

**131B4216****FC-102P5K5T4E20H2XGXXXXXXXAXBXXXXDX**

Frekans Knavertörü

FC-102P5K5T4E20H2XGXXXXXXXAXBXXXXDX

VLT® HVAC Drive FC-102

5,5 kW / 7,5 HP, Trifaze

380 - 480 VAC, IP 20 / Şasi

RFI Sınıfı A2 (C3)

Fren kesici yok

Grafik Lokal Kontrol Panel

Kaplama PCB yok, Şebeke Seçeneği yok

Son sürüm std. yazılım

Kasa Boyutu: A3

C1 opsiyonu yok, D seçeneği yok

A Seçeneği Yok, B Seçeneği Yok

Model Koduna göre diğer seçenekler

**Model kodu:** FC-102P5K5T4E20H2XGXXXXXXXAXBXXXXDX

VLT® HVAC Drive, havalandırma, ısıtma ve soğutma uygulamalarına yöneliktir.

Geniş kapsamlı güçlü standart ve isteğe bağlı özellikleri ile bu sürücü en

düşük genel maliyeti sağlar.

**Verimlilik Verilerini Görüntüleme****PRODUCT DETAILS**

|                                      |      |                            |
|--------------------------------------|------|----------------------------|
| <b>Brüt ağırlık</b>                  |      | 6.54 kg                    |
| <b>Net ağırlık</b>                   |      | 5.95 kg                    |
| <b>Hacim</b>                         |      | 27.246 l                   |
| <b>EAN</b>                           |      | 5702427226807              |
| <b>VLT® HVAC DRIVE FC 100 SERIES</b> |      |                            |
| <b>Ürün Görünümü (Anahtar)</b>       | GLBL | Global (Standart)          |
| <b>Ürün Grubu</b>                    | FC-  | VLT® HVAC Drive FC-        |
| <b>Seri</b>                          | 102  | 102                        |
| <b>Güç Değeri</b>                    | P5K5 | 5,5 kW / 7,5 HP            |
| <b>Faz</b>                           | T    | Trifaze                    |
| <b>Şebeke Voltajı</b>                | 4    | 380 - 480 VAC              |
| <b>Muhafaza</b>                      | E20  | IP 20 / Şasi               |
| <b>RFI Filtresi</b>                  | H2   | RFI Sınıfı A2 (C3)         |
| <b>Fren - Güvenli Duruş</b>          | X    | Fren kesici yok            |
| <b>LCP</b>                           | G    | Grafik Lokal Kontrol Panel |
| <b>Kaplama PCB</b>                   | X    | Kaplama PCB yok            |
| <b>Şebeke Opsiyonu</b>               | X    | Şebeke Seçeneği yok        |
| <b>Uyarlama A</b>                    | X    | Standart Kablo Girişleri   |
| <b>Uyarlama B</b>                    | X    | Uyarlama yok               |
| <b>Yazılım Sürümü</b>                | SXXX | Son sürüm std. yazılım     |
| <b>Yazılım Dil Paketi</b>            | X    | Standart Dil Paketi        |
| <b>A Opsiyonu</b>                    | AX   | A Seçeneği Yok             |
| <b>B Opsiyonu</b>                    | BX   | B Seçeneği Yok             |
| <b>C0 Opsiyonu MCO</b>               | CX   | C0 seçeneği yok            |
| <b>C1 Opsiyonu</b>                   | X    | C1 opsiyonu yok            |

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## Product Detail | FC-102P5K5T4E20H2XGXXXXXAXBXCXXXXDX

