



ENCÓDER ANGULAR MODELO: H3BBC-D110
ANGULAR ENCODER MODEL: H3BBC-D110

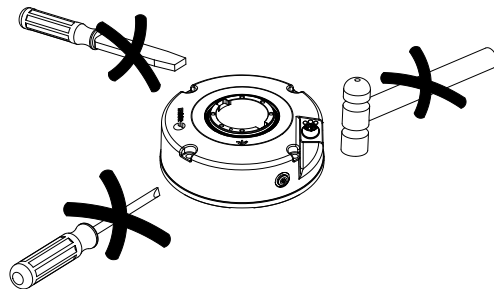
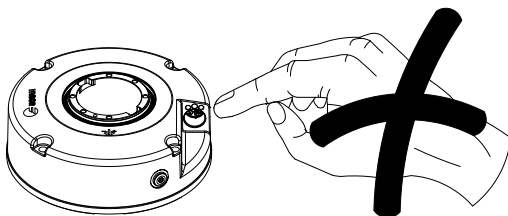
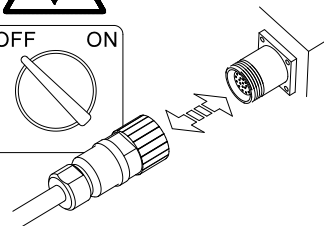
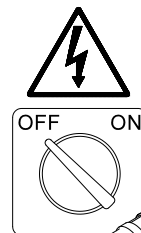
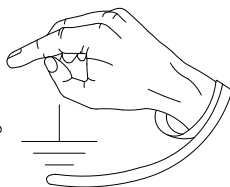
MANUAL DE INSTALACIÓN / *INSTALLATION MANUAL*

Manual Code: 14460387

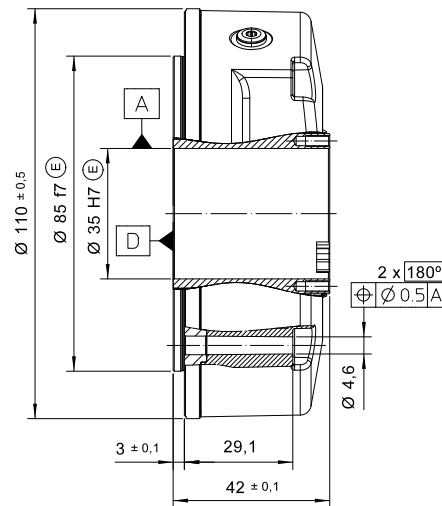
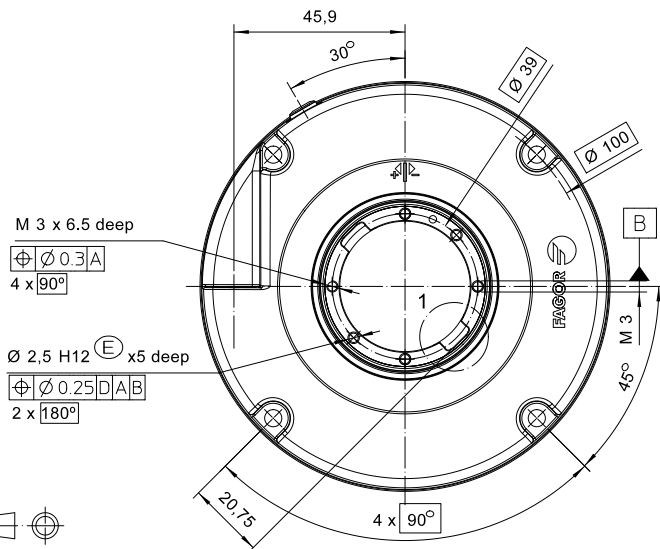
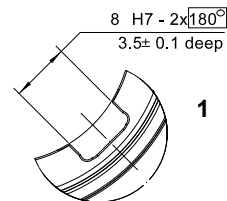
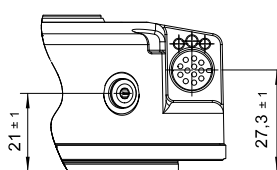
Manual Version: 2405



