

**131N9383****FC-102P2K2T4E55H1XXCXXSXXXXAXBXXXXDX**

Frekans Knavtörü

FC-102P2K2T4E55H1XXCXXSXXXXAXBXXXXDX

VLT® HVAC Drive FC-102

2,2 kW / 3,0 HP, Trifaze

380 - 480 VAC, IP 55 / Tip 12

RFI Sınıfı A1/B (C1)

Fren kesici yok

Lokal Kontrol Panel Yok

Kaplama PCB, Şebeke Seçeneği yok

Son sürüm std. yazılım

Kasa Boyutu: A5

C1 opsiyonu yok, D seçeneği yok

A Seçeneği Yok, B Seçeneği Yok

Model Koduna göre diğer seçenekler

Model kodu: FC-102P2K2T4E55H1XXCXXSXXXXAXBXXXXDX

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**

Brüt ağırlık		12.6 kg
Net ağırlık		12.3 kg
Hacim		52.36 l
EAN		5702427903951
VLT® HVAC DRIVE FC 100 SERIES		
Ürün Görünümü (Anahtar)	GLBL	Global (Standart)
Ürün Grubu	FC-	VLT® HVAC Drive FC-
Seri	102	102
Güç Değeri	P2K2	2,2 kW / 3,0 HP
Faz	T	Trifaze
Şebeke Voltajı	4	380 - 480 VAC
Muhafaza	E55	IP 55 / Tip 12
RFI Filtresi	H1	RFI Sınıfı A1/B (C1)
Fren - Güvenli Duruş	X	Fren kesici yok
LCP	X	Lokal Kontrol Panel Yok
Kaplama PCB	C	Kaplama PCB
Şebeke Opsiyonu	X	Şebeke Seçeneği yok
Uyarlama A	O	Metrik dişli kablo girişi
Uyarlama B	X	Uyarlama yok
Yazılım Sürümü	SXXX	Son sürüm std. yazılım
Yazılım Dil Paketi	X	Standart Dil Paketi
A Opsiyonu	AX	A Seçeneği Yok
B Opsiyonu	BX	B Seçeneği Yok
C0 Opsiyonu MCO	CX	C0 seçeneği yok
C1 Opsiyonu	X	C1 opsiyonu yok

Danfoss can accept no responsibility for possible errors in catalogs, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without sub-sequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.

Product Detail | FC-102P2K2T4E55H1XXCXXSXXXXXAXBXCXXXXDX

PRODUCT DETAILS

C Opsiyon Yazılımı	XX	Yazılım seçeneği yok
D Opsiyonu	DX	D seçeneği yok
Kasa Boyutu	A5	A5
Ürün Kataloğu	NO_VIEW	GÖRÜNTÜ YOK
Tür Kodu Parça 1		FC-102P2K2T4E55H1XXC
Tür Kodu Parça 2		XOXXXXXXAXBXCXXXXDX
Güç %110 (NO) [KW]		2.2
Yükseklik [mm]		420,0
C opsiyonu olm. genişlik [mm]		242,0
Derinlik [mm]		200,0
A/B opsiyonu ile Derinlik [mm]		200,0
kVA		3.88
Güç Kaybı NO [W]		88
Güç Kaybı NO [W]		88
Sürekli Akım (NO) [A]		5.6
Kesintili Akım (NO) [A]		6.16
Sürekli Akım (NO) [A]		4.8
Kesintili Akım (NO) [A]		5.28
Hesaplanan Brüt Ağırlık [kg]		12.9
Hes. Net Ağ. [kg]		12.6
ECCN EU		X.A.I.003
ECCN US		3A999
Satıcı	ERR01	Satıcı Belirlenemiyor
Fabrika Tarafından Önerilen	ERR01	Satıcı Belirlenemiyor
Modelkodu01		FC-102P2K2T4E55H1XXC
Modelkodu02		XOXXXXXXAXBXCXXXXDX
Recommended Plant		ERR01

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

Aksesuarlar

**130B4598** [🔗](#)**Dış mkn mntj için hava kış. kor.,A4ilaB2**

Weather shield for enclosure sizes A4, A5, B1, B2

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

Danfoss can accept no responsibility for possible errors in catalogs, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without sub-sequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.

Aksesuarlar

**130B7532****C Seçeneği için Montaj Kiti, A5**

VLT® Mounting kit for enclosure size A5.

To be used when retrofitting the following MCO options:

MCO 102 Advanced Cascade Control

MCO 305 Programmable Motion Controller

MCO 350 Synchronizing Controller

MCO 351 Positioning controller

MCO 360 Salt Controller

MCO 361 Lift Controller

MCB 113 Extended relay card (Located in MCO slot)

Product group: R1

**130B5436****Yan Bağl.Elem. Mntj Kiti Fieldbus Seçen.**

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

**130B5435****DIN Raylı Montaj Kiti****130B1235****VLT® PROFINET MCA 120, kaplamalı**

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

**130B1243****VLT® Analog I/O Option MCB109, kaplamalı**

I / O extension for FC 100, easy to retrofit thanks to modular technology.