## PRODUCT DETAILS

|                                |         |                      |
|--------------------------------|---------|----------------------|
| C Opsiyon Yazılımı             | XX      | Yazılım seçeneği yok |
| D Opsiyonu                     | DX      | D seçeneği yok       |
| Kasa Boyutu                    | A3      | A3                   |
| Ürün Kataloğu                  | NO_VIEW | GÖRÜNTÜ YOK          |
| Tür Kodu Parça 1               |         | FC-102P5K5T4E20H2XGX |
| Tür Kodu Parça 2               |         | XXXXXXXAXBXCXXXXDX   |
| Güç %110 (NO) [KW]             |         | 5.5                  |
| Yükseklik [mm]                 |         | 268,0                |
| C opsiyonu olm. genişlik [mm]  |         | 130,0                |
| İki C opsiyonla genişlik [mm]  |         | 190,0                |
| Derinlik [mm]                  |         | 205,0                |
| A/B opsiyonu ile Derinlik [mm] |         | 220,0                |
| kVA                            |         | 9.01                 |
| Güç Kaybı NO [W]               |         | 187                  |
| Güç Kaybı NO [W]               |         | 187                  |
| Sürekli Akım (NO) [A]          |         | 13                   |
| Kesintili Akım (NO) [A]        |         | 14.3                 |
| Sürekli Akım (NO) [A]          |         | 11                   |
| Kesintili Akım (NO) [A]        |         | 12.1                 |
| Hesaplanan Brüt Ağırlık [kg]   |         | 7.1                  |
| Hes. Net Ağ. [kg]              |         | 6.8                  |
| ECCN EU                        |         | Y901                 |
| ECCN US                        |         | 3A999.a              |
| Satıcı                         | ERR01   | Satıcı Belirlenmiyor |
| Fabrika Tarafından Önerilen    | ERR01   | Satıcı Belirlenmiyor |
| Modelkodu01                    |         | FC-102P5K5T4E20H2XGX |
| Modelkodu02                    |         | XXXXXXXAXBXCXXXXDX   |
| Recommended Plant              |         | ERR01                |

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

## Aksesuarlar

**130B7531** [🔗](#)**C Seçeneği için Montaj Kiti, 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

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## Akseuarlar

**130B7530****Mounting Kit f. C Option, 40mm, A2/A3**

MCF 105 assembly kit A2 / A3 for C option

**130B7401****NEMA 1 Conversion Kit, Top, 10 pcs, A3****130B5645****Kaçak Akım İzleme Kiti, A2, A3****130B1170****LCP Panel Montaj Kiti**

Kit; tespit elemanları ve conta içerir. LCP ve kablo içermez.

**130B1387****MCB107 Extern 24VDC Option FC300****130B1385****VLT® Profibus DP V1 MCA101, kplmsz 5 adt****130B0185****Adaptör Plakası, 395x220 mm**

Adaptör plakası ile, FC sürücü için yeni delikler açmak zorunda kalmadan VLT® 5/6/8000'i bir FC sürücü ile değiştirebilirsiniz. Bu, VLT® 5/6/8000'i değiştirmeyi kolay ve hızlı hale getirir ve delik açılmayacağından elektrikli bileşenler için talaş hasarı söz konusu olmaz.

Aşağıdaki VLT® 5/6/8000, Adaptör Plakası 130B0185 üzerine monte edilebilir:

IP20 Kompakt: 200-240 Volt VLT5001-5006, 380/500 Volt VLT5001-5011

IP20/NM1: 200-240 Volt VLT6002-6005, 380/460 Volt VLT6002-6011, 380-480 Volt VLT8006-8011, 550-600

Volt VLT 5001-5011, 525-690 Volt VLT8002-8011

**130B0184****Adaptör Plakası, 395x130 mm**

Adaptör plakası ile, FC sürücü için yeni delikler açmak zorunda kalmadan VLT® 5/6/8000'i bir FC sürücü ile değiştirebilirsiniz. Bu, VLT® 5/6/8000'i değiştirmeyi kolay ve hızlı hale getirir ve delik açılmayacağından elektrikli bileşenler için talaş hasarı söz konusu olmaz.

Aşağıdaki VLT® 5/6/8000, Adaptör Plakası 130B0184 üzerine monte edilebilir:

IP20 Kitabı: 200-240 Volt VLT5004-5006/VLT6004-6005, 380/500 Volt VLT5006-5011, 380-460 Volt

VLT6006-6011

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## Aksesuarlar

**130B0058****Adaptör Plakası, 415x279 mm**

Adaptör plakası ile, FC sürücü için yeni delikler açmak zorunda kalmadan VLT® 3000'i bir FC sürücü ile değiştirebilirsiniz. Bu, VLT® 3000'i değiştirmeyi kolay ve hızlı hale getirir ve delik açılmayacağından elektrikli bileşenler için talaş hasarı söz konusu olmaz. Bir VLT® 3000'in çıkarıldığı yere C Opsiyonu olan ya da olmayan bir FC sürücü monte edilebilir. Aşağıdaki VLT® 3000, Adaptör Plakası 130B0058 üzerine monte edilebilir:

