



FAGOR AUTOMATION

ENCODER ANGULAR MODELO: H2A-D200

ANGULAR ENCODER MODEL: H2A-D200

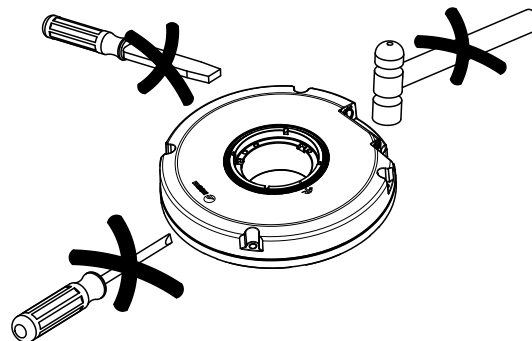
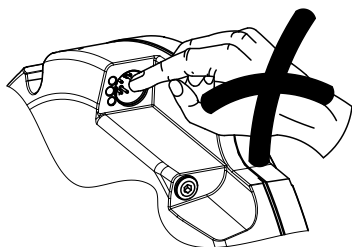
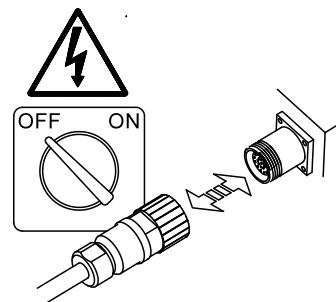
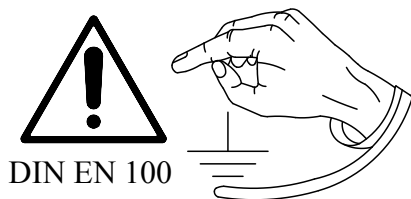
MANUAL DE INSTALACION / *INSTALLATION MANUAL*