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

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

Danfoss can accept no responsibility for possible errors in catalogs, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without sub-sequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.

Aksesuarlar

**130B1219****VLT® EtherNet IP MCA 121, kaplamalı**

EtherNet/IP; ticari kullanıma hazır Ethernet'i, DeviceNet'te bulunan aynı üst katman protokolü ve nesne modeli olan Ortak Endüstriyel Protokole (CIP™) genişletir. Hat topolojisi sağlayan ve harici anahtar ihtiyacını ortadan kaldıran dahili yüksek performanslı anahtar. Daha yüksek sistem kullanılabilirliği için Aygıt Düzeyinde Halka (DLR) topolojisi. CIP™ temelinde, DeviceNet'ten EtherNet/IP'ye geçiş sırasında PLC programının tekrar kullanılmasını mümkün kılar. Dahili web sunucusu uzaktan arıza tespiti ve temel sürücü parametrelerini okuma olanağı sağlar. E-posta bildirimi, uyarı veya alarm bilgilerine hızlı erişim sağlar. Gelişmiş ağ kullanımı için Tek Noktaya Yayın ve Çok Noktaya Yayın iletişimi. En yeni standarda uyum konusunda ODVA onaylı.

**130B1212****VLT® General Purpose I/O MCB 101, kplımlı**

MCB 101 - Advanced I / O option

Expands the number of freely programmable

Control inputs and outputs around the following I / Os:

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

**130B1210****VLT® Relay Option MCB 105, kaplamalı**

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

**130B1208****VLT® 24V DC Supply MCB 107, kaplamalı**

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.

**130B1202****VLT® DeviceNet MCA 104, kaplamalı**

MCA 104 - DeviceNet interface Option for FC300 and FC100
for mounting on the control card. Painted version

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

Danfoss can accept no responsibility for possible errors in catalogs, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without sub-sequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.

Aksesuarlar

**130B1200****VLT® Profibus DP V1 MCA 101, kaplamalı**

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.

**130B1386****VLT® Profibus DP V1 MCA 101, kpl., 5 adt****130B1385****VLT® Profibus DP V1 MCA101, kplmsz 5 adt****130B1296****VLT® Modbus TCP MCA 122, kaplamalı**

Otomasyona yönelik ilk endüstriyel Ethernet tabanlı protokol. Modbus-TCP tabanlı ağlara bağlanır. Bağlantı aralığını her iki yönde 5 ms'ye kadar düşürebilmesi sayesinde, piyasadaki en hızlı çalışan Modbus TCP aygıtları arasında yer alır. Master yedekliliği için iki master arasında çalışırken değiştirebilme özelliği sunar.

**130B1028****Panel Üzerinden Montaj Kiti, A5**

Push-through frame kit for FC size A5 Contains mounting frame, seal, Fastening material and assembly instructions.

**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

**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

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

Danfoss can accept no responsibility for possible errors in catalogs, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without sub-sequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.

Aksesuarlar

**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

**130B1155****MCF103 USB KIT IP55/IP66 Cable 350 mm**

IP55 ve IP66 muhafazaları için USB uzatması.

USB konektörünün sürücü dışında kullanılmasını sağlar. USB uzatması, sürücünün altındaki kablo bileziğine monte edilmek üzere tasarlanmıştır, bu sayede yüksek IP sınıfı sürücülerde bile bilgisayar ile iletişimi çok kolaylaştırır.

A5-B1 muhafazalar için USB uzatması

35 cm kablo

**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

**130B1137****VLT® PTC Thermistor Card MCB 112, kplımlı**

ATEX: II (2) G [Ex eb Gb] [Ex db Gb] / II (2) D [Ex tb Db]

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

**130B1080****Montaj Braketleri, IP55/66, A5**

Mounting brackets for enclosure size A5

**130B1077****IP55/67 için Danfoss logolu LCP kör kpk.**

LCP Blindcover IP66

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

Danfoss can accept no responsibility for possible errors in catalogs, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without sub-sequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.

Aksesuarlar

**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

**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 içim kaydetme ve kopyalama işlevi.

Tüm işlevler için çevrimiçi yardım.

**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.

**130B1098****Arka plaka, IP55/Tip12, A5**

FC 300 back cover (galvanized steel) for the devices in IP21 / 55 Case size: A5

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

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

Danfoss can accept no responsibility for possible errors in catalogs, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without sub-sequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.