IP20: 220/380/500 Volt VLT3002-3004 (frenli), 380/500 Volt VLT3006-3008 (frensiz)  
IP21: 220/380/500 Volt VLT3002-3004 (frenli), 380/500 Volt VLT3006-3008 (frensiz)  
IP54: 220 Volt VLT3002-3004 (frensiz), 220 Volt VLT3004 (frenli), 380/500 Volt VLT3002-3004 (frenli), 380/500 Volt VLT3002-3006 (frensiz)

**130B1135****VLT® PROFINET MCA 120, kaplamasız**

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

**130B1133****IP 21/Tip 1 dönüştürme kiti, üst, A3**

Bu kitin yalnızca üst parçasıdır. Hem üst hem de alt parçası olan bir kite ihtiyacınız varsa lütfen 130B1123 siparişi verin.

**130B1125****VLT® General Purpose I/O MCB 101, kplmsz**

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, nümerik**

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.

**130B1123****IP 21/Tip 1 dönüştürme kiti, A3**

Cover for housing size A3, type 1 MCF 101 NEMA1 / IP21

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## Akseuarlar

**130B1117****LCP Montaj Kiti, LCP'siz**

Kit; tespit elemanları, 3 m kablo ve conta içerir. LCP içermez.

**130B1110****VLT® Relay Option MCB 105, kaplamasız**

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

**130B1143****VLT® Analog I/O Option MCB 109, kplmsz**

I / O expansion for FC 100, through modular technology easy to retrofit. Analog inputs/outputs galvanically isolated.

Expands the analog inputs / outputs by:

3 analog inputs: 0 ... 10V / Pt1000 / Ni1000

3 analog outputs: 0 ... 10V

Time switch (RTC backup): lithium cell for 10 years

**130B1071****6 Kutuplu Konektör, FC serisi, (10 adet)**

6-pole spring cage connectors 10 pcs

**130B1070****RS485 fiş, FC serisi, (10 adet)**

10pcs RS485 connectors for FC-series.

Product group: R

**130B1108****VLT® 24V DC Supply MCB 107, kaplamasız**

Güç arızası sırasında kontrol bölümünü ve tüm kurulu opsiyonları çalışır durumda tutmak için harici bir DC beslemesi bağlayın. LCP'nin (parametre ayarı dahil) ve tüm kurulu opsiyonların şebeke bağlantısı olmadan tam olarak çalışmasını sağlar.

**130B1102****VLT® DeviceNet MCA 104, kaplamasız**

Gelişmiş Üretici/Tüketici teknolojisi sayesinde güvenli ve verimli veri işleme. ODVA'nın güçlü uygunluk testi ilkeleri, ürünlerin birlikte çalışabilmesini ve G/Ç örneği 20/70.21/71 tarafından desteklenen AC sürücü profili mevcut sistemlerle uyumluluğu sağlar.

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## Aksesuarlar

**130B1100****VLT® Profibus DP V1 MCA 101**

Geniş çaplı uyumluluk, yüksek düzeyde kullanılabilirlik, tüm büyük PLC sağlayıcıları için destek ve gelecekteki versiyonlarla uyumluluk sağlar. Hızlı, verimli iletişim, şeffaf kurulum, gelişmiş arıza bulma ve parametrelendirme ile GSD dosyası kullanarak süreç verilerinin otomatik konfigürasyonu. PROFIBUS DP-V1, -PROFIdrive veya Danfoss FC profili durum makineleri, PROFIBUS DP-V1, Master Sınıf 1 ve 2 kullanarak çevrimsiz parametrelendirme.

**130B1088****IP20/21 için Danfoss logolu LCP kör kpk.****175U0088****Montaj braketleri: Ayak izi, A1****175U0086****Mont.: Brak.: Ayak izi, A3, 2fren rez için**

Back frame A3 for 2 brake resistors

**175Z0929****LCP Kablosu, 3 m**

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  
soon

**175U0009****Montaj braketi kiti, 216 x 30 x 18 mm**

Mounting angle for flatpack resistor 200W

**175N2584****VLT® EtherNet/IP MCA 121, kaplamalı**

Image  
coming  
soon

**134B5225****Uzak LCP ünitesi, 10 m**

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

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## Aksesuarlar

Image  
coming  
soon**134B5224****Uzak LCP ünitesi, 5 m**

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

**134B5223****Uzak Montaj Kiti LCP102, 3 m kablo ile**

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  
coming  
soon**134B1992****Vida bağlantılı kontrol terminalleri****130B1106****VLT® LonWorks MCA 108, kaplamasız**