Manual Code: 14460260

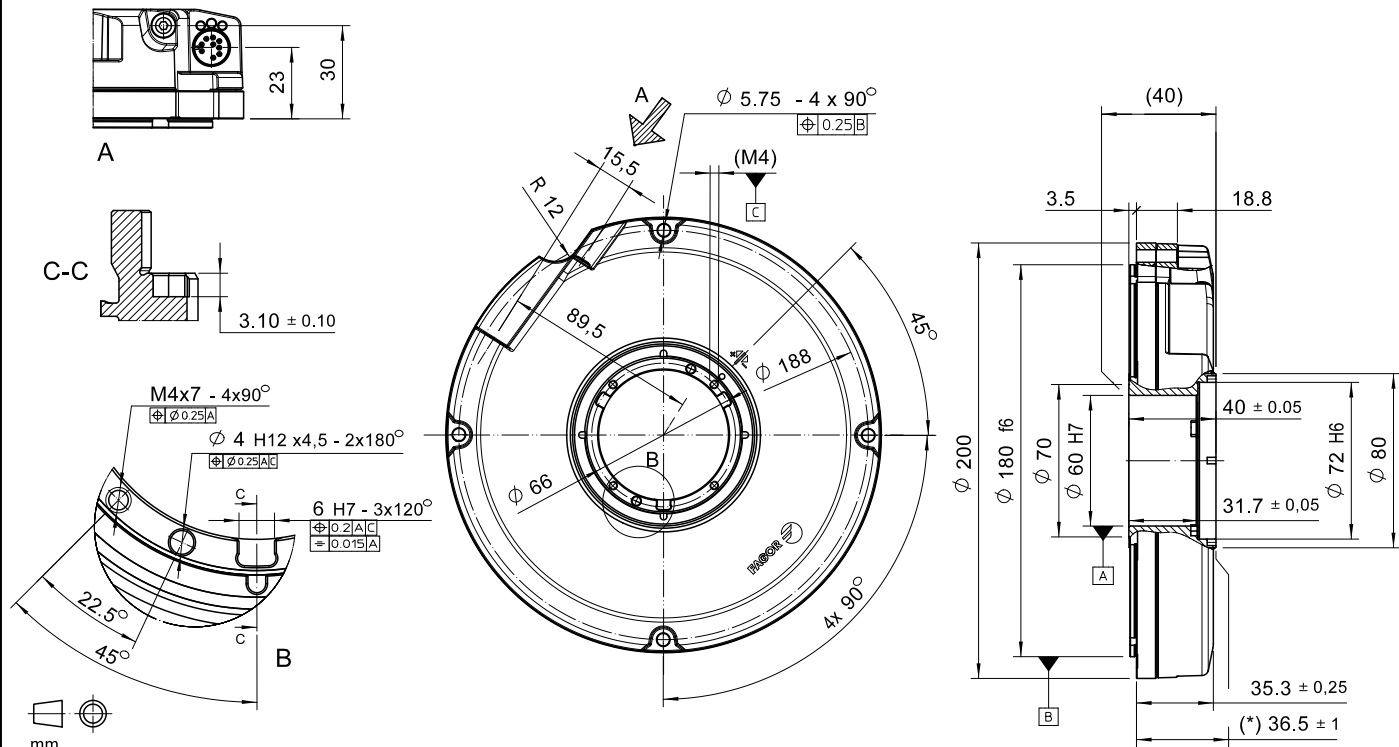
Manual Version: 1910



Precaución / Caution

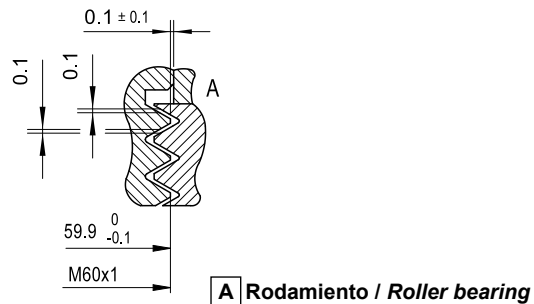
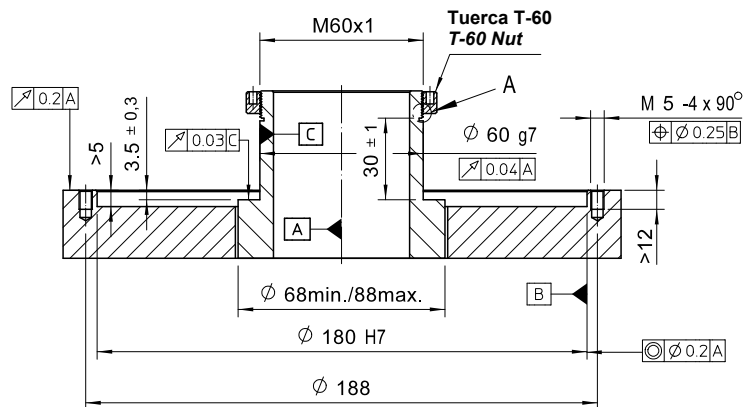
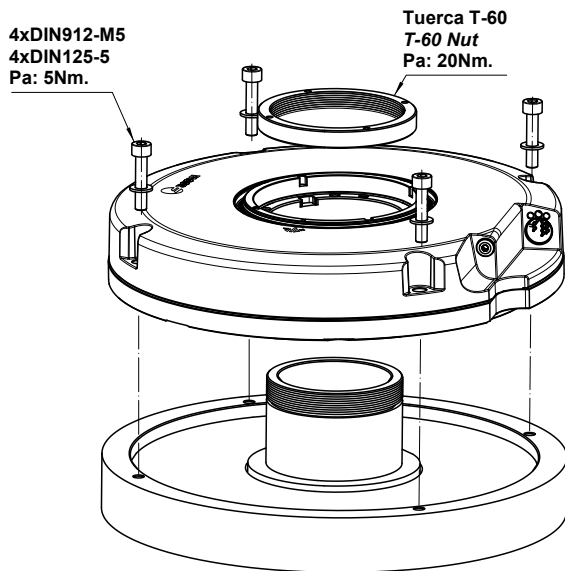


