


137G8674
FC-302P75KT5E55H1XGXXXXSXXXXALB8CXXXXDX

Frequency converter
 FC-302P75KT5E55H1XGXXXXSXXXXALB8CXXXXDX
 VLT® AutomationDrive FC-302
 (P75K) 75 KW / 100 HP,
 Three phase, 380 - 500 VAC, IP55 / Type 12
 (H1) RFI Class A1/B (C1)
 No brake chopper
 Graphical Loc. Cont. Panel
 Not coated PCB, No Mains Option
 Latest release std. SW.
 Frame: C2
 PROFINET MCA 120, MCB-152 PROFIsafe
 No C1 option, No D option

Other options according to Model code

Model code: FC-302P75KT5E55H1XGXXXXSXXXXALB8CXXXXDX

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		62.2 Kilogram
Net weight		58.86 Kilogram
Volume		232.653 Liter
EAN		5715253350318
Product View (Switch)	GLBL	Global (Standard)
Product Group	FC-	VLT® AutomationDrive FC-
Series	302	302
Power Rating	P75K	(P75K) 75 KW / 100 HP
Phase	T	Three phase
Mains Voltage	5	380 - 500 VAC
Enclosure	E55	IP55 / Type 12
RFI Filter	H1	(H1) RFI Class A1/B (C1)
Brake - Safe Stop	X	No brake chopper
LCP	G	Graphical 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	AL	PROFINET MCA 120
B Option	B8	MCB-152 PROFIsafe
C0 Option MCO	CX	No C0 option
C1 Option	X	No C1 option

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PRODUCT DETAILS

C Option Software	XX	No software option
D Option	DX	No D option
Frame Size	C2	C2
Typecode Part 1		FC-302P75KT5E55H1XGX
Typecode Part 2		XXXXXXXALB8CXXXXDX
Product Catalog	NO_VIEW	NO VIEW
Power 150% (HO) [KW]	75	75
Power 110% (NO) [KW]	90	90
Height [mm]	780,0	780,0
Width w/ no C options [mm]	370,0	370,0
Depth [mm]	332,0	332,0
Depth with Option A/B [mm]	332,0	332,0
kVA	102	102
Power Loss NO [W]	1474	1474
Power Loss NO [W]	1474	1474
Power Loss HO [W]	1232	1232
Power Loss HO [W]	1232	1232
Continuous Current (NO) [A]	177	177
Intermittent Current (NO) [A]	195	195
Continuous Current (NO) [A]	160	160
Intermittent Current (NO) [A]	176	176
Continuous Current (HO) [A]	147	147
Intermittent Current (HO) [A]	220	220
Continuous Current (HO) [A]	130	130
Intermittent Current (HO) [A]	195	195
Calculated Gross Weight [kg]		62.2
Calculated Net Weight [kg]		58.86
ECCN EU	Y901	Y901
ECCN US	3A999.a	3A999.a
Plant from Orderline	B901	B901
Vendor	ERR01	Cannot Determine Vendor
Recommended Factory	ERR01	Cannot Determine Vendor
Modelcode01		FC-302P75KT5E55H1XGX
Modelcode02		XXXXXXXALB8CXXXXDX
Recommended Plant	ERR01	ERR01

For Documents, Software, Visuals and more information, please use this link to visit the product page on Danfoss Product Store [🔗](#)

Accessories


130B0295 [🔗](#)
sparepart/terminals accessory bag

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Accessories



130B1049 [🔗](#)

Panel Through Mounting Kit, C2

Push-through frame kit for FC size C2. Contains mounting frame, seal, fastening material and assembly instructions.



130B1070 [🔗](#)

RS485 plug, FC series, 10 pcs

10 pcs RS485 connectors for FC-series.
Product group: R



130B1071 [🔗](#)

6 Pole Connector, FC series, 10 pcs

6-pole spring cage connectors 10 pcs



130B1077 [🔗](#)

Blindcover, w/ Danfoss logo, IP55/66

LCP Blindcover IP66



130B1078 [🔗](#)

VLT® Control Panel LCP 102, graphical

LCP 102 - graphic control unit for FC100 / 200/300, degree of protection IP66



130B1084 [🔗](#)

Mounting Brackets, C2

Mounting brackets for enclosure size C2



130B1088 [🔗](#)

LCP Blindcover, w/ Danfoss logo, IP20/21



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.



130B1108 [🔗](#)

VLT® 24V DC Supply MCB 107, uncoated

Connect an external DC supply to keep the control section and any installed options alive during power failure. Enables full operation of the LCP (including the parameter setting) and all installed options without connection to mains.

For more information, please use this link to visit the product page on Danfoss Product Store [🔗](#)

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Accessories



130B1113 [🔗](#)

LCP Mounting Kit w/ graphical LCP102, 3m

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



130B1114 [🔗](#)

LCP Mounting Kit w/ numerical LCP101, 3m

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



130B1117 [🔗](#)

LCP Mounting Kit, w/ no LCP

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



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.