Precaución / Caution



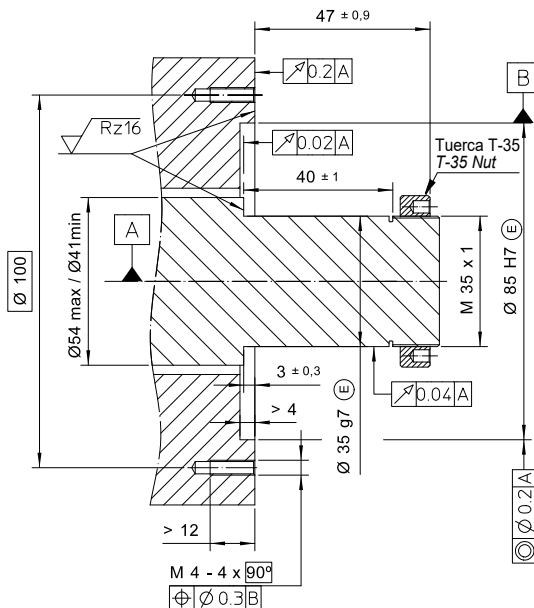
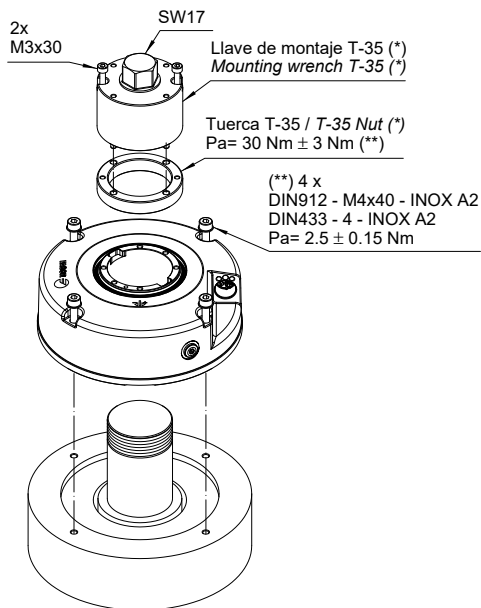
Dimensiones / Dimensions



mm
Tolerancing ISO 8015
ISO 2768 - m H

Posibilidades de montaje / Mounting possibilities

Sin exclusión de fallo mecánico / Without mechanical fault exclusion



[A] = Rodamiento / Roller bearing

Pa = Par de apriete / Tightening torque

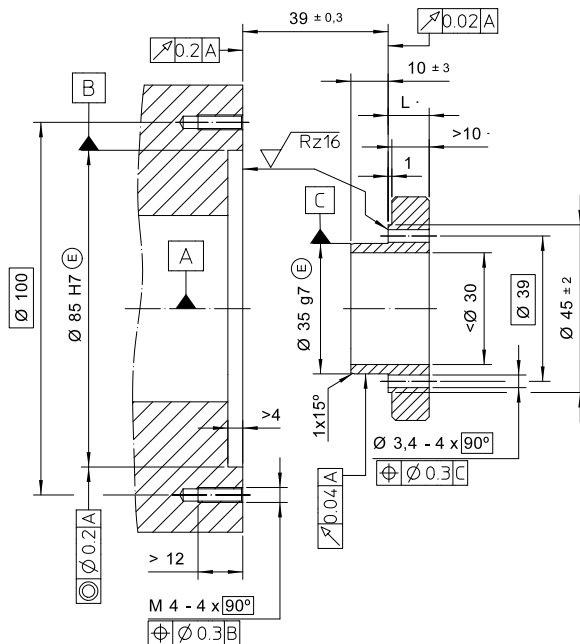
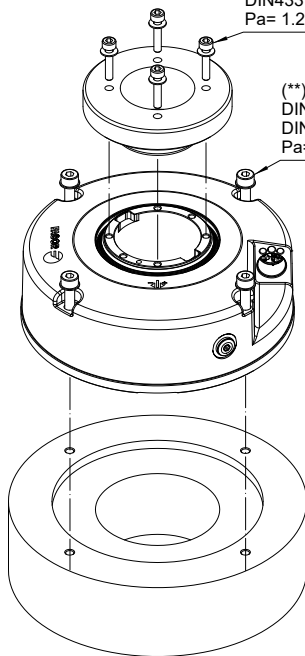
(*) Elementos no suministrados / Items not supplied

