

**131B0514****FC-302P1K1T5E20H1XXXXXSXXXXA0BXCXXXXDX**

Conversores de Frequências

FC-302P1K1T5E20H1XXXXXSXXXXA0BXCXXXXDX

VLT® AutomationDrive FC-302

(P1K1) 1,1 KW / 1,5 HP, Trifásico

380 - 500 VCA, (E20) IP20 / Chassis

(H1) RFI Classe A1/B (C1)

Sem circuito de frenagem

Sem Painele de controle local

PCB não revestida, Sem opcional de rede elétrica

Última versão do SW padrão

quadro: A2

Sem opcional C1, Sem opcional D

PROFIBUS DP MCA 101, Sem Opcionais B

Outras opções de acordo com o código do modelo

Código Danfoss: FC-302P1K1T5E20H1XXXXXSXXXXA0BXCXXXXDX

O VLT® AutomationDrive apresenta um novo conceito de conversores de frequência, onde um único conversor de frequência controla toda faixa de aplicações, desde a mais simples a aplicações semelhante a servo, em qualquer máquina ou linha de produção.

View Efficiency Data**PRODUCT DETAILS**

Peso bruto		5.25 kg
Peso líquido		4.66 kg
Volume		16.53 l
EAN		5702427107335
Sales restriction control		
Matr grp for sales restriction	0001	No grouping
VLT® AUTOMATIONDRIVE FC 300 SERIES		
Visão do produto (Alterar)	GLBL	Global (Padrão)
Grupo de produtos	FC-	VLT® AutomationDrive FC-
Série	302	302
Potência Nominal	P1K1	(P1K1) 1,1 KW / 1,5 HP
Fase	T	Trifásico
Tensão de rede	5	380 - 500 VCA
Gabinete	E20	(E20) IP20 / Chassis
Filtro de RFI	H1	(H1) RFI Classe A1/B (C1)
Freio - Safe Stop	X	Sem circuito de frenagem
LCP	X	Sem Painele de controle local
Revestimento de PCB	X	PCB não revestida
Opcional de rede elétrica	X	Sem opcional de rede elétrica
Adaptação A	X	Entradas de cabo padrão
Adaptação B	X	Sem adaptação
Versão do software	SXXX	Última versão do SW padrão
Pacote de idioma padrão	X	Pacote de Idioma Padrão
Opcional A	A0	PROFIBUS DP MCA 101

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Product Detail | FC-302P1K1T5E20H1XXXXXSXXXXA0BXCXXXXDX

PRODUCT DETAILS

Opcional B	BX	Sem Opcionais B
Opcional C0 do MCO	CX	Sem opcional C0
Opcional C1	X	Sem opcional C1
Software do opcional C	XX	Sem opção de software
Opcional D	DX	Sem opcional D
Tamanho do Chassi	A2	A2
Codificação Parte 1		FC-302P1K1T5E20H1XXX
Codificação Parte 2		XXSXXXXA0BXCXXXXDX
Product Catalog	NO_VIEW	NO VIEW
Potência 160% (HO) [KW]		1.1
Altura [mm]		268,0
Largura s/ opcionais C [mm]		90,0
Largura c/ 2 opcionais C [mm]		150,0
Profundidade [mm]		205,0
Profund. c/ opcional A/B [mm]		220,0
kVA		2.08
Perdas HO [W]		58
Perdas HO [W]		58
Corrente constante (HO) [A]		3
Corrente intermitente (HO) [A]		4.8
Corrente constante (HO) [A]		2.7
Corrente intermitente (HO) [A]		4.32
Peso Bruto Calculado [kg]		5.02
Peso líquido calculado [kg]		4.5
Fornecedor	ERR01	Não é possível determ fornec
Código do modelo 01		FC-302P1K1T5E20H1XXX
Modelocode02		XXSXXXXA0BXCXXXXDX

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

Acessórios

Image
coming
soon

130B3290 [🔗](#)**MCB 151 OPCIONAL DE SEGURANCA - HTL**

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

**130B3280** [🔗](#)**MCB 150 OPCIONAL DE SEGURANCA**

Os módulos de segurança permitem que as máquinas interajam de maneira inteligente com operadores para aumentar a segurança, reduzir custos do sistema, melhorar a flexibilidade e aumentar a produtividade.

Os opcionais VLT® MCB 15x Safe fornecem uma solução inteligente e fácil de usar para estar em conformidade com a norma de segurança funcional IEC 61800-5-2 e ajudam a reduzir o cabeamento. O novo módulo de segurança é certificado de acordo com a ISO 13849-1 PL d Categoria 3 e SIL 2, de acordo com a IEC 61508.

