AF2

AVENTICS™ AVENTICS série AF2 Sensores

EMERSON™

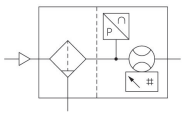
Série AF2

AVENTICS série AF2 são sensores de vazão que monitoram o consumo do ar em sistemas pneumáticos, permitindo rápida intervenção em caso de vazamentos. A série AF2 ajuda a otimizar o consumo de energia, evitar tempo de inatividade das máquinas e reduzir os custos.

- Sensor de vazão compatível com IIoT
- Adequado para aplicações padrão
- Fácil de montar e operar
- Tamanho pequeno para uso ideal do espaço de instalação
- Visor OLED colorido e giratório
- Mede vazão, pressão e temperatura
- Fácil integração em unidades de manutenção ou como versão autônoma
- Registrador de dados integrado
- Opções de comunicação: I/O-link e Ethernet

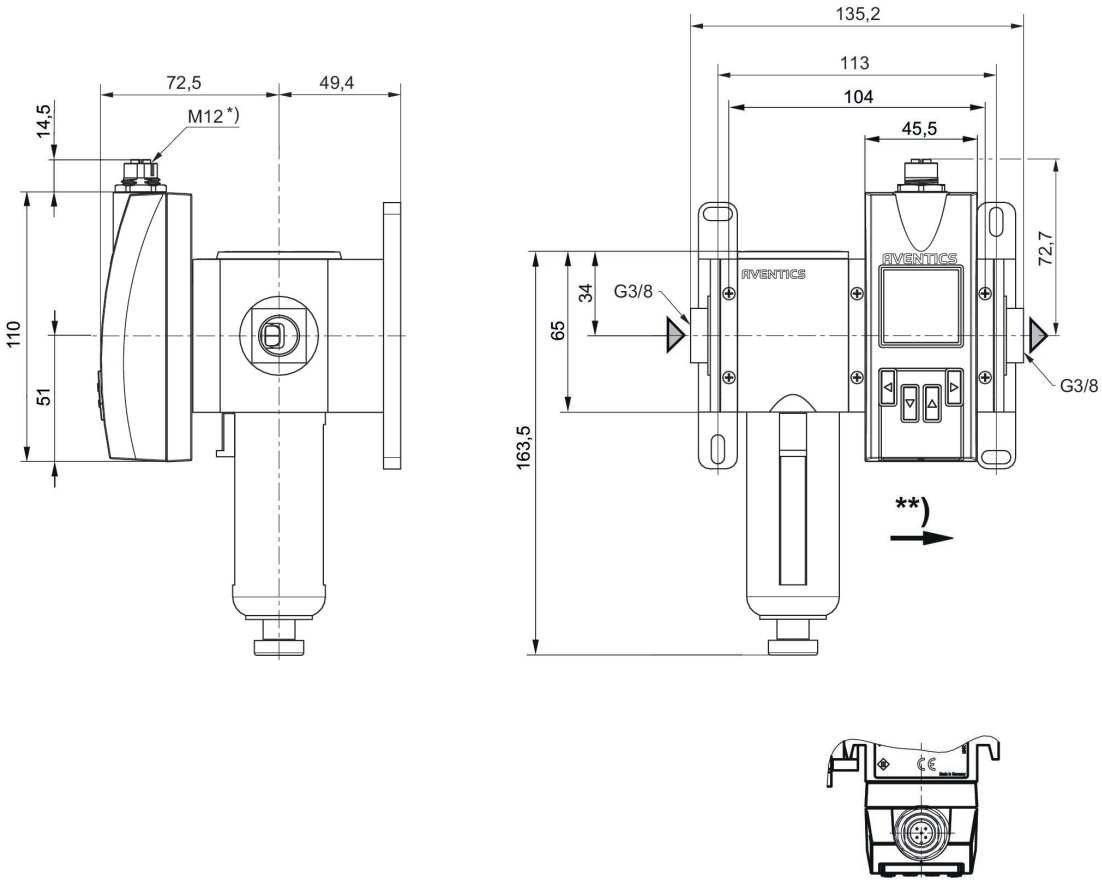
Série AF2 Sensor de fluxo, Ethernet

Conector
M12x1
AS2
Declaração de conformidade CE
RoHS
UL (Underwriters Laboratories)
De 8 pinos



tamanho	Relatório	Sinal de saída	Tensão de operação	Conexão	Fluxo [l/min]	N° de material
AS2	Ethernet, TCP/IP, OPC UA, MQTT	OPC UA, MQTT, Servidor web integrado	24 V CC	G 3/8	1060	R412026837