Bina otomasyonu için geliştirilmiş olup, aynı sistemdeki ayrı ünitelerin iletişimini sağlar (eşler arası) ve kontrolün merkezsizleştirilmesini destekler. Ana istasyona (master-follower) ihtiyaç yoktur. Üniteler sinyalleri doğrudan alır. Echelon serbest topoloji arayüzünü (esnek kablo tesisatı ve kurulum) ve gömülü G/Ç'ler ile G/Ç opsiyonlarını (merkezsizleştirilmiş G/Ç'lerin kolay uygulanması) destekler. Sensör sinyalleri, bus kabloları kullanılarak başka bir kontrolöre kolayca taşınabilir. LonMark versiyon 3.4 teknik özellikleri uyumluluğu onaylanmıştır

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## Aksesuarlar

**130B1144****VLT® BACnet MCA 109, kaplamasız**

Open communication protocol dedicated to building automation

- Efficient integration of all parts of building automation equipment
  - BACnet: standard for building automation worldwide
  - International standard ISO 16484-5
  - can be used in all sizes of building automation systems
  - the Drive communicates easily with construction management systems running the BACnet protocol
  - can be easily integrated into the network of existing control equipment
- Product group: R1

**130B0295****Kontrol kartı girişli aksesuar çantası****130B1022****A2, A3 muh. boyutl. için aksesuar çant.****134B1586****VLT® BACnet/IP MCA 125**

VLT® BACnet/IP MCA 125 opsiyonu, BACnet/IP protokolünü kullanan ya da Ethernet'te BACnet çalıştıran bina yönetim sistemleriyle birlikte VLT® HVAC Drive kullanımını optimize eden tak çalıştır çözümüdür.

VLT® BACnet/IP MCA 125 opsiyonunun gömülü üç adet port tarafından yönetilen anahtarı iki harici ve bir dahili Ethernet portundan oluşur. Bu anahtar, modern kurulumlarda gittikçe daha cazip hale gelen Ethernet kablo tesisatı için hat yapısının kullanılmasını sağlar.

Image  
coming  
soon

**130B4847****extension cable for lcp+communication****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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## Aksesuarlar

**134B8496** **CABLE ASSY 10M, STRAIGHT SOCKET CONNETC.**Image  
coming  
soon**134B8497** **Cable assy, M12 female connec.10m screen**Image  
coming  
soon**134B6883** **VLT Progr. Contr. MCB 301, coated****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  $\pm 1$  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 &amp; 1 x 0 -10 V cascading 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:  $R_L > 50$  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 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

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## Aksesuarlar

**134B9413** **Airflow Sensor KLQ CO2 & Air Quality**

DUCT AIR QUALITY (VOC) AND CO2 SENSOR KLQ-CO2-MB

Maintenance-free duct sensor covering air quality (VOC 0...100 %), carbon dioxide (CO2 0...5000 ppm) and atmospheric pressure (hPa). The air quality is detected by a VOC sensor (mixed gas sensor for volatile organic substances) and include an automatic calibration. It determines the loading of the room air due to contaminated gases such as cigarette smoke, body perspiration, exhaled breathing air, solvent vapors, emissions etc. The air contamination can be selected into different sensitivity ranges as low, medium or high. The CO2 measurement is performed using an optical NDIR sensor (non-dispersive infra-red technology), and the detection range is calibrated for standard applications such as monitoring residential rooms and conference rooms. A microprocessor-controlled solution with factory sensor calibration, Modbus RTU connection in a resistant IP65 plastic housing with mounting flange, quick-locking screws and two M16 cable gland for cable connection. International SI units (default) can be changed to imperial (via Modbus).

VOC Sensor: Volatile Organic Compounds sensor (metal oxide) with automatic calibration

VOC measuring range: 0...100 % air quality; referred to calibrating gas & selection of VOC sensitivities (low/medium/high)

VOC measuring accuracy: typical  $\pm 20$  % 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  $^{\circ}\text{C}$  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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## Aksesuarlar

**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:  $< 0.6\text{ mA}$ 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

