%) / 15…36VDC - 24DC <1,2W

Operation temperature: –30...+70 °C / –22...+158 °F

T3-IP65 plastic housing with two M20 cable glands

Housing dimensions: 108 x 78.5 x 43.3 mm / 4.25 x 3.1 x 1.7 in

For more information, please use this link to visit the product page on Danfoss Product Store ↗

Accessories

134B9410 ⬈

Wall Sensor ATM2 Temperature

OUTSIDE / WET ROOM TEMPERATURE SENSOR ATM2-MB

Calibratable outside temperature sensor ATM2, PT1000 measure temperature
(-50...+150 °C), with Modbus RTU connection, in a resistant IP65 plastic
housing with quick-locking screws and M20 cable gland for cable
connection. International SI units (default) can be changed to imperial
(via Modbus).

Sensor type: PT1000 class B (DIN EN 60751)

Measuring range: – 50...+150°C /-31... +176°F

Deviation: typical ± 0.2 K at +25 °C / ± 77 °F

Zero point offset: ± 10 °C / ± 50 °F

Ambient temperature: Measuring transducer –30...+70 °C /-22... +158°F

Medium: clean air and non-aggressive, non-combustible gases

Power: 24VAC (± 20%) / 15…36VDC - 24DC <1,2W

Operation temperature: –30...+70 °C / –22...+158 °F

T3-IP65 plastic housing with two M20 cable glands

Housing dimensions: 108 x 78.5 x 43.3 mm / 4.25 x 3.1 x 1.7 in

---

134B9409 ⬈

Airflow Sensor 8147 Temp&Humidity&7000Pa

DUCT HUMIDITY-, TEMPERATURE- AND PRESSURE SENSORS ±7000PA-MB

Maintenance-free duct sensor covering humidity, temperature and pressure
in one transducer. Microprocessor-controlled with Modbus RTU connection
in a resistant IP65 plastic housing with quick-locking screws and M16
cable gland for cable connection. Including mounting flange to detect
the relative humidity (0…100% RH) and the temperature (–35...+80 °C)
inside a tube, with an exchangeable plastic sinter filter. A
differential air pressure (max. ± 7000 Pa) with connection nozzles for
pressure hose (Ø 6 mm). The duct sensor is applied in a non-aggressive
and dust-free environment and is suitable for installation in ceilings,
ducts and devices. International SI units (default) can be switched to
Imperial (via Modbus).

Measuring range: 0...100 % RH (humidity) / – 35...+80°C /-31... +176°F
(temperature)

Medium: clean air and non-aggressive, non-combustible gases

Deviation, humidity: typical ± 2.0 % (20...80 % RH) at +25°C/+77°F ,
otherwise ± 3.0 %

Deviation, temperature: typical ± 0.2 K at +25 °C / ± 0.4 °F at +77 °F

Pressure range: ± 7000 Pa

Accuracy: 7000 Pa/28 inWC: typical ± 105 Pa at +25 °C / ± 0.12 inWC at +
77 °F

Above- # below-pressure: max. ± 50 kPa

Power: 24VAC (± 20%) / 15…36VDC - 24DC <0,2W

Operation temperature: –30...+70 °C / –22...+158 °F

Media temperature –20...+50 °C / –4...+122 °F IP65 plastic housing two
M16 cable glands

Housing dimensions: 126 x 90 x 50 mm / 4.96 x 3.54 x 1.97 in

For more information, please use this link to visit the product page on Danfoss Product Store ⬈