Dimensiones / Dimensions



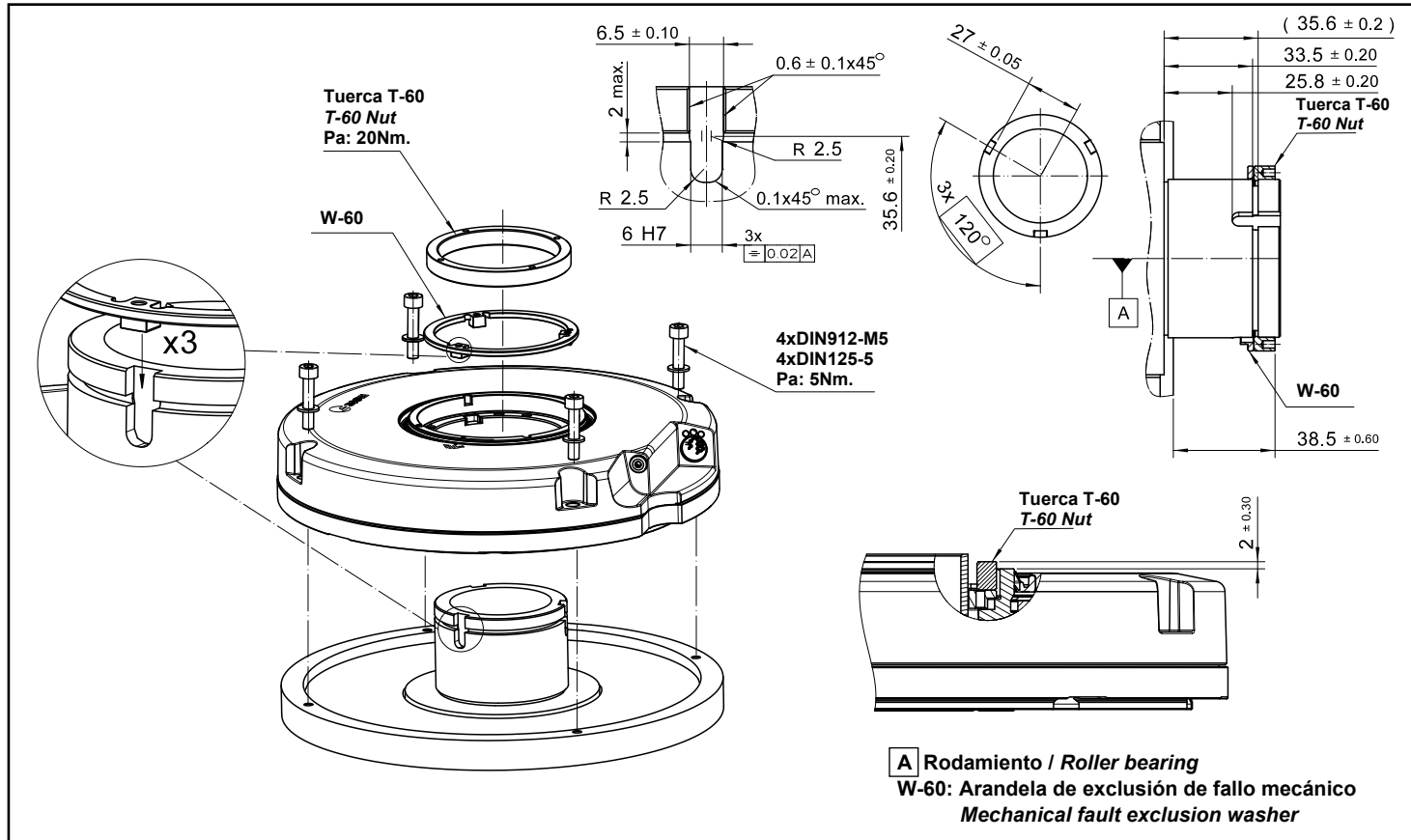
(*) Eje flotante / Floating shaft

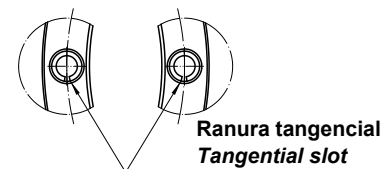
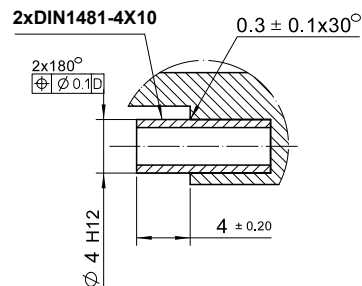
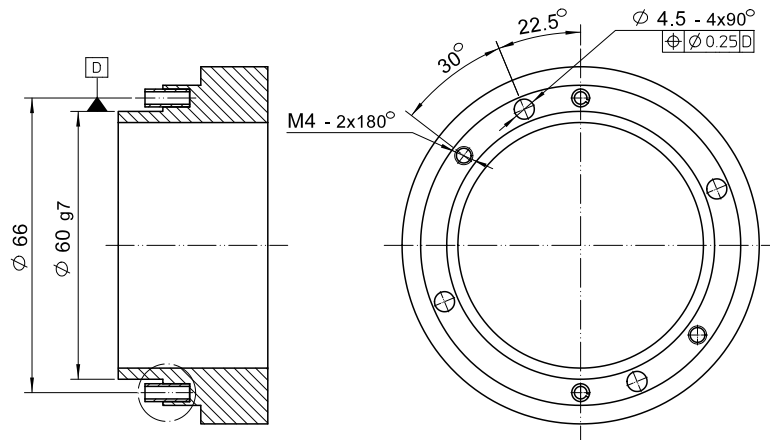
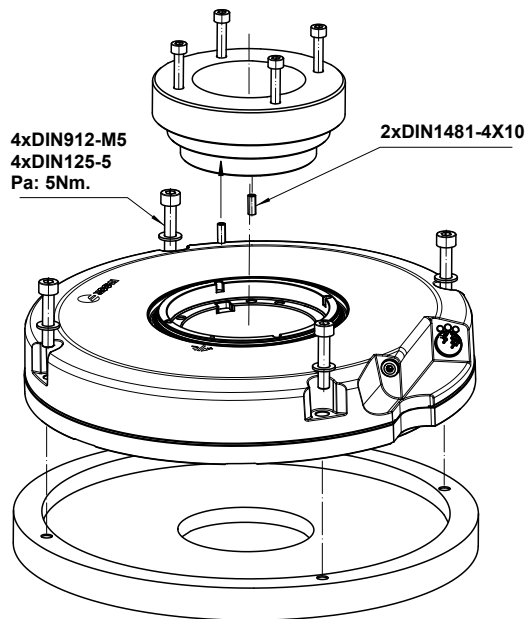
Posibilidades de montaje / *Mounting possibilities*