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

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

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

Deviation, temperature: typical  $\pm 0.4\text{ K}$  at  $+25^{\circ}\text{C}$  /  $\pm 77^{\circ}\text{F}$ Zero point offset:  $\pm 10\%$  RH (humidity) /  $\pm 5^{\circ}\text{C}$  (temperature)Power: 24VAC ( $\pm 20\%$ ) / 15...36VDC - 24DC  $< 1,2\text{W}$ Operation temperature:  $-30...+70^{\circ}\text{C}$  /  $-22...+158^{\circ}\text{F}$ 

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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## Aksesuarlar

**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 &lt;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

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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## Aksesuarlar

Image  
coming  
soon**134B9408****Airflow Sensor 8148 Temp&Humidity&500Pa**

DUCT HUMIDITY-, TEMPERATURE- AND PRESSURE SENSORS  $\pm 500$ PA-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.  $\pm 500$  Pa) with connection nozzles for pressure hose ( $\varnothing 6$  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  $\pm 3.0$  %  
Deviation, temperature: typical  $\pm 0.2$  K at  $+25$  °C /  $\pm 0.4$  °F at  $+77$  °F  
Pressure range:  $\pm 500$  Pa  
Accuracy: 500 Pa/2.0 inWC: typical  $\pm 13$  Pa at  $+25$  °C /  $\pm 0.05$  inWC at  $+77$  °F  
Above- # below-pressure: max.  $\pm 50$  kPa  
Power: 24VAC ( $\pm 20$ %) / 15...36VDC - 24DC  $<0,2$ W  
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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## Aksesuarlar

**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  $<1,2\text{ W}$

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

**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 ( $\varnothing 6\text{ mm}$ ) 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...1000Pa / 2000Pa / 3000Pa / 5000Pa / 7000Pa

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 ( $\pm 10\%$ )  $<1,3\text{ W}$ ,

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

Working resistance:  $R_a\text{ (ohms)} = 25...450\text{ Ohm}$  (at I output)

Load resistance:  $R_L > 15\text{ kOhm}$  (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

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## Aksesuarlar

**134B9405****Pressure Sensor 7229 500/7000Pa, Analog**DUAL AIR PRESSURE SENSOR  $\pm 500\text{Pa}$  &  $\pm 7000\text{Pa}$ , 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 ( $\varnothing 6\text{ mm}$ ) 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:  $\pm 500\text{ Pa} - 0...100\text{Pa} / 200\text{Pa} / 300\text{Pa} / 500\text{Pa}$  Pressure range selection:  $\pm 7000\text{ Pa} - 0...1000\text{Pa} / 2000\text{Pa} / 3000\text{Pa} / 5000\text{Pa} / 7000\text{Pa}$

Accuracy: 500 Pa typical  $\pm 13\text{ Pa}$ Accuracy: 7000 Pa typical  $\pm 105\text{ Pa}$ Zero point offset:  $\pm 10\%$  of measuring rangeAbove- # below-pressure: max.  $\pm 50\text{ kPa}$ Power: 24VAC/DC ( $\pm 10\%$ )  $<1,3\text{W}$ ,

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

Working resistance:  $R_a\text{ (ohms)} = 25...450\text{ Ohm}$  (at I output)Load resistance:  $R_L > 15\text{ kOhm}$  (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

**134B9404****Pressure Sensor 7225 2x500Pa, Analog**DUAL AIR PRESSURE SENSOR  $\pm 500\text{Pa}$  &  $\pm 500\text{Pa}$ , 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 ( $\varnothing 6\text{ mm}$ ) 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:  $\pm 500\text{ Pa} - 0...100\text{Pa} / 200\text{Pa} / 300\text{Pa} / 500\text{Pa}$

Accuracy: 500 Pa typical  $\pm 13\text{ Pa}$ Zero point offset:  $\pm 10\%$  of measuring rangeAbove- # below-pressure: max.  $\pm 50\text{ kPa}$ Power: 24VAC/DC ( $\pm 10\%$ )  $<1,3\text{W}$ ,

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

Working resistance:  $R_a\text{ (ohms)} = 25...450\text{ Ohm}$  (at I output)Load resistance:  $R_L > 15\text{ kOhm}$  (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

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## Aksesuarlar

**134B9402****Pressure Sensor 7247T 2x7000Pa & PT1000**DUAL AIR PRESSURE SENSOR  $\pm 7000\text{Pa}$  &  $\pm 7000\text{Pa-MB}$ 