Accessories

Image
coming
soon

134B9408 ⧉

Airflow Sensor 8148 Temp&Humidity&500Pa

DUCT HUMIDITY-, TEMPERATURE- AND PRESSURE SENSORS ±500PA-MB
Maintenance-free duct sensor covering humidity, temperature and pressure
in one transducer. Microprocessor-controlled with Modbus RTU connection
in a resistant IP65 plastic housing with quick-locking screws and M16
cable gland for cable connection. Including mounting flange to detect
the relative humidity (0…100% RH) and the temperature (−35...+80 °C)
inside a tube, with an exchangeable plastic sinter filter. A
differential air pressure (max. ± 500 Pa) with connection nozzles for
pressure hose (Ø 6 mm). The duct sensor is applied in a non-aggressive
and dust-free environment and is suitable for installation in ceilings,
ducts and devices. International SI units (default) can be switched to
Imperial (via Modbus).
Measuring range: 0...100 % RH (humidity) / − 35...+80°C /-31… +176°F
(temperature)
Medium: clean air and non-aggressive, non-combustible gases
Deviation, humidity: typical ± 2.0 % (20...80 % RH) at +25°C/+77°F ,
otherwise ± 3.0 %
Deviation, temperature: typical ± 0.2 K at +25 °C / ± 0.4 °F at +77 °F
Pressure range: ± 500 Pa
Accuracy: 500 Pa/2.0 inWC: typical ± 13 Pa at +25 °C / ± 0.05 inWC at +
77 °F
Above- # below-pressure: max. ± 50 kPa
Power: 24VAC (± 20%) / 15…36VDC - 24DC <0,2W
Operation temperature: −30...+70 °C / −22...+158 °F
Media temperature −20...+50 °C / −4...+122 °F IP65 plastic housing two
M16 cable glands
Housing dimensions: 126 x 90 x 50 mm / 4.96 x 3.54 x 1.97 in

For more information, please use this link to visit the product page on Danfoss Product Store ⧉

ENGINEERING TOMORROW

Accessories

134B9407 ↗
Airflow Sensor KFTF Temp & Humidity
DUCT HUMIDITY- AND TEMPERATURE SENSORS KFTF-MB
Calibratable duct humidity and temperature sensor KFTF-T3 (± 2.0%) with Modbus RTU connection, in a resistant IP65 plastic housing with quick-locking screws and M16 cable gland for cable connection and a plastic sinter filter (exchangeable). Including mounting flange to detect the relative humidity (0…100% RH) and the temperature (−35...+80 °C) inside a tube, including various parameters in the humidity measurement. The duct sensor is applied in a non-aggressive and dust-free environment and is suitable for installation in ceilings, ducts and devices.
International SI units (default) can be switched to Imperial (via Modbus).
Measuring range: 0...100 % RH (humidity) / − 35...+80 °C (temperature)
Medium: clean air and non-aggressive, non-combustible gases
Deviation, humidity: typical ± 2.0 % (20...80 % RH) at +25 °C, otherwise ± 3.0 %
Deviation, temperature: typical ± 0.2 K at +25 °C
Zero point offset: ± 10 % RH (humidity) / ± 5 °C (temperature)
Power: 24VAC (± 20%) / 15…36VDC - 24DC <1,2W
Operation temperature: −30...+70 °C / −22...+158 °F
T3-IP65 plastic housing with two M20 cable glands
Housing dimensions: 108 x 78.5 x 43.3 mm / 4.25 x 3.1 x 1.7 in

134B9406 ↗
Pressure Sensor 7227 2x7000Pa, Analog
DUAL AIR PRESSURE SENSOR ±7000PA & ±7000PA, ANALOGUE
Dual pressure transmitter with 2x8 switchable measuring ranges and 2 automated analogue output signals in a resistant IP65 plastic housing with quick-locking screws, connection nozzles for pressure hose (Ø 6 mm) and a M16 cable gland for cable connection. The pressure measuring transducer automatically detects the required output type and converts the measurands into the required standard signal of 0−10 V or 4...20 mA.
Pressure range selection: ± 7000 Pa – 0…1000Pa / 2000Pa / 3000Pa / 5000Pa / 7000Pa
Accuracy: 7000 Pa typical ± 105 Pa
Zero point offset: ± 10 % of measuring range
Above- # below-pressure: max. ± 50 kPa
Power: 24VAC/DC (± 10%) <1,3W,
Output: automatically switching 0 -10 V # 4...20 mA
Working resistance: Ra (ohms) = 25...450 Ohm (at I output)
Load resistance: RL > 15 kOhm (at U output)
Operation / Media temperature: −20...+50 °C / −4...+122 °F
T2-IP65 plastic housing with one M16 cable gland
Housing dimensions: 126 x 90 x 50 mm / 4.96 x 3.54 x 1.97 in

For more information, please use this link to visit the product page on Danfoss Product Store ↗