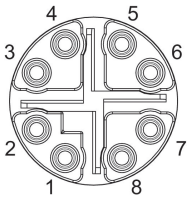
Dimensões em mm



* Rosca interna
** direção do fluxo

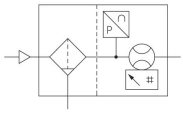
R412026837

Ocupação dos pinos



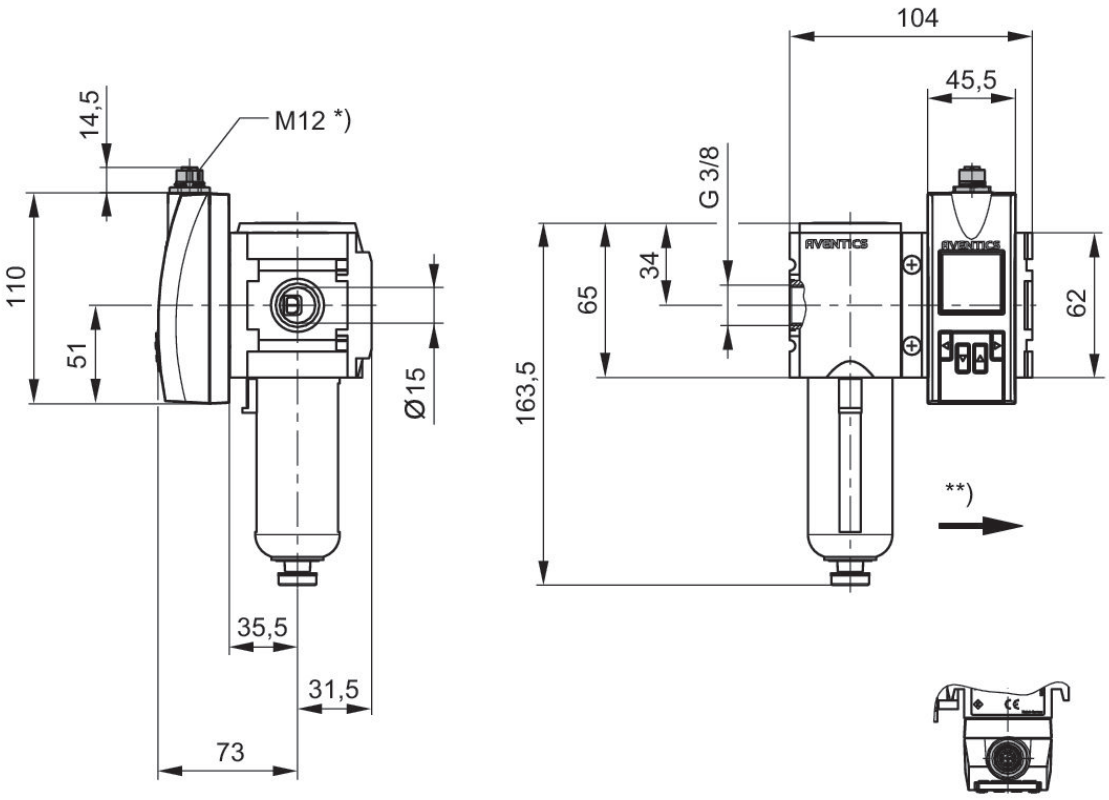
Série AF2 Sensor de fluxo, Ethernet

Conector
M12x1
AS2
Declaração de conformidade CE
RoHS
UL (Underwriters Laboratories)
De 8 pinos



tamanho	Relatório	Sinal de saída	Tensão de operação	Conexão	Fluxo [l/min]	N° de material
AS2	Ethernet, TCP/IP, OPC UA, MQTT	OPC UA, MQTT, Servidor web integrado	24 V CC	G 3/8	1060	R412027179