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****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

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

Danfoss can accept no responsibility for possible errors in catalogs, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without sub-sequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.

Aksesuarlar

**130B1244****VLT® BACnet MCA 109, kaplamalı**

A. Device profile: Application-Specific-Controller (B-ASC)

Supported objects: Analog Input, Analog Output, Analog Value, Binary

Input, binary output,

Binary Value, Device, Multi-State Output, Notification Class

Protocol: Building automation world standard ISO 16484-5

Data Link Layer: MS / TP 9600, 19200, 38400, 76800

Data sharing: ReadProperty-B, DS-RP-B

ReadPropertyMultiple-B, DS-RPM-B

WriteProperty-B, DS-WP-B

WritePropertyMultiple-B, DS-WPM-B

Alarm and Notification Internal-B, AE-N-I-B

Event Notification: ACK-B, AE-ACK-B

Information-B, AE-INFO-B

Device and Network Dynamic Device Binding-A, DM-DDB-A

Management: Dynamic Device Binding-B, DM-DDB-B

**130B1206****VLT® LonWorks MCA 108, kaplamalı**

Lonworks interface for FC 100. With modular technology

Fieldbus option that can be easily retrofitted for the decentralized integration

of the Frequency converter. The fieldbus option is based on the LonWorks

Technology and corresponds to the LonMark Interoperability Guide.

Painted version for harsh environments

Hardware: Module technology for option slot A

Transceiver: Free topology FTT 10

Transfer rate: 78kbit / s

Protocol: Echelon LonTalk

**134B7093****VLT C-option Adapter MCF 107****130B0295****Kontrol kartı girişli aksesuar çantası****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.

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

Danfoss can accept no responsibility for possible errors in catalogs, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without sub-sequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.

Aksesuarlar

Image
coming
soon**130B4847** 

extension cable for lcp+communication

**134B8814** 

VLT® PROFINET MCA120 coated 5pcs

**134B8492** 

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

**134B8493** 

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

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

**134B8494** 

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

**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

**134B7466** 

Option A Ethernet Package

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

Danfoss can accept no responsibility for possible errors in catalogs, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without sub-sequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.

Aksesuarlar

**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 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

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

Danfoss can accept no responsibility for possible errors in catalogs, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without sub-sequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.

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 ± 20 % of final value (referred to calibrating gas)

CO2 Sensor: optical NDIR sensor (non-dispersive infra-red technology) including atmospheric pressure compensation (up to 1100 mbar) with manual or automatic calibration

CO2 measuring range: 0...5000 ppm

CO2 measuring accuracy: typical ± 30 ppm (± 3 % of measured value) & temperature dependence: ± 5 ppm pro $^{\circ}\text{C}$ or $\pm 0,5$ % of measured value pro $^{\circ}\text{C}$ (whichever is higher) & pressure dependence: ± 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

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

Danfoss can accept no responsibility for possible errors in catalogs, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without sub-sequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.

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

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

Danfoss can accept no responsibility for possible errors in catalogs, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without sub-sequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.

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 <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 <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

Danfoss can accept no responsibility for possible errors in catalogs, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without sub-sequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.

Aksesuarlar

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

DUCT HUMIDITY-, TEMPERATURE- AND PRESSURE SENSORS ± 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. ± 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 ± 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 $<0,2$ 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

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

Danfoss can accept no responsibility for possible errors in catalogs, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without sub-sequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.

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

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

Danfoss can accept no responsibility for possible errors in catalogs, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without sub-sequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.

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: $\pm 500\text{ Pa} - 0 \dots 100\text{Pa} / 200\text{Pa} / 300\text{Pa} / 500\text{Pa}$ Pressure range selection: $\pm 7000\text{ Pa} - 0 \dots 1000\text{Pa} / 2000\text{Pa} / 3000\text{Pa} / 5000\text{Pa} / 7000\text{Pa}$

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: $R_a\text{ (ohms)} = 25 \dots 450\text{ Ohm}$ (at I output)Load resistance: $R_L > 15\text{ kOhm}$ (at U output)Operation / Media temperature: $-20 \dots +50\text{ }^\circ\text{C} / -4 \dots +122\text{ }^\circ\text{F}$

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: $\pm 500\text{ Pa} - 0 \dots 100\text{Pa} / 200\text{Pa} / 300\text{Pa} / 500\text{Pa}$

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: $R_a\text{ (ohms)} = 25 \dots 450\text{ Ohm}$ (at I output)Load resistance: $R_L > 15\text{ kOhm}$ (at U output)Operation / Media temperature: $-20 \dots +50\text{ }^\circ\text{C} / -4 \dots +122\text{ }^\circ\text{F}$

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

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

Danfoss can accept no responsibility for possible errors in catalogs, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without sub-sequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.