(**) Usar seguro anti-giro por adhesión / Apply bonding anti-rotation lock

Sin exclusión de fallo mecánico / Without mechanical fault exclusion

(*) (**) 4 x
DIN912 - M3x(L+4.5) - 8.8
DIN433 - 3 - 200HV
Pa= 1.25 ± 0.1 Nm

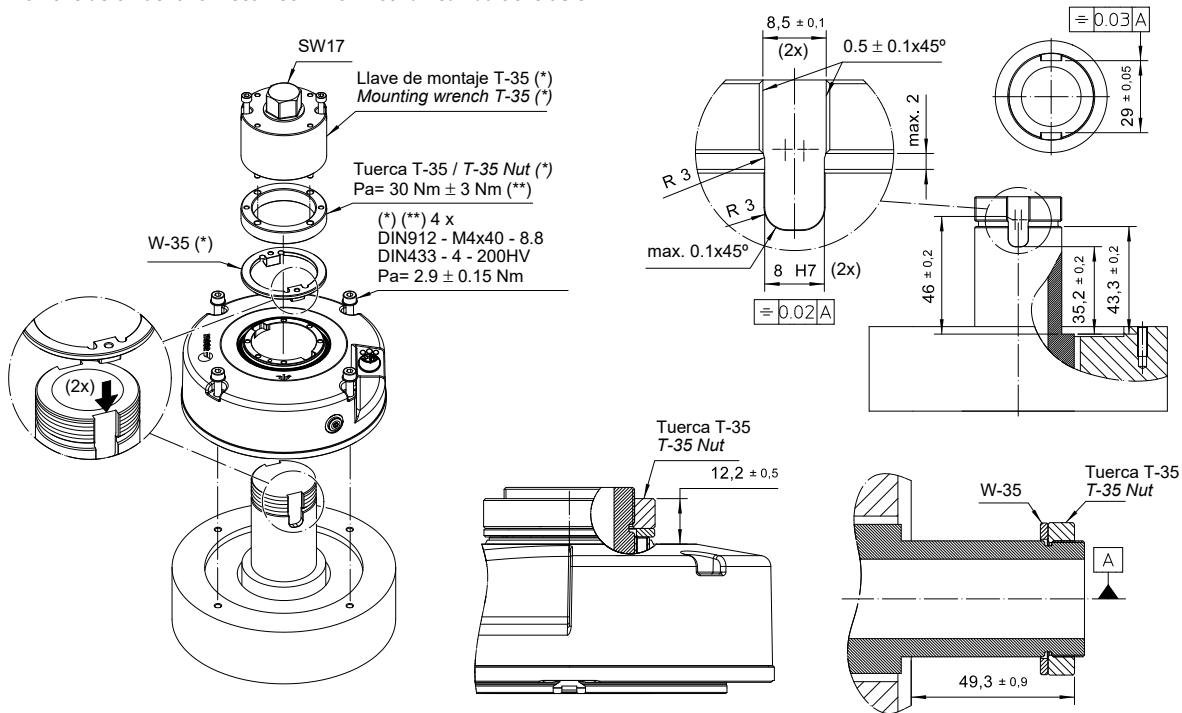
(**) 4 x
DIN912 - M4x40 - INOX A2
DIN433 - 4 - INOX A2
Pa= 2.5 ± 0.15 Nm