Dual maintenance-free pressure sensor with connection facility for external Pt1000 sensor ( $-50\dots+150^\circ\text{C}$ ). Microprocessor-controlled with Modbus RTU connection in a resistant IP65 plastic housing with quick-locking screws, connection nozzles for pressure hose ( $\varnothing 6\text{ mm}$ ) 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:  $\pm 7000\text{ Pa}$  and  $\pm 7000\text{ Pa}$ Accuracy:  $7000\text{ Pa}/28\text{ inWC}$ : typical  $\pm 105\text{ Pa}$  at  $+25^\circ\text{C}$  /  $\pm 0.12\text{ inWC}$  at  $+77^\circ\text{F}$ Linearity:  $< \pm 1\%$  of final value & Temperature drift:  $\pm 0.1\%$  per  $^\circ\text{C}$  /  $^\circ\text{F}$ Zero point offset:  $\pm 10\%$  of measuring rangeAbove- / below-pressure: max.  $\pm 50\text{ kPa}$  /  $\pm 200\text{ inWC}$ Power:  $24\text{VAC}$  ( $\pm 20\%$ )  $< 0,2\text{W}$  /  $15\dots 36\text{VDC}$ 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 &amp; one M12 for temperature

Housing dimensions:  $126 \times 90 \times 50\text{ mm}$  /  $4.96 \times 3.54 \times 1.97\text{ in}$ **134B9401****Pressure Sensor 7249T 500/7000Pa & PT1000**DUAL AIR PRESSURE SENSOR  $\pm 500\text{Pa}$  &  $\pm 7000\text{Pa-MB}$ 

Dual maintenance-free pressure sensor with connection facility for external Pt1000 sensor ( $-50\dots+150^\circ\text{C}$ ). Microprocessor-controlled with Modbus RTU connection in a resistant IP65 plastic housing with quick-locking screws, connection nozzles for pressure hose ( $\varnothing 6\text{ mm}$ ) 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:  $\pm 500\text{ Pa}$  and  $\pm 7000\text{ Pa}$ Accuracy:  $500\text{ Pa}/2.0\text{ inWC}$ : typical  $\pm 13\text{ Pa}$  at  $+25^\circ\text{C}$  /  $\pm 0.05\text{ inWC}$  at  $+77^\circ\text{F}$ Accuracy:  $7000\text{ Pa}/28\text{ inWC}$ : typical  $\pm 105\text{ Pa}$  at  $+25^\circ\text{C}$  /  $\pm 0.12\text{ inWC}$  at  $+77^\circ\text{F}$ Linearity:  $< \pm 1\%$  of final value & Temperature drift:  $\pm 0.1\%$  per  $^\circ\text{C}$  /  $^\circ\text{F}$ Zero point offset:  $\pm 10\%$  of measuring rangeAbove- / below-pressure: max.  $\pm 50\text{ kPa}$  /  $\pm 200\text{ inWC}$ Power:  $24\text{VAC}$  ( $\pm 20\%$ )  $< 0,2\text{W}$  /  $15\dots 36\text{VDC}$ 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 &amp; one M12 for temperature

Housing dimensions:  $126 \times 90 \times 50\text{ mm}$  /  $4.96 \times 3.54 \times 1.97\text{ in}$ **For more information, please use this link to visit the product page on Danfoss Product Store**

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## Aksesuarlar

**134B9400****Pressure Sensor 7245T 2x500Pa & PT1000**DUAL AIR PRESSURE SENSOR  $\pm 500\text{Pa}$  &  $\pm 500\text{Pa-MB}$ 

Dual maintenance-free pressure sensor with connection facility for external Pt1000 sensor ( $-50\dots+150^\circ\text{C}$ ). Microprocessor-controlled with Modbus RTU connection in a resistant IP65 plastic housing with quick-locking screws, connection nozzles for pressure hose ( $\varnothing 6\text{ mm}$ ) 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:  $\pm 500\text{ Pa}$  and  $\pm 500\text{ Pa}$ Accuracy:  $500\text{ Pa}/2.0\text{ inWC}$ : typical  $\pm 13\text{ Pa}$  at  $+25^\circ\text{C}$  /  $\pm 0.05\text{ inWC}$  at  $+77^\circ\text{F}$ Linearity:  $< \pm 1\%$  of final value & Temperature drift:  $\pm 0.1\%$  per  $^\circ\text{C}/^\circ\text{F}$ Zero point offset:  $\pm 10\%$  of measuring rangeAbove-/below-pressure: max.  $\pm 50\text{ kPa}$  /  $\pm 200\text{ inWC}$ Power:  $24\text{VAC}$  ( $\pm 20\%$ )  $< 0.2\text{W}$  /  $15\dots 36\text{VDC}$ 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 &amp; one M12 for temperature