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

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Acessórios

**130B7530** **KIT DE MONTAGEM MCO A2/A3**

MCF 105 assembly kit A2 / A3 for C option

**130B7145** **PLACA ELETRONICA P / CONVERSOR FREQUENCIA****130B9860** **MODULO MCB152 P / CONVERSOR DE FREQUENCIA**

Opcionais de segurança permitem que as máquinas interajam de maneira inteligente com operadores para aumentar a segurança, reduzir custos de sistema, melhorar a flexibilidade e aumentar a produtividade.

O VLT® Safety Option MCB 152 fornece uma solução inteligente e fácil de usar para estar em conformidade com a norma de segurança funcional IEC 61800-5-2 e ajuda a reduzir o cabeamento. O MCB 152 permite a ativação do Safe Torque Off (STO) independentemente de onde ocorre um risco.

O novo opcional de segurança é certificado de acordo com a ISO 13849-1 PL d Categoria 3 e SIL 2, de acordo com a EN IEC 61508.

A combinação do VLT® Safety Option MCB 152, opcional VLT® PROFINET MCA 120 fieldbus e o cartão de controle do VLT® AutomationDrive constitui um dispositivo PROFIsafe.

**130B1234** **VLT® Motion Control MCO 305, coated**

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

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

Contains:

- synchronization (electronic shaft), positioning and electronic cam control
- 2 inputs support both stepwise and absolute encoders
- 1 encoder output (virtual master function)
- 10 digital inputs
- 8 digital outputs
- Sends and receives data via fieldbus interface (requires fieldbus option)
- PC software for programming and commissioning

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

130B7530 - Mounting kit for enclosures A2 and A3

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

130B1413 - Mounting kit for enclosure B3

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

130B7532 - Mounting kit for enclosure A5

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

Danfoss MCO options are not sold without prior advice.

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

Contact Danfoss for advice and prices.

Product group: R

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Acessórios

**130B1227** **RESOLVER MCB 103**

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

Resolver types:

Input voltage: 4..8 Vrms

Input frequency: 2.5..15 kHz

Number of resolver poles: 2 or 4

**130B1264** **CARTÃO DE EXPANSÃO DE RELÊ - MCB113 CTD**

Adiciona 7 entradas digitais e 2 saídas analógicas para maior flexibilidade. 4 relés SPDT. Atende às recomendações NAMUR. Capacidade de isolamento galvânica.

**130B1252** **Placa de Sincronismo MCO 350 Envernizada**

MCO 350 - synchronous controller

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

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

**130B1172** **SENSOR PT 100/PT 1000 PARA FC 200/300**

Protege o motor contra superaquecimento, monitorando a temperatura dos rolamentos e enrolamentos do motor. Três entradas de sensor de detecção automática para sensores PT100/PT1000 de 2 ou 3 fios.

Uma entrada analógica adicional de 4-20 mA.

**130B1212** **KIT MCB101 I/O REVESTIDO**

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

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Acessórios

**130B1210** **CARTÃO DE RELÊS EXTRAS MCB105 COM VERNIZ**

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** **CARTÃO 24V MCB 107, COATED**

Conecte a alimentação CC externa para manter a seção de controle e qualquer opcional instalado ligados durante faltas de energia. Permite a operação completa do LCP (incluindo a programação do parâmetro) e todos os opcionais instalados sem ligação à rede elétrica.

**130B1272** **MCB 114 SENSOR INPUT COATED**

MCB 114 - PT100 / PT1000 option

For FC100-FC200 and FC302 (painted version)

Enables the evaluation of up to 3 PT 100 or 3 PT 1000 sensors

- Connection of 2 and 3 wire sensors
- Automatic detection of the sensor type
- Additional 4-20mA input

**130B1164** **MCB 113 Extended Relay Card**

Adiciona 7 entradas digitais e 2 saídas analógicas para maior flexibilidade. 4 relés SPDT. Atende às recomendações NAMUR. Capacidade de isolamento galvânica.

**130B0185** **SUPORTE ADAPTADOR VLT5000 - A2, A3**

Com a placa do adaptador, você pode substituir um VLT® 5/6/8000 por um drive FC sem precisar fazer novos furos para o drive FC. Isso facilita e agiliza a substituição de um VLT® 5/6/8000 e, como não haverá perfuração, não haverá limalhas que danifiquem os componentes elétricos.

O seguinte VLT® 5/6/8000 pode ser montado na placa do adaptador 130B0185:

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

IP20/NM1: 200-240Volt VLT6002-6005, 380/460Volt VLT6002-6011, 380-480Volt VLT8006-8011, 550-600Volt VLT 5001-5011, 525-690Volt VLT8002-8011

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

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Acessórios

**130B0184****ADAPTADOR DE PLACA, 395X130MM**

Com a placa do adaptador, você pode substituir um VLT® 5/6/8000 por um drive FC sem precisar fazer novos furos para o drive FC. Isso facilita e agiliza a substituição de um VLT® 5/6/8000 e, como não haverá perfuração, não haverá limalhas que danifiquem os componentes elétricos.