Accessories

134B9405 ↗

Pressure Sensor 7229 500/7000Pa, Analog

DUAL AIR PRESSURE SENSOR ±500PA & ±7000PA, ANALOGUE
Dual pressure transmitter with 2x8 switchable measuring ranges and 2 automated analogue output signals in a resistant IP65 plastic housing with quick-locking screws, connection nozzles for pressure hose (Ø 6 mm) and a M16 cable gland for cable connection. The pressure measuring transducer automatically detects the required output type and converts the measurands into the required standard signal of 0–10 V or 4...20 mA.
Pressure range selection: ± 500 Pa – 0…100Pa / 200Pa / 300Pa / 500Pa
Pressure range selection: ± 7000 Pa – 0…1000Pa / 2000Pa / 3000Pa / 5000Pa / 7000Pa
Accuracy: 500 Pa typical ± 13 Pa
Accuracy: 7000 Pa typical ± 105 Pa
Zero point offset: ± 10 % of measuring range
Above- # below-pressure: max. ± 50 kPa
Power: 24VAC/DC (± 10%) <1,3W,
Output: automatically switching 0 -10 V # 4...20 mA
Working resistance: Ra (ohms) = 25...450 Ohm (at I output)
Load resistance: RL > 15 kOhm (at U output)
Operation / Media temperature: –20...+50 ℃ / –4...+122 ℉
T2-IP65 plastic housing with one M16 cable gland
Housing dimensions: 126 x 90 x 50 mm / 4.96 x 3.54 x 1.97 in

134B9404 ↗

Pressure Sensor 7225 2x500Pa, Analog

DUAL AIR PRESSURE SENSOR ±500PA & ±500PA, ANALOGUE
Dual pressure transmitter with 2x8 switchable measuring ranges and 2 automated analogue output signals in a resistant IP65 plastic housing with quick-locking screws, connection nozzles for pressure hose (Ø 6 mm) and a M16 cable gland for cable connection. The pressure measuring transducer automatically detects the required output type and converts the measurands into the required standard signal of 0–10 V or 4...20 mA.
Pressure range selection: ± 500 Pa – 0…100Pa / 200Pa / 300Pa / 500Pa
Accuracy: 500 Pa typical ± 13 Pa
Zero point offset: ± 10 % of measuring range
Above- # below-pressure: max. ± 50 kPa
Power: 24VAC/DC (± 10%) <1,3W,
Output: automatically switching 0 -10 V # 4...20 mA
Working resistance: Ra (ohms) = 25...450 Ohm (at I output)
Load resistance: RL > 15 kOhm (at U output)
Operation / Media temperature: –20...+50 ℃ / –4...+122 ℉
T2-IP65 plastic housing with one M16 cable gland
Housing dimensions: 126 x 90 x 50 mm / 4.96 x 3.54 x 1.97 in

For more information, please use this link to visit the product page on Danfoss Product Store ↗

Accessories

134B9402 ↗

Pressure Sensor 7247T 2x7000Pa & PT1000

DUAL AIR PRESSURE SENSOR ±7000PA & ±7000PA-MB

Dual maintenance-free pressure sensor with connection facility for external Pt1000 sensor (–50...+150°C). Microprocessor-controlled with Modbus RTU connection in a resistant IP65 plastic housing with quick-locking screws, connection nozzles for pressure hose (Ø 6 mm) and M16 cable gland for cable connection. International SI units (default) can be switched to Imperial (via Modbus). Incl. connection set ASD-06 (2 m connecting hose, two pressure port nipples, screws).

Pressure range: ± 7000 Pa and ± 7000 Pa

Accuracy: 7000 Pa/28 inWC: typical ± 105 Pa at +25 ℃ / ± 0.12 inWC at + 77 °F

Linearity: < ± 1 % of final value & Temperature drift: ± 0.1 % per ℃ # °F

Zero point offset: ± 10 % of measuring range

Above- # below-pressure: max. ± 50 kPa / ± 200 inWC

Power: 24VAC (± 20%) <0,2W / 15…36VDC

Operation temperature: –30...+70 ℃ / –22...+158 °F

Media temperature –20...+50 ℃ / –4...+122 °F

T2-IP65 plastic housing with two M16 cable glands & one M12 for temperature

Housing dimensions: 126 x 90 x 50 mm / 4.96 x 3.54 x 1.97 in

134B9401 ↗

Pressure Sensor 7249T 500/7000Pa &PT1000

DUAL AIR PRESSURE SENSOR ±500PA & ±7000PA-MB

Dual maintenance-free pressure sensor with connection facility for external Pt1000 sensor (–50...+150°C). Microprocessor-controlled with Modbus RTU connection in a resistant IP65 plastic housing with quick-locking screws, connection nozzles for pressure hose (Ø 6 mm) and M16 cable gland for cable connection. International SI units (default) can be switched to Imperial (via Modbus). Incl. connection set ASD-06 (2 m connecting hose, two pressure port nipples, screws).