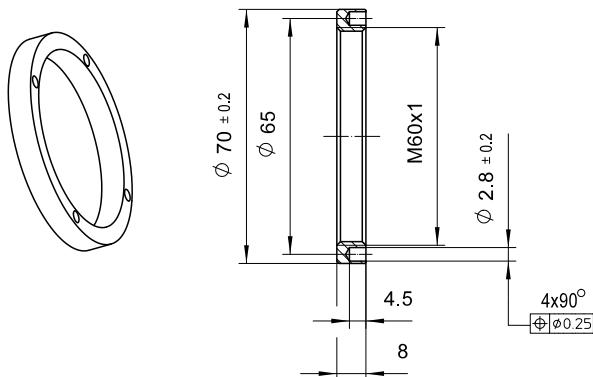
Pa = par de apriete / *tightening torque*

Opción exclusión de fallo mecánico / Option mechanical fault exclusion

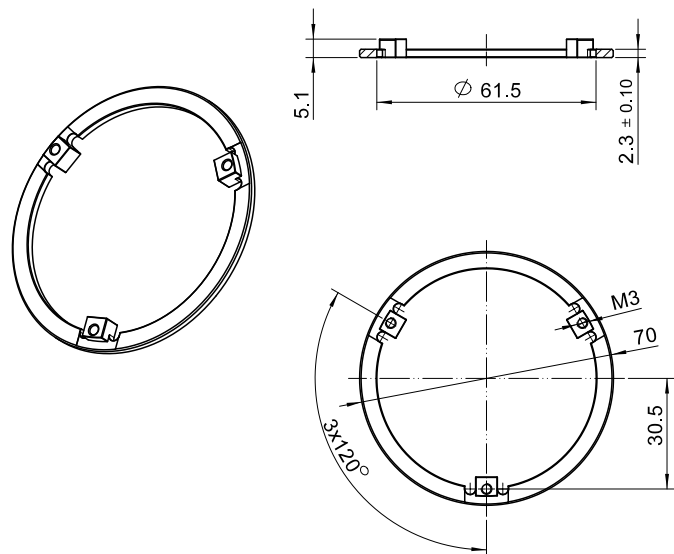




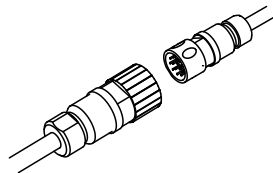
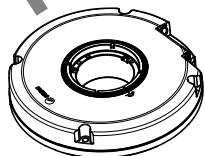
Tuerca T-60 / T-60 Nut
(Cod: 82620151)