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: 24VAC ($\pm 20\%$) $<0,2\text{W}$ / $15\dots36\text{VDC}$ 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: $126 \times 90 \times 50\text{ mm}$ / $4.96 \times 3.54 \times 1.97\text{ in}$ **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: 24VAC ($\pm 20\%$) $<0,2\text{W}$ / $15\dots36\text{VDC}$ 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: $126 \times 90 \times 50\text{ mm}$ / $4.96 \times 3.54 \times 1.97\text{ in}$ **For more information, please use this link to visit the product page on Danfoss Product Store**

Danfoss can accept no responsibility for possible errors in catalogs, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without sub-sequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.

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

Yedek parçalar

**130B4185****IP55 muhafaza A5 için plastik kapak**

x10

130B9001**multiple 2 pole power combicon, 24V plug**Image
coming
soon**130B4819****Metrik dişli a5 için kablo girişi****130B1017****Fan grubu 92x92x38 mm**

FC heatsink fan, frame size A5

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

Danfoss can accept no responsibility for possible errors in catalogs, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without sub-sequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.

Yedek parçalar

**130B0264****Cradle for A5, B1, B2, C1, C2, D2h enclosure**

cradle for LCP cradle for a5, b1, b2, c1,

**130B0295****Kontrol kartı girişli aksesuar çantası****130B1077****IP55/67 için Danfoss logolu LCP kör kpk.**

LCP Blindcover IP66



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

**130B1066****Çoklu bükümlü şebeke fişi**

Multiple twisted mains plug

**130B1064****Fren ve yük paylaşımı için term. bloku**

Fren ve yük paylaşımı için terminal bloku

**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.

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

Danfoss can accept no responsibility for possible errors in catalogs, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without sub-sequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.

Yedek parçalar

Image
coming
soon**134B6880** [🔗](#)**VLT Progr. Contr. MCA 301, coated****134B7172** [🔗](#)**Gasket for local control panel IP55/66****134B7178** [🔗](#)**24 pole 3 connector jumper for C option**

24 pole 3 connector jumper for C option

Image
coming
soon**134B5998** [🔗](#)**24 pole jumper/2 connector jumper****134B7349** [🔗](#)**Internal fan assembly for A5 IP55****134B7466** [🔗](#)**Option A Ethernet Package**Image
coming
soon**134B6883** [🔗](#)**VLT Progr. Contr. MCB 301, coated****130B1071** [🔗](#)**6 Kutuplu Konektör, FC serisi, (10 adet)**

6-pole spring cage connectors 10 pcs

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

Danfoss can accept no responsibility for possible errors in catalogs, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without sub-sequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.

Yedek parçalar

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

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

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

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

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

VOC measuring accuracy: typical ± 20 % of final value (referred to calibrating gas)

CO2 Sensor: optical NDIR sensor (non-dispersive infra-red technology) including atmospheric pressure compensation (up to 1100 mbar) with manual or automatic calibration

CO2 measuring range: 0...5000 ppm

CO2 measuring accuracy: typical ± 30 ppm (± 3 % of measured value) & temperature dependence: ± 5 ppm pro $^{\circ}\text{C}$ or $\pm 0,5$ % of measured value pro $^{\circ}\text{C}$ (whichever is higher) & pressure dependence: ± 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

Services

**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.

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

Danfoss can accept no responsibility for possible errors in catalogs, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without sub-sequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.

Services

**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.

**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.

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

Danfoss can accept no responsibility for possible errors in catalogs, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without sub-sequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.

Services

**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.

**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.

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

Danfoss can accept no responsibility for possible errors in catalogs, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without sub-sequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.

Services

**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.

**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.

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

Danfoss can accept no responsibility for possible errors in catalogs, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without sub-sequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.

Services

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

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

The following benefits can be gained:

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

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

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

General Terms and Conditions of Delivery and Warranty apply.

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

DrivePro Start-Up Control interface testing small frame unit

**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.

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

Danfoss can accept no responsibility for possible errors in catalogs, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without sub-sequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.

Services

**130R1312** **DrivePro Start-Up 1 Day Pre-order small**

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

The following benefits can be gained:

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

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

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

General Terms and Conditions of Delivery and Warranty apply.

**130R1304** **DrivePro Start-Up unit on-demand small**

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

The following benefits can be gained:

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

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

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

General Terms and Conditions of Delivery and Warranty apply.

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

Danfoss can accept no responsibility for possible errors in catalogs, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without sub-sequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.

Services

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.



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.

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

Danfoss can accept no responsibility for possible errors in catalogs, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without sub-sequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.

Services



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

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

Danfoss can accept no responsibility for possible errors in catalogs, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without sub-sequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.