Pressure range: ± 500 Pa and ± 7000 Pa

Accuracy: 500 Pa/2.0 inWC: typical ± 13 Pa at +25 ℃ / ± 0.05 inWC at + 77 °F

Accuracy: 7000 Pa/28 inWC: typical ± 105 Pa at +25 ℃ / ± 0.12 inWC at + 77 °F

Linearity: < ± 1 % of final value & Temperature drift: ± 0.1 % per ℃ # °F

Zero point offset: ± 10 % of measuring range

Above- # below-pressure: max. ± 50 kPa / ± 200 inWC

Power: 24VAC (± 20%) <0,2W / 15…36VDC

Operation temperature: –30...+70 ℃ / –22...+158 °F

Media temperature –20...+50 ℃ / –4...+122 °F

T2-IP65 plastic housing with two M16 cable glands & one M12 for temperature

Housing dimensions: 126 x 90 x 50 mm / 4.96 x 3.54 x 1.97 in

For more information, please use this link to visit the product page on Danfoss Product Store ↗

Accessories

134B9400 ⧉

Pressure Sensor 7245T 2x500Pa & PT1000

DUAL AIR PRESSURE SENSOR ±500PA & ±500PA-MB

Dual maintenance-free pressure sensor with connection facility for external Pt1000 sensor (−50...+150°C). Microprocessor-controlled with Modbus RTU connection in a resistant IP65 plastic housing with quick-locking screws, connection nozzles for pressure hose (Ø 6 mm) and M16 cable gland for cable connection. International SI units (default) can be switched to Imperial (via Modbus). Incl. connection set ASD-06 (2 m connecting hose, two pressure port nipples, screws).

Pressure range: ± 500 Pa and ± 500 Pa

Accuracy: 500 Pa/2.0 inWC: typical ± 13 Pa at +25 °C / ± 0.05 inWC at + 77 °F

Linearity: < ± 1 % of final value & Temperature drift: ± 0.1% per °C/°F

Zero point offset: ± 10 % of measuring range

Above-/below-pressure: max. ± 50 kPa / ± 200 inWC

Power: 24VAC (± 20%) <0,2W / 15…36VDC

Operation temperature: −30...+70 °C / −22...+158 °F

Media temperature −20...+50 °C / −4...+122 °F

T2-IP65 plastic housing with two M16 cable glands & one M12 for temperature

Housing dimensions: 126 x 90 x 50 mm / 4.96 x 3.54 x 1.97 in

130B5601 ⧉

VLT® DeviceNet converter MCA194 coated

VLT® DeviceNet converter MCA194 coated

Spare Parts

176F8946 ⧉

Fuse, Input, LP-CC 6A, 3/Pk

Mains fuse, 3 per kit

130B7530 ⧉

Mounting Kit f. C Option, 40mm, A2/A3

MCF 105 assembly kit A2 / A3 for C option

130B9001 ⧉

multiple 2 pole power combicon, 24V plug

For more information, please use this link to visit the product page on Danfoss Product Store ⧉

Spare Parts

130B5601 ↗
VLT® DeviceNet converter MCA194 coated
VLT® DeviceNet converter MCA194 coated

130B1012 ↗
Terminal cover frame A1-A3 with option

130B1011 ↗
Terminal cover frame A1-A3 w/o option

130B1008 ↗
Frame for LCP Control Pad with option

130B1007 ↗
Frame for LCP Control Pad w/o option

130B1022 ↗
Accessory bag for framesize A2, A3

130B0295 ↗
sparepart/terminals accessory bag

130B1073 ↗
10 pole connector

130B1072 ↗
8 pole connector

130B1069 ↗
Multiple relay 1 plug
spare, 3 pole connector, relay 1, fc300

For more information, please use this link to visit the product page on Danfoss Product Store ↗