(*) Elementos no suministrados / Items not supplied

(**) Usar seguro anti-giro por adhesión / Apply bonding anti-rotation lock

Con exclusión de fallo mecánico / With mechanical fault exclusion

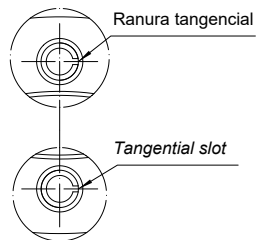
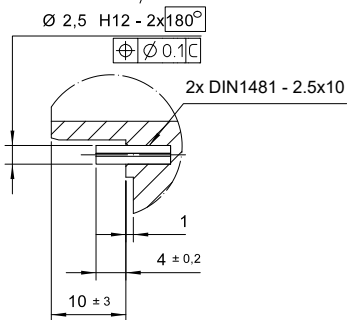
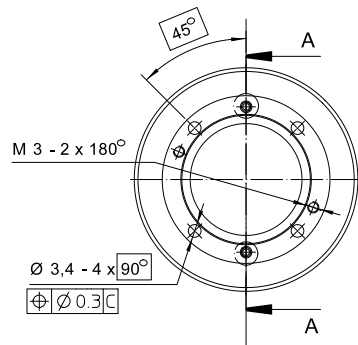
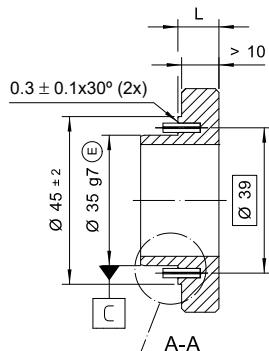
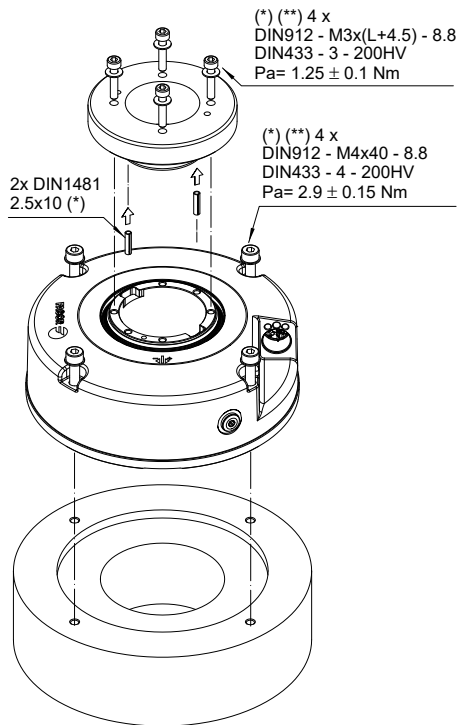


W-35: arandela de exclusión de fallo mecánico / mechanical fault exclusion washer

(*) Elementos no suministrados / Items not supplied

(**) Usar seguro anti-giro por adhesión / Apply bonding anti-rotation lock

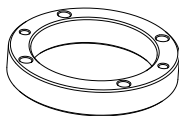
Con exclusión de fallo mecánico / With mechanical fault exclusion



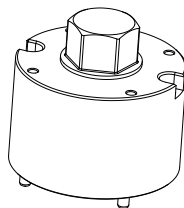
(*) Elementos no suministrados / Items not supplied

(**) Usar seguro anti-giro por adhesión / Apply bonding anti-rotation lock

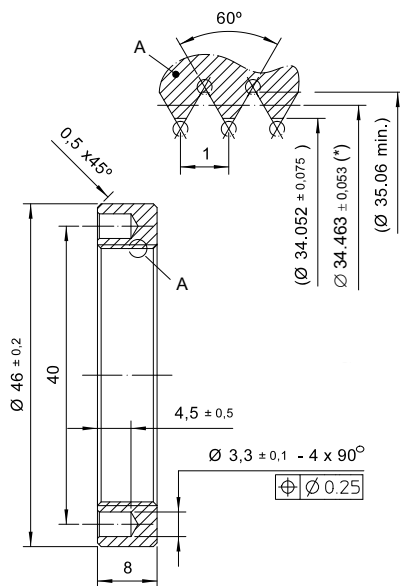
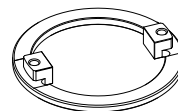
Tuerca T-35
T-35 Nut.
Cod: 82620153