Arandela de exclusión de fallo mecánico W-60
W-60 Mechanical fault exclusion washer
(Cod: 82620156)

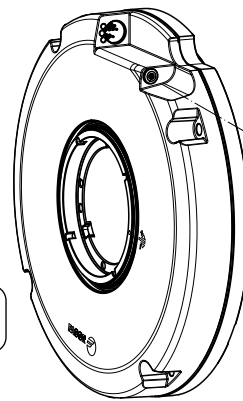
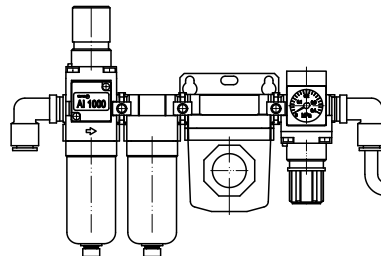


Máximo grado de protección IP 64
Maximum IP Code IP 64



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

Unidades de Filtro de Aire Fagor
Fagor Air Filter Units



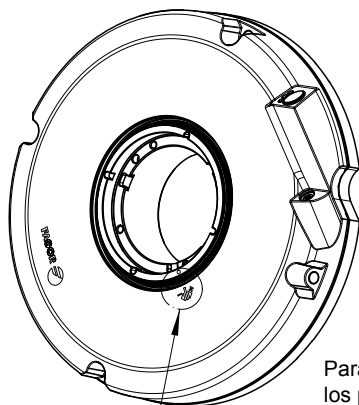
Pa = 1 Nm
SW 8

Cod.: 82620173

Para > IP 64
For > IP 64

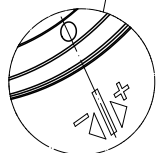
1 bar / 14.5 psi / 0.1 MPa
1-4 l/min
Calidad aire: clase 1.4.1.
Air quality: class 1.4.1.
ISO 8573-1

(SW) Tamaño de la llave hexagonal / Size of Allen wrench



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.



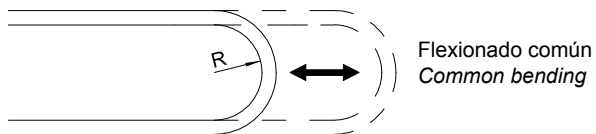
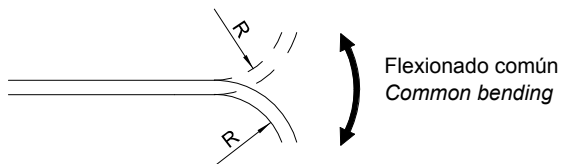
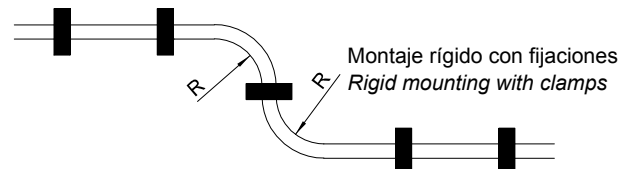
$\pm 5^\circ$