Housing dimensions:  $126 \times 90 \times 50\text{ mm}$  /  $4.96 \times 3.54 \times 1.97\text{ in}$ 

## Yedek parçalar



x10

**130B9001**

multiple 2 pole power combicon, 24V plug

**130B1012**

A1-A3 için terminal kapağı, seçenekli

**130B1011**

A1-A3 için terminal kapağı, seçeneksiz

**130B1008**

LCP Kont. Tabanı için çerç., seçenekli

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## Yedek parçalar

**130B1007** [🔗](#)

LCP Kontr.Tabanı için çerç., seçeneksiz

**130B1022** [🔗](#)

A2, A3 muh. boyutl. için aksesuar çant.

**130B0295** [🔗](#)

Kontrol kartı girişli aksesuar çantası



x10

**130B1073** [🔗](#)

10 Kutuplu konektör (10 adet)



x10

**130B1072** [🔗](#)

8 Kutuplu konektör (10 adet)

**130B1069** [🔗](#)

Çoklu röle 1 fiş

spare, 3 pole connector, relay 1, fc300

**130B1068** [🔗](#)

Çoklu röle 2 fiş

spare, 3 pole connector, relay 2, fc300

**130B1067** [🔗](#)

Çoklu bükümsüz şebeke fişi

**130B1064** [🔗](#)

Fren ve yük paylaşımı için term. bloku

Fren ve yük paylaşımı için terminal bloku

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## Product Detail | FC-102P5K5T4E20H2XGXXXXSXXXXAXBXXXXDX

## Yedek parçalar

**130B1107** **VLT® Control Panel LCP 102**

VLT Control Panel LCP 102

Düz metinli, aydınlatmalı grafik ekran.

Tüm dilleri ve metin karakterlerini destekler.

Kısa sürede devreye alma için hızlı menü.

Parametre grupları için kaydetme ve kopyalama işlevi.

Tüm işlevler için çevrimiçi yardım.

**130B1097** **Fan grubu 80x80x25 mm kaplamalı****130B1088** **IP20/21 için Danfoss logolu LCP kör kpk.****134B0286** **EMC Shield A2, A3****134B1730** **FC-102 için güvenli drşsz kontr. kartı**

Yazılım versiyonu 5.21 veya üstü ile uyumludur. Sürücünüz müşteriye özel bir yazılıma veya marka etiketli bir yazılım versiyonuna sahipse, lütfen kontrol kartı parça numarası 130B1151 için sipariş verin.

**134B1975** **Fieldbus kabloları için dekuplaj plakası**

Image  
coming  
soon

**134B6880** **VLT Progr. Contr. MCA 301, coated**

Image  
coming  
soon

**134B5998** **24 pole jumper/2 connector jumper**

Image  
coming  
soon

**134B6883** **VLT Progr. Contr. MCB 301, coated**

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## Yedek parçalar

**130B1071****6 Kutuplu Konektör, FC serisi, (10 adet)**

6-pole spring cage connectors 10 pcs

**134B9413****Airflow Sensor KLQ CO2 & Air Quality**

DUCT AIR QUALITY (VOC) AND CO2 SENSOR KLQ-CO2-MB

Maintenance-free duct sensor covering air quality (VOC 0...100 %), carbon dioxide (CO2 0...5000 ppm) and atmospheric pressure (hPa). The air quality is detected by a VOC sensor (mixed gas sensor for volatile organic substances) and include an automatic calibration. It determines the loading of the room air due to contaminated gases such as cigarette smoke, body perspiration, exhaled breathing air, solvent vapors, emissions etc. The air contamination can be selected into different sensitivity ranges as low, medium or high. The CO2 measurement is performed using an optical NDIR sensor (non-dispersive infra-red technology), and the detection range is calibrated for standard applications such as monitoring residential rooms and conference rooms. A microprocessor-controlled solution with factory sensor calibration, Modbus RTU connection in a resistant IP65 plastic housing with mounting flange, quick-locking screws and two M16 cable gland for cable connection. International SI units (default) can be changed to imperial (via Modbus).