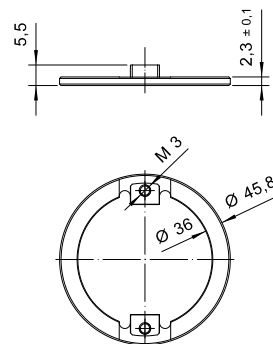
Llave de montaje T-35
T-35 mounting wrench.
Cod: 82620253



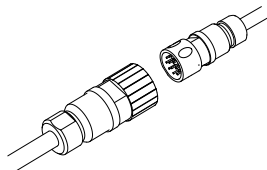
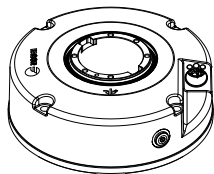
Arandela de exclusión de fallo mecánico W-35
W-35 mechanical fault exclusion washer
Cod: 82620158



(*) Diámetro medio / Pitch diameter

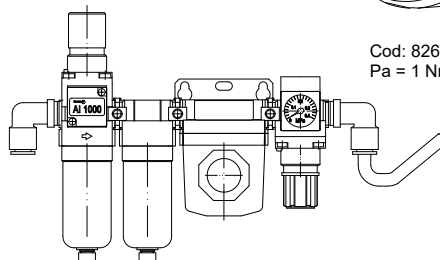


Máximo grado de protección IP 64
Maximum IP Code IP 64

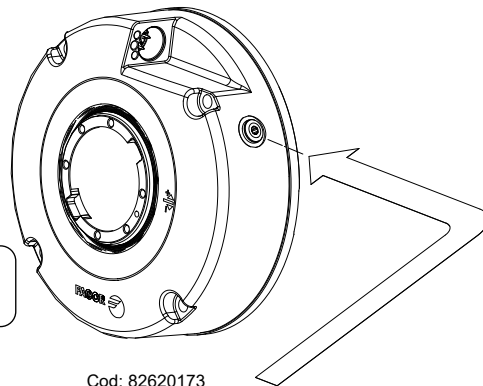


Para grado de protección > IP 64
For IP Code > IP 64

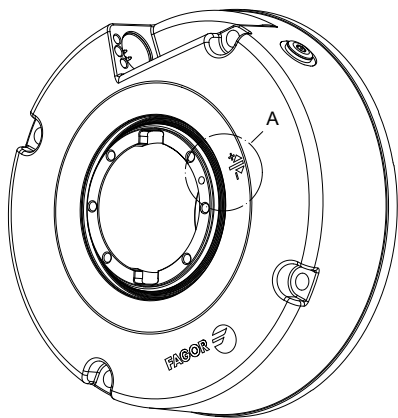
Unidades de Filtro de Aire Fagor
Fagor Air Filter Units
Cod.: 02200004



Cod: 82620173
Pa = 1 Nm

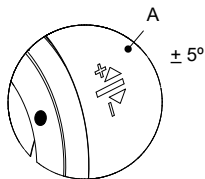


1 bar / 14.5 psi
5 l/min
Calidad aire: 1.4.1.
Air quality: 1.4.1.
ISO 8573-1
Punto de rocío / Dewpoint
(Class 4) - (7 bar) 3°C
Contenido residual de aceite
Residual oil content
(Class 1) - 0.01 mg/m3



Para instalar el encoder en la posición 0° girar el eje hasta alinear los puntos marcados en el eje y cuerpo.

