



131B0001 🕑

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		5.02 kg
Net weight		4.5 kg
Volume		19.867
EAN		5702427090569
VLT® AUTOMATIONDRIVE FC	300 SERIES	
Product View (Switch)	GLBL	Global (Standard)
Product Group	FC-	VLT [®] AutomationDrive FC-
Series	302	302
Power Rating	P4K0	(P4K0) 4.0 KW / 5.5 HP
Phase	Т	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	Х	No brake chopper
LCP	X	No Loc. Cont. Panel
Coating PCB	Х	Not coated PCB
Mains Option	Х	No Mains Option
Adaptation A	Х	Standard Cable Entries
Adaptation B	Х	No adaptation
Software Release	SXXX	Latest release std. SW.
Software Language Pack	Х	Standard Language Pack
A Option	AX	No A Option
B Option	BX	No B Option
C0 Option MCO	CX	No C0 option
C1 Option	Х	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-302P4K0T5E20H1XXX	
Typecode Part 2		XXXSXXXAXBXCXXXXDX	
Product Catalog	NO_VIEW	NO VIEW	
Power 160% (HO) [KW]		4	
Width w/ two C options [mm]		150,0	
kVA		6.93	
Power Loss HO [W]		124	
Power Loss HO [W]		124	
Continuous Current (HO) [A]		10	
Intermittent Current (HO) [A]		16	
Continuous Current (HO) [A]		8.2	
Intermittent Current (HO) [A]		13.1	
Calculated Gross Weight [kg]		5.02	
Calculated Net Weight [kg]		4.5	
Vendor	ERR01	Cannot Determine Vendor	
Modelcode01		FC-302P4K0T5E20H1XXX	-
Modelcode02		XXXSXXXAXBXCXXXXDX	

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.



130B7635 🕑

VLT® Lift Controller MCO 361

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

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

Accessories



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



130B7389 🛛

NEMA 1 Conversion Kit, Top, 10 pcs, A2



130B7145 년 VLT® SALT Controller MCO 360



130B9860 🗠

PROFIsafe device.

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

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 🗈





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 🗅





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 2

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 🗷





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 🗅





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 2

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 🗷

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 GSDfile. 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 🗷

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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 🗅





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 🗈



1 :	130B1134 🖻
1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -	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 🗷

ENGINEERING TOMORROW

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	130B1122 🖻
	IP 21/Type 1 conversion kit, A2
	Cover for housing size A2 MCF 101 NEMA1 / IP21
	130B1120 🖻
And Balloute and a	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
\wedge	130B1117 🖻
[]	LCP Mounting Kit, w/ no LCP
O:	The kit includes fasteners, 3m cable and gasket - There is no LCP
	included.
	130B1115 ₪
NG NU Salar	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 🖻
O_	LCP Mounting Kit w/ numerical LCP101, 3m
	The kit includes numerical LCP, fasteners, 3m cable and gasket.
	130B1113 🖻
Q.	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 🗈





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
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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 🗷

Product Detail | FC-302P4K0T5E20H1XXXXXXSXXXAXBXCXXXXDX

ENGINEERING TOMORROW



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 GSDfile. 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 🗅

Product Detail | FC-302P4K0T5E20H1XXXXXXSXXXAXBXCXXXXDX

ENGINEERING TOMORROW



Accessories



130B1088 🖄

130B1490 🖻

LCP Blindcover, w/ Danfoss logo, IP20/21

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

Image coming soon

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

Image coming

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 🗷



Image coming soon	134B5225 ⊵ Remote LCP unit, 10m Remote mounting kit for LCP with cover for outdoor mounting with 10 m (33 ft) cable
lmage coming soon	134B5224 ⊠ Remote LCP unit, 5m Remote mounting kit for LCP with cover for outdoor mounting with 5 m (16 ft) cable
*0°	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
Image	134B1992 🗠



Control Terminals w/ screw connections



130B1266 🛛 VLT MCB 115 Programmable I/O, coated VLT® MCB 115 programmable I / O, coated

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



	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
lmage coming soon	130B4847 면 extension cable for lcp+communication
and	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
Ø	134B8496 [™] CABLE ASSY 10M, STRAIGHT SOCKET CONNETC.