Spare Parts

130B1068 ↗

Multiple relay 2 plug

spare, 3 pole connector, relay 2, fc300

130B1067 ↗

Multiple non-twistd mains plug

130B1096 ↗

Fan assembly 70x70x25 mm coated

130B1088 ↗

LCP Blindcover, w/ Danfoss logo, IP20/21

134B0286 ↗

EMC Shield A2, A3

134B1726 ↗

Control Card with safe stop for FC-302

only work with SW equal or higher than 8.12. If your drive has a customer specific software or a brand labeled software version please order the old control card MKI PN: 130B1109
NOTE:
The MKII control cards are backward compatible to the old cards but will

---

134B1976 ↗

Accessory bag for frame A1-A3 w. brake

134B1975 ↗

Decoupling Plate for filedbus Cables

130B1383 ↗

acc. bag multipck 5 pc frame A2/3

Krones acc. bag multipack 5pcs for A2/3-frame.

134B5998 ↗

24 pole jumper/2 connector jumper

For more information, please use this link to visit the product page on Danfoss Product Store ↗

ENGINEERING TOMORROW

Spare Parts

134B6883 ⧉

VLT Progr. Contr. MCB 301, coated

130B1071 ⧉

6 Pole Connector, FC series,10 pcs

6-pole spring cage connectors 10 pcs

134B9413 ⧉

Airflow Sensor KLQ CO2 & Air Quality

DUCT AIR QUALITY (VOC) AND CO2 SENSOR KLQ-CO2-MB
Maintenance-free duct sensor covering air quality (VOC 0…100 %), carbon dioxide (CO2 0...5000 ppm) and atmospheric pressure (hPa). The air quality is detected by a VOC sensor (mixed gas sensor for volatile organic substances) and include an automatic calibration. It determines the loading of the room air due to contaminated gases such as cigarette smoke, body perspiration, exhaled breathing air, solvent vapors, emissions etc. The air contamination can be selected into different sensitivity ranges as low, medium or high. The CO2 measurement is performed using an optical NDIR sensor (non-dispersive infra-red technology), and the detection range is calibrated for standard applications such as monitoring residential rooms and conference rooms. A microprocessor-controlled solution with factory sensor calibration, Modbus RTU connection in a resistant IP65 plastic housing with mounting flange, quick-locking screws and two M16 cable gland for cable connection. International SI units (default) can be changed to imperial (via Modbus).
VOC Sensor: Volatile Organic Compounds sensor (metal oxide) with automatic calibration
VOC measuring range: 0...100 % air quality; referred to calibrating gas & selection of VOC sensitivities (low/medium/high)
VOC measuring accuracy: typical ± 20 % of final value (referred to calibrating gas)
CO2 Sensor: optical NDIR sensor (non-dispersive infra-red technology) including atmospheric pressure compensation (up to 1100 mbar) with manual or automatic calibration
CO2 measuring range: 0...5000 ppm
CO2 measuring accuracy: typical ± 30 ppm (± 3 % of measured value) & temperature dependence: ± 5 ppm pro °C or ± 0,5 % of measured value pro °C (whichever is higher) & pressure dependence: ± 0.13 % per mm Hg
Medium: clean air and non-aggressive, non-combustible gases
Power: 24VAC/DC (± 10%) 24DC <1,6W
Operation temperature: –10...+60 °C / 14...+140 °F
T2-IP65 plastic housing two M20 cable glands
Housing dimensions: 126 x 90 x 50 mm / 4.96 x 3.54 x 1.97 in

For more information, please use this link to visit the product page on Danfoss Product Store ⧉

Services

131B0047 ☒
FC-302P1K5T5E20H1BGXXXXSXXXXAXBXCXXXXDX
FC-302P1K5T5E20H1BGXXXXSXXXXAXBXCXXXXDX

Frequency converter
FC-302P1K5T5E20H1BGXXXXSXXXXAXBXCXXXXDX
VLT® AutomationDrive FC-302
(P1K5) 1.5 KW / 2.0 HP, Three phase
380 - 500 VAC, (E20) IP20 / Chassis
(H1) RFI Class A1/B (C1)
Brake chopper
Graphical Loc. Cont. Panel
Not coated PCB, No Mains Option
Latest release std. SW.
Frame: A2
No C1 option, No D option
No A Option, No B Option
Other options according to Model code

Model code: FC-302P1K5T5E20H1BGXXXXSXXXXAXBXCXXXXDX

The VLT® AutomationDrive represents a single drive concept that controls the entire range of
operations from ordinary to servo like applications on any machine or production line.