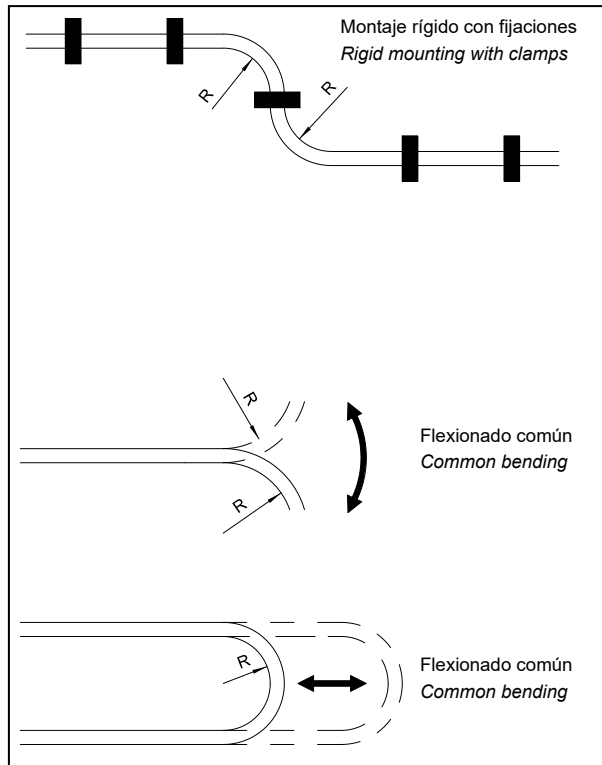
For installing the encoder on the 0° position turn the shaft and align the marks on the shaft and body.

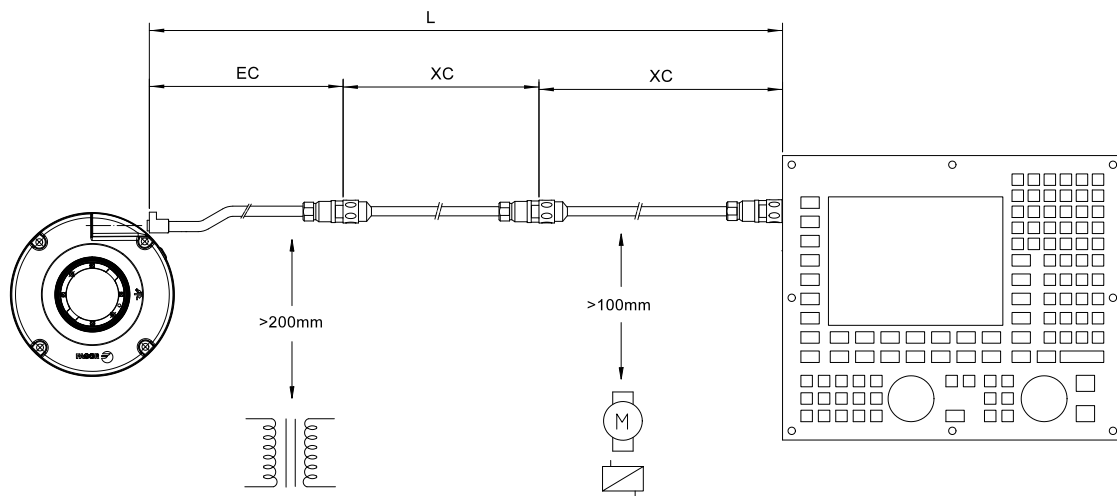


Sentido de conteaje
Counting direction

Características eléctricas / *Electrical characteristics*

	H3BBC-26-D110	
Alimentación <i>Power supply</i>	3,8 hasta 14 V DC; < 250 mA (a 5V sin carga) 3.8 to 14 V DC; < 250 mA (at 5V without load)	
Resolución / Número posiciones por vuelta <i>Resolution / Number of positions per turn</i>	26 bits (67 108 864)	
Longitud de cable <i>Cable length</i>	50 m / 164 ft	
Radio de curvatura / <i>Bending radius</i>		
	Rígido / <i>Rigid</i>	Flexible
Φ 6 mm	> 24 mm	> 60 mm
Φ 10 mm (con protección) / <i>(with protection)</i>	> 35 mm	> 60 mm
Φ 8 mm	> 50 mm	> 80 mm





Cables para conexión directa de encoders absolutos Fagor BiSS C puramente digital

Cables for direct connection of Fagor BiSS C pure digital absolute encoders

Sistemas Num con BiSS C puramente digital

Num systems with BiSS C purely digital

Conexión directa Cable EC

Direct connection EC cable

EC-CA-NM-F Longitud / *length* = 1, 3, 6, 9 m

Conexión con alargadera
Connection with extension cable

(4 x 2 x 0.14 mm² + 4 x 0.5 mm²)