O seguinte VLT® 5/6/8000 pode ser montado na placa do adaptador 130B0184:

IP20 Livro: 200-240Volt VLT5004-5006/VLT6004-6005, 380/500Volt VLT5006-5011, 380-460Volt VLT6006-6011

**130B0183****SUPOORTE ADAPTADOR VLT5000 - A1, A2**

Com a placa do adaptador, você pode substituir um VLT® 5/6/8000 por um drive FC sem precisar fazer novos furos para o drive FC. Isso facilita e agiliza a substituição do VLT® 5/6/8000 e, como não haverá perfuração, não haverá limalhas que danifiquemos componentes elétricos.x000D_

O seguinte VLT® 5/6/8000 pode ser montado na placa do adaptador 130B0183:

IP20 Livro: 200-240Volt VLT5001-5003/VLT6002-6003, 380/500Volt VLT5001-5005, 380-460Volt VLT6002-6005

**130B1134****OPCIONAL MCO 305**

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

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

Contains:

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

10 digital inputs

8 digital outputs

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

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

130B7530 - Mounting kit for enclosures A2 and A3

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

130B1413 - Mounting kit for enclosure B3

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

130B7532 - Mounting kit for enclosure A5

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

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Product group: R

**130B1132****KIT IP21/NEMA 1 ENCLOSURE TOP COVER A2**

Esta é apenas a parte superior do kit. Se você precisar de um kit com parte superior e inferior, solicite 130B1122

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Acessórios

**130B1127** **MCB103 RESOLVER OPCIONAL FC-30X-B**

Permite a conexão de um resolver para fornecer feedback de velocidade do motor. Conexão acionada por mola

**130B1125** **OPCIONAL DE I/O ADICIONAIS - FC300**

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** **LCP NUMERICO - FC 302**

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.

**130B1122** **IP 21/Type 12 (NEMA1) Kit, A2 Frame**

Cover for housing size A2 MCF 101 NEMA1 / IP21

**130B1120** **INTERFACE DE SEGURANÇA - APENAS FC 302**

Connection converter for FC 300 with control input for a safe stop. Allows secure connection. Output modules with diagnostic pulse (Cross-circuit monitoring).

**130B1117** **KIT REMOTO FC300**

O kit inclui fixadores, cabo de 3 m e vedação - O LCP não está incluído.

**130B1115** **MCB 102 ENCODER**

Oferece a possibilidade de conectar vários tipos de encoders absolutos e incrementais. O encoder conectado pode ser utilizado para controle da velocidade de malha fechada e também para controle do motor de fluxo em malha fechada.

**130B1113** **KIT REMOTO C/DISP.GRAF.FC300**

O kit inclui LCP gráfico, fixadores, cabo de 3 m e vedação.

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Acessórios

**130B1112** **Adaptador Sub-D9 Connector Profibus FC**

SUB-D9 plug adapter for FC 100 and FC 300. Allows the use of SUB-D9 connectors at the Profibus DP interface.

**130B1110** **MCB 105 RELAY OPTION**

Relay extension for FC 100 and FC 300. Extension with 3 additional load relays (changeover contacts), easy to retrofit thanks to modular technology.

Max. Load 240V AC (resistive): 2 A

Max. Load 240V AC (Cos Phi 0.4): 0.2 A

Max. Load 24V DC (ohmic): 1 A

Max. Load 24V DC (inductive): 0.1 A

**130B1153** **CONTROLADOR DE POSICIONAMENTO MCO351**

Extends the functional characteristics of the frequency converter in positioning applications

- Direct positioning via fieldbus, relative positioning, absolute positioning and touch probe positioning

- End stop handling (software and hardware)

- Mechanical brake handling (programmable hold delay)

Error handling

- Jog speed / manual operation

- None for programming, as it is pre-programmed

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

130B7530 - Mounting kit for enclosures A2 and A3

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

130B1413 - Mounting kit for enclosure B3

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

130B7532 - Mounting kit for enclosure A5

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

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Product group: R

**130B1152** **PLACA ELETRONICA P/ CONVERSOR FREQUENCIA**

Expande as propriedades funcionais do VLT® AutomationDrive na sincronização de aplicações e substitui as soluções mecânicas tradicionais. Sincronização de velocidade. Sincronização da posição (ângulo) com ou sem a correção do marcador. Relação de engrenagem ajustável on-line. Deslocamento de posição (ângulo) ajustável on-line. Saída do encoder com função mestre virtual para sincronização de vários seguidores. Controle via E/S ou fieldbus. Função Início. Configuração e leitura de status e dados por meio do painel de controle local do drive.