130R1121 ☒
DrivePro ExWarr Work Shop PG03 30 Month
DrivePro® Standard Extended Warranty provides repair at a Danfoss Drives
workshop, or shipment of a replacement product to the site.
You can only order DrivePro® Extended Warranty when purchased with a new
drive. For drives previously shipped or purchased; contact your local
Danfoss Drives sales office for extended warranty contract options.

130R1120 ☒
DrivePro ExWarr Work Shop PG03 24 Month
DrivePro® Standard Extended Warranty provides repair at a Danfoss Drives
workshop, or shipment of a replacement product to the site.
You can only order DrivePro® Extended Warranty when purchased with a new
drive. For drives previously shipped or purchased; contact your local
Danfoss Drives sales office for extended warranty contract options.

130R1122 ☒
DrivePro ExWarr Work Shop PG03 36 Month
DrivePro® Standard Extended Warranty provides repair at a Danfoss Drives
workshop, or shipment of a replacement product to the site.
You can only order DrivePro® Extended Warranty when purchased with a new
drive. For drives previously shipped or purchased; contact your local
Danfoss Drives sales office for extended warranty contract options.

For more information, please use this link to visit the product page on Danfoss Product Store ☒

Services

130R1123 ↗
DrivePro ExWarr Work Shop PG03 42 Month
DrivePro® Standard Extended Warranty provides repair at a Danfoss Drives workshop, or shipment of a replacement product to the site.
You can only order DrivePro® Extended Warranty when purchased with a new drive. For drives previously shipped or purchased; contact your local Danfoss Drives sales office for extended warranty contract options.

130R1126 ↗
DrivePro ExWarr Work Shop PG03 60 Month
DrivePro® Standard Extended Warranty provides repair at a Danfoss Drives workshop, or shipment of a replacement product to the site.
You can only order DrivePro® Extended Warranty when purchased with a new drive. For drives previously shipped or purchased; contact your local Danfoss Drives sales office for extended warranty contract options.

130R1125 ↗
DrivePro ExWarr Work Shop PG03 54 Month
DrivePro® Standard Extended Warranty provides repair at a Danfoss Drives workshop, or shipment of a replacement product to the site.
You can only order DrivePro® Extended Warranty when purchased with a new drive. For drives previously shipped or purchased; contact your local Danfoss Drives sales office for extended warranty contract options.

130R1124 ↗
DrivePro ExWarr Work Shop PG03 48 Month
DrivePro® Standard Extended Warranty provides repair at a Danfoss Drives workshop, or shipment of a replacement product to the site.
You can only order DrivePro® Extended Warranty when purchased with a new drive. For drives previously shipped or purchased; contact your local Danfoss Drives sales office for extended warranty contract options.

130R1127 ↗
DrivePro ExWarr Work Shop PG03 66 Month
DrivePro® Standard Extended Warranty provides repair at a Danfoss Drives workshop, or shipment of a replacement product to the site.
You can only order DrivePro® Extended Warranty when purchased with a new drive. For drives previously shipped or purchased; contact your local Danfoss Drives sales office for extended warranty contract options.

130R1128 ↗
DrivePro ExWarr Work Shop PG03 72 Month
DrivePro® Standard Extended Warranty provides repair at a Danfoss Drives workshop, or shipment of a replacement product to the site.
You can only order DrivePro® Extended Warranty when purchased with a new drive. For drives previously shipped or purchased; contact your local Danfoss Drives sales office for extended warranty contract options.

For more information, please use this link to visit the product page on Danfoss Product Store ↗

Services

130R1303 ⧉

DrivePro Start-Up unit pre-order small

DrivePro® Start-up gives the Customer a full range of checks and adjustments during commissioning of the drive, ensuring their system is tuned for optimal performance right from day one.

The following benefits can be gained:

• Installation is checked to ensure it complies to Danfoss guide lines.

• The AC drive is fine-tuned specific to the application, ensuring optimal performance.

• Maximum energy savings to the Customer.

• Extend the AC drive's lifespan.

• Report detailing findings.

Before DrivePro® Start-up can be implemented, the AC drive must be installed and

ready for operation. The entire system must be fully operational under normal operation conditions. Installation of the drive is not included in this package. Commissioning needs to take place during the standard working hours.

General Terms and Conditions of Delivery and Warranty apply.