VOC Sensor: Volatile Organic Compounds sensor (metal oxide) with automatic calibration

VOC measuring range: 0...100 % air quality; referred to calibrating gas & selection of VOC sensitivities (low/medium/high)

VOC measuring accuracy: typical  $\pm 20$  % 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  $^{\circ}\text{C}$  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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## Services

**131F3239****FC-102P7K5T4E20H1UGCXXXXXXXAXBXXXXDX**

Frekans Kvertörü

FC-102P7K5T4E20H1UGCXXXXXXXAXBXXXXDX

VLT® HVAC Drive FC-102

7,5 kW / 10 HP, Trifaze

380 - 480 VAC, IP 20 / Şasi

RFI Sınıfı A1/B (C1)

Fren kesici +Güvenli duruş

Grafik Lokal Kontrol Panel

Kaplama PCB, Şebeke Seçeneği yok

Son sürüm std. yazılım

Kasa Boyutu: A3

C1 opsiyonu yok, D seçeneği yok

A Seçeneği Yok, B Seçeneği Yok

Model Koduna göre diğer seçenekler

**Model kodu:** FC-102P7K5T4E20H1UGCXXXXXXXAXBXXXXDX

VLT® HVAC Drive, havalandırma, ısıtma ve soğutma uygulamalarına yöneliktir. Geniş kapsamlı güçlü standart ve isteğe bağlı özellikleri ile bu sürücü en düşük genel maliyeti sağlar.

**130R1121****DrivePro® Extended Warranty Servis Bayisi**

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® Extended Warranty Servis Bayisi**

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 months**

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.

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**Services**

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**130R1123** **DrivePro Extended Warranty Servis Bayisi**

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 Extended Warranty Servis Bayisi**

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 Extended Warranty Servis Bayisi**

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 Extended Warranty Servis Bayisi**

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 months**

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 Extended Warranty Servis Bayisi**

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.

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**Services**

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**130R1024** **DrivePro Extended Warranty sahada 48 ay**

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 Extended Warranty sahada 54 ay**

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 Extended Warranty sahada 24 ay**

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 Extended Warranty sahada 36 ay**

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 Extended Warranty sahada 66 ay**

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.

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**Services**

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**130R1026** **DrivePro Extended Warranty sahada 60 ay**

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 Extended Warranty sahada 72 ay**

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 Extended Warranty sahada 42 ay**

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.

**130R1303** **DrivePro Start-Up unit pre-order small**

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

The following benefits can be gained:

- Installation is checked to ensure it complies to Danfoss guide lines.
- The AC drive is fine-tuned specific to the application, ensuring optimal performance.
- Maximum energy savings to the Customer.
- Extend the AC drive's lifespan.
- Report detailing findings.

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

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

General Terms and Conditions of Delivery and Warranty apply.

**130R1324** **DrivePro Start-Up ctrl. IFT test small**

DrivePro Start-Up Control interface testing small frame unit

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**Services**

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**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.

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## Services



### 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.

Image  
coming  
soon

### 130R1199

#### DrivePro Site Assessment

investments.

DrivePro® Site Assessment is designed by Danfoss Drives to assess and analyze the drives at your site for effective asset management with a view of their maintenance and their lifecycle conditions. This assessment helps you to maintain, plan and take investments to achieve the highest possible reliability and performance.

Our experts visit your site and collect the data on your drives. We evaluate the collected data and help you to have an overview of risk factors in combination of all the parameters visually inspected at site. We give you a report on key facts which would help your management to take decisions on maintenance, planning, renewals and on future investments.

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## Services



### 130R1380

#### DrivePro Start-Up ½ day pre-order small

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

The following benefits can be gained:

- Installation is checked to ensure it complies to Danfoss guide lines.
- The AC drive is fine-tuned specific to the application, ensuring optimal performance.
- Maximum energy savings to the Customer.
- Extend the AC drive's lifespan.
- Report detailing findings.

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

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

General Terms and Conditions of Delivery and Warranty apply.



### 130R1381

#### DrivePro Start-up ½ day on-demand small

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

The following benefits can be gained:

- Installation is checked to ensure it complies to Danfoss guide lines.
- The AC drive is fine-tuned specific to the application, ensuring optimal performance.
- Maximum energy savings to the Customer.
- Extend the AC drive's lifespan.
- Report detailing findings.

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

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

General Terms and Conditions of Delivery and Warranty apply.

Image  
coming  
soon

### 130R1348

#### DrivePro Remote Monitoring - Annual Fee

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