Cable EC

Alargadera intermedia opcional XCint
Intermediate extension cable optional XCint

Alargadera XC / *Extension cable XC*

EC-CA-C9-F Longitud / *length* = 1, 3 m

XC-C8-F-C9 Longitud / *length* = 5, 10, 15, 20, 25 m

XC-C8-NM Longitud / *length* = 5, 10, 15, 20, 25 m

Otros sistemas con BiSS C puramente digital (sin conector terminal)

Other systems with BiSS C purely digital (without terminal connector)

Conexión directa Cable EC

Direct connection EC cable

EC-CA-O-F Longitud / *length* = 1, 3, 6, 9 m

Conexión con alargadera
Connection with extension cable

(4 x 2 x 0.14 mm² + 4 x 0.5 mm²)

Cable EC

Alargadera intermedia opcional XCint
Intermediate extension cable optional XCint

Alargadera XC / *Extension cable XC*

EC-CA-C9-F Longitud / *length* = 1, 3 m

XC-C8-F-C9 Longitud / *length* = 5, 10, 15, 20, 25 m

XC-C8-O Longitud / *length* = 5, 10, 15, 20, 25 m

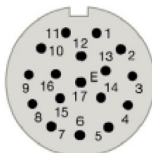
EC -...CA - C9 - F	Conector M23 17 macho / 17-pin male M23 connector									
PIN	14	17	8	9	7	1	10	4	11	Carcasa Housing
SEÑAL SIGNAL	DATA	/DATA	CLOCK	/CLOCK	+5V	+5V sensor	0V	0V sensor	Tierra Ground	Tierra Ground
COLOR	Verde Green	Amarillo Yellow	Azul Blue	Rojo Red	Marrón Brown	Gris Grey	Blanco White	Rosa Pink	Malla interna Internal shield	Malla externa External shield

EC -...CA - O - F	Sin conector / without connector						
SEÑAL SIGNAL	DATA	/DATA	CLOCK	/CLOCK	+5V	0V	Tierra Ground
COLOR	Verde Green	Amarillo Yellow	Azul Blue	Rojo Red	Marrón + gris Brown + grey	Blanco + rosa White +pink	Mallas Shields

XC - C8 - ... - O	Sin conector / without connector						
SEÑAL SIGNAL	DATA	/DATA	CLOCK	/CLOCK	+5V	0V	Tierra Ground
COLOR	Gris Grey	Rosa Pink	Violeta Purple	Amarillo Yellow	Marrón-verde + azul Brown-green + blue	Blanco-verde + blanco White-green +white	Malla Shield



EC-...CA - C9 - F



Condiciones de garantía / *Warranty terms*

Las condiciones de garantía de este producto están disponibles en la zona de descargas del sitio web corporativo de FAGOR.
<http://www.fagorautomation.com>. (Tipo de fichero: Condiciones generales de venta-Garantía).
The warranty conditions for this product are available in the downloads section of FAGOR's corporate website at
<http://www.fagorautomation.com>. (Type of file: General Terms and Conditions of Purchase - Warranty).

Declaración de conformidad / *Declaration of conformity*

La declaración de conformidad de este producto está disponible en la zona de descargas del sitio web corporativo de FAGOR.
<http://www.fagorautomation.com>. (Tipo de fichero: Declaración de conformidad).
The declaration of conformity for this product is available in the downloads section of FAGOR'S corporate website at
<http://www.fagorautomation.com>. (Type of file: Declaration of conformity).

Registro de garantía / *Warranty register*

Para registrar su producto y obtener todas las ventajas del completo servicio postventa de Fagor Automation rellene el formulario disponible en el siguiente enlace: <https://www.fagorautomation.com/servicio/cartera-de-servicios/registro-de-producto/>
To register your product and obtain all the advantages of Fagor Automation's full after-sales service fill out form available at the following link:
<https://www.fagorautomation.com/en/customer-service/service-portfolio/product-registration/>

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