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



Image coming soon	134B8497 🖻 Cable assy, M12 female connec.10m screen
lmage coming soon	134B6883 IZ VLT Progr. Contr. MCB 301, coated
	134B9425 Enclosure protection in StainI 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, 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 \pm 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 (\pm 10%) 24DC <2,4W T2-IP65 plastic housing with three-line display 70x40 mm (WxH), a M16

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







134B9413 🕑

Airflow CO2 & AirQuality, Modbus

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, guick-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 \pm 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 \pm 30 ppm (\pm 3 % of measured value) & temperature dependence: \pm 5 ppm pro °C or \pm 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 🗅

ENGINEERING TOMORROW



Accessories



134B9412 🕑

Airflow PT1000 Class B, -30/+150C DUCT TEMPERATURE SENSOR TF 65

The TF 65 temperature measuring transducer is a PT1000 class B resistance sensor with passive output. Measuring range from $-30...+150^{\circ}$ 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: $-30...+150^{\circ}$ C/ $-22...+302^{\circ}$ F Ambient temperature: $-20...+100^{\circ}$ C/ $-4...+212^{\circ}$ 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 Temp & Humidity, Modbus

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 \pm 2.0 % (20...80 % RH) at +25 °C, otherwise ± 3.0 % Deviation, temperature: typical \pm 0.4 K at +25 °C / \pm 77 °F Zero point offset: \pm 10 % RH (humidity) / \pm 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 🗅







134B9410 🕑

Wall sensor Temperature, Modbus	
OUTSIDE / WET ROOM TEMPERATURE SENSOR ATM2-MB	
Calibratable outside temperature sensor ATM2, PT1000 measure temperatu	re
(-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 \pm 0.2 K at +25 °C / \pm 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%) / 1536VDC - 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 Temp & Humidity & 7000Pa, Modbus

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 guick-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 \pm 2.0 % (20...80 % RH) at +25°C/+77°F , otherwise ± 3.0 % Deviation, temperature: typical \pm 0.2 K at +25 °C / \pm 0.4 °F at +77 °F Pressure range: ± 7000 Pa Accuracy: 7000 Pa/28 inWC: typical \pm 105 Pa at +25 °C / \pm 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 🗷





Image comin soon	 134B9408 ≥ Airflow Temp & Humidity & 500Pa, Modbus 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 (0100% 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: 0100 % RH (humidity) / – 35+80°C /-31 +176°F (temperature) Medium: clean air and non-aggressive, non-combustible gases Deviation, humidity: 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%) / 1536VDC - 24DC <0,2W Operation temperature: -30+70 °C / -22+158 °F 	
	Power: 24VAC (± 20%) / 1536VDC - 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 🗈







134B9407 🕑

Airflow Temp & Humidity, Modbus

DUCT HUMIDITY- AND TEMPERATURE SENSORS KFTF-MB Calibratable duct humidity and temperature sensor KFTF-T3 (\pm 2.0%) with Modbus RTU connection, in a resistant IP65 plastic housing with quicklocking 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 7000Pa&7000Pa, Anl 0-10V/4-20mA 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 🗅







134B9405 🖄

Pressure 500Pa&7000Pa, Anl 0-10V/4-20mA

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: \pm 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



134B9404 🛛

Pressure 500Pa & 500Pa, Anl 0-10V/4-20mA

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 °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 🗅

ENGINEERING TOMORROW



Accessories



134B9402

Pressure 7000Pa&7000Pa & PT1000, Modbus 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 quicklocking 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: \pm 7000 Pa and \pm 7000 Pa Accuracy: 7000 Pa/28 inWC: typical \pm 105 Pa at +25 °C / \pm 0.12 inWC at + 77 °F Linearity: < \pm 1 % of final value & Temperature drift: \pm 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



134B9401 🛛

Pressure 500Pa & 7000Pa & PT1000, Modbus 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 quicklocking 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 \pm 13 Pa at +25 °C / \pm 0.05 inWC at + 77 °F Accuracy: 7000 Pa/28 inWC: typical \pm 105 Pa at +25 °C / \pm 0.12 inWC at + 77 °F Linearity: < \pm 1 % of final value & Temperature drift: \pm 0.1 % per °C # °F Zero point offset: ± 10 % of measuring range Above- # below-pressure: max. \pm 50 kPa / \pm 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

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

ENGINEERING TOMORROW



Accessories



134B9400 🗠

Pressure 500Pa & 500Pa & PT1000, Modbus	
DUAL AIR PRESSURE SENSOR ±500PA & ±500PA-MB	
Dual maintenance-free pressure sensor with connection facility for	
external Pt1000 sensor (-50+150°C). Microprocessor-controlled wit	h
Modbus RTU connection in a resistant IP65 plastic housing with quic	k-
locking screws, connection nozzles for pressure hose (Ø 6 mm) and M	И16
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: \pm 500 Pa and \pm 500 Pa	
Accuracy: 500 Pa/2.0 in WC: typical \pm 13 Pa at +25 °C / \pm 0.05 in WC at	+
77 °F	
Linearity: < \pm 1 % of final value & Temperature drift: \pm	
0.1% per °C∕°F	
Zero point offset: \pm 10 % of measuring range	
Above-/below-pressure: max. \pm 50 kPa / \pm 200 inWC	
Power: 24VAC (± 20%) <0,2W / 1536VDC	
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	