130R1324 ⧉

DrivePro Start-Up ctrl. IFT test small

DrivePro Start-Up Control interface testing small frame unit

130R1313 ⧉

DrivePro Start-Up 1 day on-demand small

DrivePro® Start-up gives the Customer a full range of checks and adjustments during commissioning of the drive, ensuring their system is tuned for optimal performance right from day one.

The following benefits can be gained:

• Installation is checked to ensure it complies to Danfoss guide lines.

• The AC drive is fine-tuned specific to the application, ensuring optimal performance.

• Maximum energy savings to the Customer.

• Extend the AC drive's lifespan.

• Report detailing findings.

Before DrivePro® Start-up can be implemented, the AC drive must be installed and

ready for operation. The entire system must be fully operational under normal operation conditions. Installation of the drive is not included in this package. Commissioning needs to take place during the standard working hours.

General Terms and Conditions of Delivery and Warranty apply.

For more information, please use this link to visit the product page on Danfoss Product Store ⧉

Services

130R1312 ⬈

DrivePro Start-Up 1 Day Pre-order small

DrivePro® Start-up gives the Customer a full range of checks and adjustments during commissioning of the drive, ensuring their system is tuned for optimal performance right from day one.
The following benefits can be gained:
• Installation is checked to ensure it complies to Danfoss guide lines.
• The AC drive is fine-tuned specific to the application, ensuring optimal performance.
• Maximum energy savings to the Customer.
• Extend the AC drive's lifespan.
• Report detailing findings.
Before DrivePro® Start-up can be implemented, the AC drive must be installed and
ready for operation. The entire system must be fully operational under normal operation conditions. Installation of the drive is not included in this package. Commissioning needs to take place during the standard working hours.
General Terms and Conditions of Delivery and Warranty apply.

130R1304 ⬈

DrivePro Start-Up unit on-demand small

DrivePro® Start-up gives the Customer a full range of checks and adjustments during commissioning of the drive, ensuring their system is tuned for optimal performance right from day one.
The following benefits can be gained:
• Installation is checked to ensure it complies to Danfoss guide lines.
• The AC drive is fine-tuned specific to the application, ensuring optimal performance.
• Maximum energy savings to the Customer.
• Extend the AC drive's lifespan.
• Report detailing findings.
Before DrivePro® Start-up can be implemented, the AC drive must be installed and
ready for operation. The entire system must be fully operational under normal operation conditions. Installation of the drive is not included in this package. Commissioning needs to take place during the standard working hours.
General Terms and Conditions of Delivery and Warranty apply.

For more information, please use this link to visit the product page on Danfoss Product Store ⬈

Services

130R1380 ↗

DrivePro Start-Up ½ day pre-order small

DrivePro® Start-up gives the Customer a full range of checks and adjustments during commissioning of the drive, ensuring their system is tuned for optimal performance right from day one.
The following benefits can be gained:
• Installation is checked to ensure it complies to Danfoss guide lines.
• The AC drive is fine-tuned specific to the application, ensuring optimal performance.
• Maximum energy savings to the Customer.
• Extend the AC drive's lifespan.
• Report detailing findings.
Before DrivePro® Start-up can be implemented, the AC drive must be installed and
ready for operation. The entire system must be fully operational under normal operation conditions. Installation of the drive is not included in this package. Commissioning needs to take place during the standard working hours.
General Terms and Conditions of Delivery and Warranty apply.

130R1381 ↗

DrivePro Start-up ½ day on-demand small

DrivePro® Start-up gives the Customer a full range of checks and adjustments during commissioning of the drive, ensuring their system is tuned for optimal performance right from day one.
The following benefits can be gained:
• Installation is checked to ensure it complies to Danfoss guide lines.
• The AC drive is fine-tuned specific to the application, ensuring optimal performance.
• Maximum energy savings to the Customer.
• Extend the AC drive's lifespan.
• Report detailing findings.
Before DrivePro® Start-up can be implemented, the AC drive must be installed and
ready for operation. The entire system must be fully operational under normal operation conditions. Installation of the drive is not included in this package. Commissioning needs to take place during the standard working hours.
General Terms and Conditions of Delivery and Warranty apply.

130R1348 ↗

DrivePro Remote Monitoring - Annual Fee

For more information, please use this link to visit the product page on Danfoss Product Store ↗