130B1129 [🔗](#)

LCP Mounting Kit FC IP55/66, 8m

The kit includes fasteners, 8m cable, gasket and a blind cover to ensure IP55/ 66 after the LCP has been mounted elsewhere. The 8m cable is open in one end and the connector block is included in the package. No LCP included.



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

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Accessories

**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.

**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

**130B1156** [🔗](#)**USB extension Cable, 650mm**

USB extension kit for FC 300 cable length: 650mm for the housing size: B2, C1 and C2 screw connection M 25

**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.

**130B1170** [🔗](#)**LCP Panel Mounting Kit**

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

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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.

**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

**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
-

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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)

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Danfoss can offer help with programming / setting up MCO options. Contact Danfoss for advice and prices.

Product group: R

**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.

**130B1266** [🔗](#)**VLT MCB 115 Programmable I/O, coated**

VLT® MCB 115 programmable I / O, coated

**130B1387** [🔗](#)**5xMCB107 24VDC no coat w.out mount brack****130B3911** [🔗](#)**Back plate IP21/Type 1, IP55/Type 12, C2**

FC 300 back cover for the devices in IP21 / 55 Case size C2

**130B4597** [🔗](#)**Weather shield f. outdoor instl. C1, C2**

Weather shield for enclosure sizes C1, C2

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Accessories

Image coming soon

130B4847 [🔗](#)
extension cable for lcp+communication



130B5435 [🔗](#)
DIN Rail Mounting Kit



130B5436 [🔗](#)
Side Fixture Mounting Kit

Side Fixture Mounting Kit for enclosure size A5 / B1 / B2 / C1 / C2
 To be used when retrofitting the following MCA options:
 MCA 120 Profinet
 MCA 121 EtherNet
 MCA 122 Modbus TCP
 MCA 123 POWERLINK
 MCA 124 EtherCAT
 Product group: R1



130B5601 [🔗](#)
VLT® DeviceNet converter MCA194 coated
 VLT® DeviceNet converter MCA194 coated



130B7145 [🔗](#)
VLT® SALT Controller MCO 360



130B7533 [🔗](#)
Mounting Kit C Option, B/C/D/E/F(not B3)
 MCF105 C Option, Mounting Kit A2 and A3



130B7635 [🔗](#)
VLT® Lift Controller MCO 361
 VLT® Motion Control MCO 305 with special software for lift application

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Accessories



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 coming soon

134B1969 [🔗](#)

Accessory bag for frame size C2

Accessory bag for frame size C2

Image coming soon

134B1992 [🔗](#)

Control Terminals w/ screw connections



134B5223 [🔗](#)

Remote LCP unit, 3m

Remote mounting kit for LCP with cover for outdoor mounting with 3 m (10 ft) cable

Image coming soon

134B5224 [🔗](#)

Remote LCP unit, 5m

Remote mounting kit for LCP with cover for outdoor mounting with 5 m (16 ft) cable

Image coming soon

134B5225 [🔗](#)

Remote LCP unit, 10m

Remote mounting kit for LCP with cover for outdoor mounting with 10 m (33 ft) cable

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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



134B6782 [🔗](#)

Front cover with gasket for C2

Image coming soon

134B6883 [🔗](#)

VLT Progr. Contr. MCB 301, coated

Image coming soon

134B7207 [🔗](#)

cable clamp/d=44-48 k48b

Image coming soon

134B7209 [🔗](#)

cable clamp/d=36-40 k40b



134B7466 [🔗](#)

Option A Ethernet Package



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

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Accessories



134B8496 [🔗](#)
CABLE ASSY 10M, STRAIGHT SOCKET CONNETC.

Image coming soon

134B8497 [🔗](#)
Cable assy, M12 female connec.10m screen



134B9400 [🔗](#)
Pressure Sensor 7245T 2x500Pa & PT1000
 DUAL AIR PRESSURE SENSOR ± 500 PA Temperature drift: $\pm 0.1\%$ per $^{\circ}\text{C}/^{\circ}\text{F}$
 Zero point offset: $\pm 10\%$ of measuring range
 Above-/below-pressure: max. ± 50 kPa / ± 200 inWC
 Power: 24VAC ($\pm 20\%$) & $0,2\text{W} / 15\dots 36\text{VDC}$
 Operation temperature: $-30\dots +70^{\circ}\text{C} / -22\dots +158^{\circ}\text{F}$
 Media temperature $-20\dots +50^{\circ}\text{C} / -4\dots +122^{\circ}\text{F}$
 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 ± 500 PA Temperature drift: $\pm 0.1\%$ per $^{\circ}\text{C} \#^{\circ}\text{F}$
 Zero point offset: $\pm 10\%$ of measuring range
 Above- # below-pressure: max. ± 50 kPa / ± 200 inWC
 Power: 24VAC ($\pm 20\%$) & $0,2\text{W} / 15\dots 36\text{VDC}$
 Operation temperature: $-30\dots +70^{\circ}\text{C} / -22\dots +158^{\circ}\text{F}$
 Media temperature $-20\dots +50^{\circ}\text{C} / -4\dots +122^{\circ}\text{F}$
 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