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Acessórios

**130B1137** **MCB 112 ATEX Thermistor Cartão Revestido**

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

**130B1077** **Peças mecânicas para LCD-Blindcover IP66**

LCP Blindcover IP66

**130B1108** **MODULO 24VCC**

Conecte a alimentação CC externa para manter a seção de controle e qualquer opcional instalado ligados durante faltas de energia. Permite a operação completa do LCP (incluindo a programação do parâmetro) e todos os opcionais instalados sem ligação à rede elétrica.

**130B1107** **DISPLAY GRÁFICO P/ VLT FC**

VLT Control Panel LCP 102

Display de gráfico iluminado com texto simples.

Compatível com todos os idiomas e caracteres de texto.

Quick menu para rápida colocação em funcionamento.

Função salvar e copiar dos conjuntos de parâmetros.

Ajuda on-line para todas as funções.

**130B1088** **TAMPA CEGA COM LOGO PARA IP20/21****175U0087** **KIT MONTAGEM 2 RESISTORES FRAME A2**

Back frame A2 for 2 brake resistors

**175Z0929** **CABO PARA LCP , 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

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Acessórios

Image
coming
soon**175U0009** **SUPORTES FIXACAO P/ CONVERSOR FREQUENCIA**

Mounting angle for flatpack resistor 200W

**175N2584** **MCA 121 EtherNet/IP coated gateway**Image
coming
soon**134B5224** **REMOTO LCP CABO 5M**

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

**134B5223** **KIT DE MONTAGEM LCP102 W. CABO 3M**

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

**134B0460** **PAINEL CONTROLE P/ CONVERSOR FREQUENCIA**

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**130B6447** **MCB 141 OPCIONAL DE SEGURANCA EXTERNO**

Amplia o recurso Safe Torque Off dos drives VLT® com funções de segurança adicionais: Parada segura 1 (SS1), velocidade limitada com segurança (SLS), velocidade máxima segura (SMS) e monitor de velocidade segura (SSM).

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Acessórios

**130B1266** [🔗](#)**PLACA ELETRONICA P/ CONVERSOR FREQUENCIA**

VLT® MCB 115 programmable I / O, coated

**134B6544** [🔗](#)**PLACA ELETRONICA P/ CONVERSOR FREQUENCIA**

O opcional será compatível e funcionará apenas com os cartões de controle MKII e em drives de até 90 kW.

**130B0295** [🔗](#)**EMBALAGEM COM ACESSORIOS CONTENDO PLUGS****130B1022** [🔗](#)**ACESSORIOS PARA FRAMES A2, A3****134B8493** [🔗](#)**TRANSDUTOR PARA CONVERSOR FREQUENCIA**

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

**134B8496** [🔗](#)**CABO PARA CONVERSOR FREQUENCIA**

Peças de Reposição

**130B7530** [🔗](#)**KIT DE MONTAGEM MCO A2/A3**

MCF 105 assembly kit A2 / A3 for C option



x10

130B9001 [🔗](#)**CONECTOR P/ CONVERSOR DE FREQUENCIA****130B5601** [🔗](#)**MODULO CONVERSOR DEVICENET MC194**

VLT® DeviceNet converter MCA194 coated

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Peças de Reposição

**130B1200** **VLT® PROFIBUS DP V1 MCA 101 ENVERNIZADO**

Fornecer ampla compatibilidade, alto nível de disponibilidade, suporte a todos os principais fornecedores de PLC e compatibilidade com versões futuras. Comunicação rápida e eficiente, instalação transparente, diagnóstico e parametrização avançados e autoconfiguração eficiente de dados de processo com a utilização do arquivo GSD. Parametrização acíclica usando o PROFIBUS DP-V1, PROFIdrive ou as máquinas de estado de perfil do FC da Danfoss, PROFIBUS DP-V1, Classe Mestre 1 e 2.

**130B1012** **Terminal cover frame A1-A3 with option****130B1008** **Frame for LCP Control Pad with option****130B1022** **ACESSORIOS PARA FRAMES A2, A3****130B0295** **EMBALAGEM COM ACESSORIOS CONTENDO PLUGS****130B1069** **MULTIPLUGS DO RELE 1**

spare, 3 pole connector, relay 1, fc300

**130B1068** **MULTIPLUGS DO RELE 2**

spare, 3 pole connector, relay 2, fc300

**130B1067** **CONECTORES MULTIPLUGS PARA LINHA DE CONEX****130B1096** **VENTILADOR PARA A2 COATED****130B1088** **TAMPA CEGA COM LOGO PARA IP20/21**

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**134B1726** **CARTÃO DE CONTROLE C/ SAFE STOP FC-302**

Compatível com a versão de software 8.12 ou superior. Se seu drive tem um software específico do cliente ou uma versão de software de marca, solicite o cartão de controle com número de peça 130B1109

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