Spare Parts

lmage coming soon	176F8949 전 Fuse, Input, LP-CC 20A, 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	
×10	130B9001 🖻 multiple 2 pole power combicon, 24V plug	
	130B5601 고 VLT® DeviceNet converter MCA194 coated VLT® DeviceNet converter MCA194 coated	

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

Product Detail | FC-302P4K0T5E20H1XXXXXSXXXXAXBXCXXXXDX

ENGINEERING TOMORROW



Spare Parts	pare Parts	
	130B1012 🗹 Terminal cover frame A1-A3 with option	
	130B1011 ⊠ Terminal cover frame A1-A3 w/o option	
· ·	130B1008 년 Frame for LCP Control Pad with option	
5001007	130B1007 I ² Frame for LCP Control Pad w/o option	
	130B1022 ⊠ Accessory bag for framesize A2, A3	
all all and a second se	130B0295 전 sparepart/terminals accessory bag	
×10	130B1073 ☑ 10 pole connector	
×10	130B1072 년 8 pole connector	
2.2. 2.2.	130B1069 ≥ Multiple relay 1 plug spare, 3 pole connector, relay 1, fc300	
	130B1068 ▷ Multiple relay 2 plug spare, 3 pole connector, relay 2, fc300	

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* 1.i \$ \$ \$ \$ # \$ \$ \$ \$	130B1067 [™] Multiple non-twistd mains plug
	130B1096 [™] Fan assembly 70x70x25 mm coated
	130B1088 IZ LCP Blindcover, w/ Danfoss logo, IP20/21
	134B0286 업 EMC Shield A2, A3
These	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
	134B1975 ^[2] Decoupling Plate for filedbus Cables
	130B1383 ☑ acc. bag multipck 5 pc frame A2/3 Krones acc. bag multipack 5pcs for A2/3-frame.
lmage coming soon	134B5998 업 24 pole jumper/2 connector jumper
Image coming soon	134B6883 ⊠ VLT Progr. Contr. MCB 301, coated
1010 A	130B1071 ⊠ 6 Pole Connector, FC series,10 pcs 6-pole spring cage connectors 10 pcs

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





Spare Parts



134B9413 🕑

Airflow CO2 & AirQuality, Modbus

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, guick-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 \pm 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 \pm 30 ppm (\pm 3 % of measured value) & temperature dependence: \pm 5 ppm pro °C or \pm 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 🗅





131B0050 ▷ FC-302P4K0T5E20H1BGXXXXSXXXAXBXCXXXXDX Frequency converter FC-302P4K0T5E20H1BGXXXXSXXXAXBXCXXXXDX VLT® AutomationDrive FC-302 (P4K0) 4.0 KW / 5.5 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

Model code: FC-302P4K0T5E20H1BGXXXXSXXXAXBXCXXXXDX

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

Other options according to Model code

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 🗅



 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 m Z

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 130R1024 ☑ DrivePro ExWarr Onsite PG03 48 Months DrivePro® On-site Extended Warranty provides repair at the customer site, or replacement at the customer 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.
130R1025 DrivePro ExWarr Onsite PG03 54 Months DrivePro® On-site Extended Warranty provides repair at the customer site, or replacement at the customer 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.
130R1020 ☑ DrivePro ExWarr Onsite PG03 24 Months DrivePro® On-site Extended Warranty provides repair at the customer site, or replacement at the customer 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.
130R1022 ☑ DrivePro ExWarr Onsite PG03 36 Months DrivePro® On-site Extended Warranty provides repair at the customer site, or replacement at the customer 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.
130R1021 DrivePro ExWarr Onsite PG03 30 Months DrivePro® On-site Extended Warranty provides repair at the customer site, or replacement at the customer 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.
130R1027 DrivePro ExWarr Onsite PG03 66 Months DrivePro® On-site Extended Warranty provides repair at the customer site, or replacement at the customer 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 🗈



	 130R1026 ☑ DrivePro ExWarr Onsite PG03 60 Months DrivePro® On-site Extended Warranty provides repair at the customer site, or replacement at the customer 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.
	 130R1028 ☑ DrivePro ExWarr Onsite PG03 72 Months DrivePro® On-site Extended Warranty provides repair at the customer site, or replacement at the customer 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.
	 130R1023 ☑ DrivePro ExWarr Onsite PG03 42 Months DrivePro® On-site Extended Warranty provides repair at the customer site, or replacement at the customer 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.
Derive 0 State of the state of	 130R1303 M 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.
	130R1324 ☑ DrivePro Start-Up ctrl. IFT test small DrivePro Start-Up Control interface testing small frame unit



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

ENGINEERING TOMORROW



Services





130R1321 🛛

DrivePro Start-Up special applic. small DrivePro Start-Up special applications 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.



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.

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





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.



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 $\mathsf{DrivePro}^{\ast}$ 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 🗅





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.

Image coming soon

130R1348 🛛

DrivePro Remote Monitoring - Annual Fee

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