134B9402 [🔗](#)
Pressure Sensor 7247T 2x7000Pa & PT1000
 DUAL AIR PRESSURE SENSOR ± 7000 PA Temperature drift: $\pm 0.1\%$ per $^{\circ}\text{C} \#^{\circ}\text{F}$
 Zero point offset: $\pm 10\%$ of measuring range
 Above- # below-pressure: max. ± 50 kPa / ± 200 inWC
 Power: 24VAC ($\pm 20\%$) & $0,2\text{W} / 15\dots 36\text{VDC}$
 Operation temperature: $-30\dots +70^{\circ}\text{C} / -22\dots +158^{\circ}\text{F}$
 Media temperature $-20\dots +50^{\circ}\text{C} / -4\dots +122^{\circ}\text{F}$
 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

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Accessories



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 °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



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 °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

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Accessories

134B9406
Pressure Sensor 7227 2x7000Pa, Analog

 DUAL AIR PRESSURE SENSOR $\pm 7000\text{Pa}$ $\pm 7000\text{Pa}$, 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 (\varnothing 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: $\pm 7000\text{ Pa} - 0...1000\text{Pa} / 2000\text{Pa} / 3000\text{Pa} / 5000\text{Pa} / 7000\text{Pa}$

 Accuracy: 7000 Pa typical $\pm 105\text{ Pa}$

 Zero point offset: $\pm 10\%$ of measuring range

 Above- # below-pressure: max. $\pm 50\text{ kPa}$

 Power: 24VAC/DC ($\pm 10\%$) <1,3W,

Output: automatically switching 0 -10 V # 4...20 mA

 Working resistance: R_a (ohms) = 25...450 Ohm (at I output)

 Load resistance: R_L > 15 kOhm (at U output)

 Operation / Media temperature: $-20...+50\text{ }^\circ\text{C} / -4...+122\text{ }^\circ\text{F}$

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


134B9407
Airflow Sensor KFTF Temp & Humidity

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 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 ($-35...+80\text{ }^\circ\text{C}$) 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) / $-35...+80\text{ }^\circ\text{C}$ (temperature)

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

 Deviation, humidity: typical $\pm 2.0\%$ (20...80 % RH) at $+25\text{ }^\circ\text{C}$, otherwise $\pm 3.0\%$

 Deviation, temperature: typical $\pm 0.2\text{ K}$ at $+25\text{ }^\circ\text{C}$

 Zero point offset: $\pm 10\%$ RH (humidity) / $\pm 5\text{ }^\circ\text{C}$ (temperature)

 Power: 24VAC ($\pm 20\%$) / 15...36VDC - 24DC <1,2W

 Operation temperature: $-30...+70\text{ }^\circ\text{C} / -22...+158\text{ }^\circ\text{F}$

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

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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

Image
coming
soon**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 &lt;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

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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


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

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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 $-30...+150^{\circ}\text{C}$. 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 $0^{\circ}\text{C} \pm 0,3\text{ K}$

Measuring range: $-30...+150^{\circ}\text{C} / -22...+302^{\circ}\text{F}$

Ambient temperature: $-20...+100^{\circ}\text{C} / -4...+212^{\circ}\text{F}$

Testing current: $< \text{0.6 mA}$

Insulating resistance: 100 M#, at $+20^{\circ}\text{C}$ (500V DC)

Connection type: 2-wire connection

Measuring tube: stainless steel, V4A (1.4571), $\varnothing 6\text{ mm}$, 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


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

temperature dependence: $\pm 5\text{ ppm pro }^{\circ}\text{C}$ or $\pm 0,5\%$ of measured value pro $^{\circ}\text{C}$ (whichever is higher) pressure dependence: $\pm 0.13\%$ per mm Hg

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

Power: 24VAC/DC ($\pm 10\%$) 24DC $< 1,6\text{W}$

Operation temperature: $-10...+60^{\circ}\text{C} / 14...+140^{\circ}\text{F}$

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

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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 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



175N2584

VLT® EtherNet/IP Modbus TCP gateway

Image coming soon

175U0009

Mounting bracket Kit, 216 x 30 x 18mm

Mounting angle for flatpack resistor 200W



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

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Accessories



185B0011 [🔗](#)

FC-302 Demo Case - 120 Vac Supply

Elevate your sales presentations and on-site training with this high-impact, portable VFD demo kit. Showcasing the Danfoss VLT® FC 302 drive, this suitcase provides a dynamic, hands-on experience for demonstrating the benefits of variable frequency drives in motor control. The integrated flywheel and controls simulate a mechanical load, offering a realistic, visual representation of VFD capabilities. 120VAC Supply (Standard outlet in North America) Dimensions: 24.75 in. x 19.50 in. x 12 in. (63 cm x 50 cm x 30 cm)

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