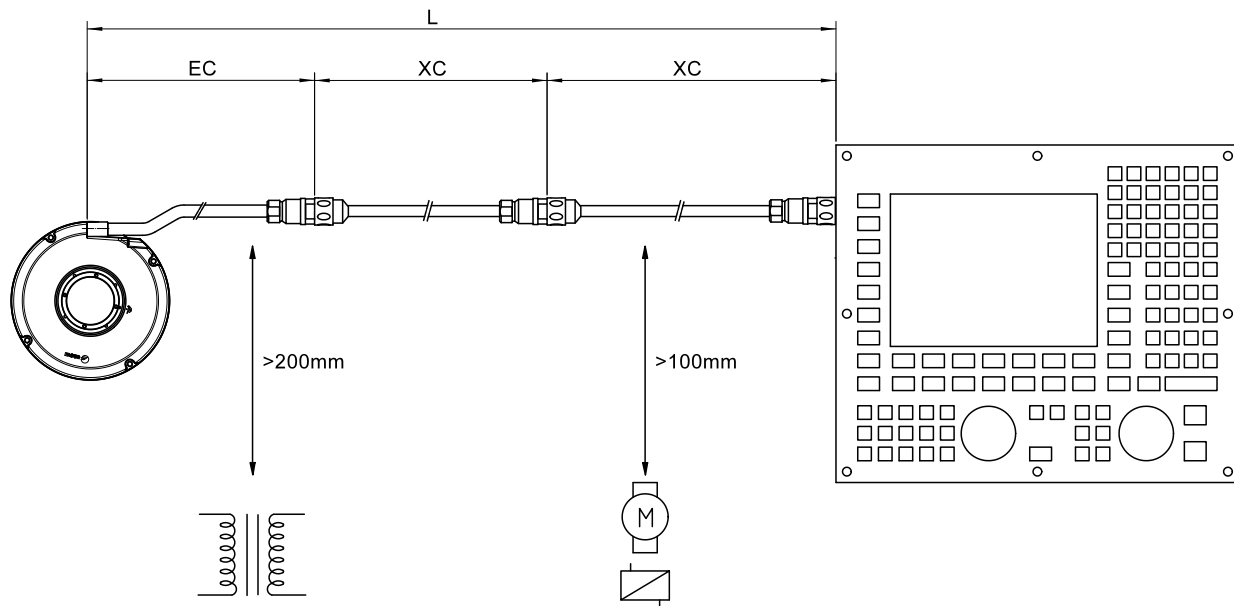
Sentido de contaje
Counting direction

Características eléctricas / *Electrical characteristics*

	H2A-27-D200	H2A-29-D200
Alimentación / <i>Power supply</i>	5 V (3.6...5,25), 250 mA	
Resolución / Número posiciones por vuelta	27 bits (134 217 728)	29 bits (536 870 912)
<i>Resolution / Number of positions per turn</i>	1 Vpp: 32 768	1 Vpp: 32 768
Longitud del cable / <i>Cable length</i>	75 m / 246 ft (*)	
Número de bits / <i>Number of bits</i>	27	29
Tipo de datos / <i>Data type</i>	Binario / <i>Binary</i>	
Paridad / <i>Parity</i>	NO	
Timeout	450 µs	
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	> 64 mm

(*) Para otras longitudes consultar con Fagor Automation.
Contact Fagor Automation for other lengths.





Cables para conexión de encoders absolutos Fagor a sistemas Fagor

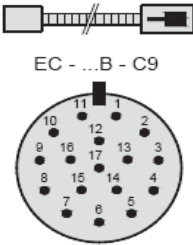
Cables for connection of Fagor absolute encoders to Fagor systems

Conexión directa Cable EC
Direct connection EC cable

EC-B-D Longitud / length = 1, 3, 6, 9 m

Conexión con alargadera Connection with extension cable	$(4 \times 2 \times 0.14 \text{ mm}^2 + 4 \times 0.5 \text{ mm}^2 + (4 \times 0.14 \text{ mm}^2))$		
Cable EC	Alargadera intermedia opcional XCint Intermediate extension cable optional XCint	Alargadera XC / Extension cable XC	
EC-B-C9 Longitud / length = 1, 3 m	XC-C8-F-C9 Longitud / length = 5, 10, 15, 20, 25 m	XC-C8-F-D Longitud / length = 5, 10, 15, 20, 25 m	

EC -...B - C9	Conector circular 17 macho / 17-pin male round connector													
PIN	15	16	12	13	14	17	8	9	7	1	10	4	11	Carcasa Housing
SEÑAL SIGNAL	A	/A	B	/B	DATA	/DATA	CLOCK	/CLOCK	+5V	+5V sensor	0V	0V sensor	Tierra Ground	Tierra Ground
COLOR	Verde Green	Amarillo Yellow	Azul Blue	Rojo Red	Gris Grey	Rosa Pink	Negro Black	Violeta Purple	Marrón Brown	Verde claro Light green	Blanco White	Naranja Orange	Malla Interna Internal Shield	Malla Externa External Shield



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).

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FAGOR AUTOMATION