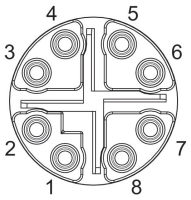
Dimensões em mm



* Rosca interna
** direção do fluxo

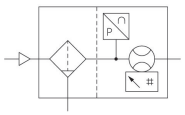
R412027179

Ocupação dos pinos



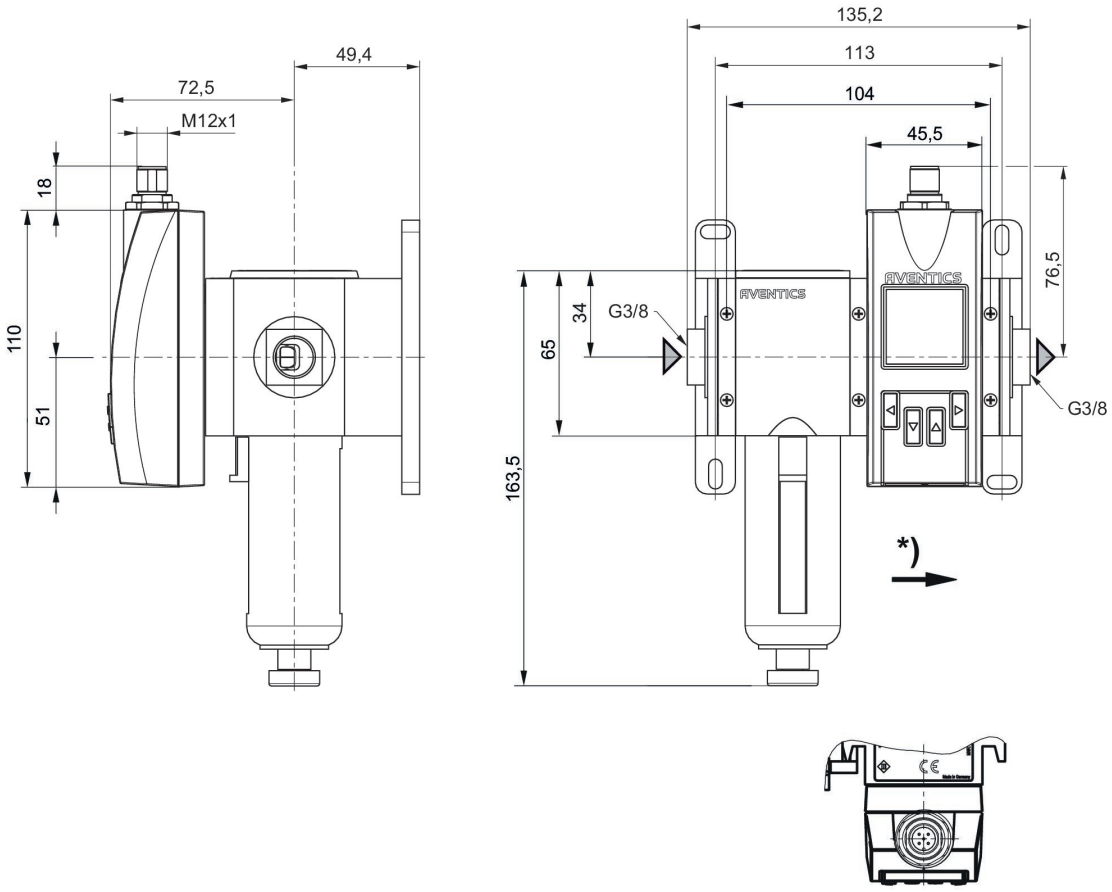
Série AF2 Sensor de fluxo, IO-Link

Conector
M12x1
AS2
Declaração de conformidade CE
RoHS
UL (Underwriters Laboratories)
de 5 pinos



tamanho	Relatório	Sinal de saída	Tensão de operação	Conexão	Fluxo [l/min]	N° de material
AS2	IO-Link, analógico	PNP, NPN, Push-pull, 1 x IO-Link	17-30 V DC	G 3/8	1060	R412026834

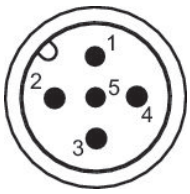
Dimensões em mm



* direção do fluxo

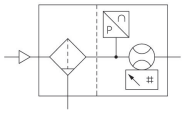
R412026834

Ocupação dos pinos



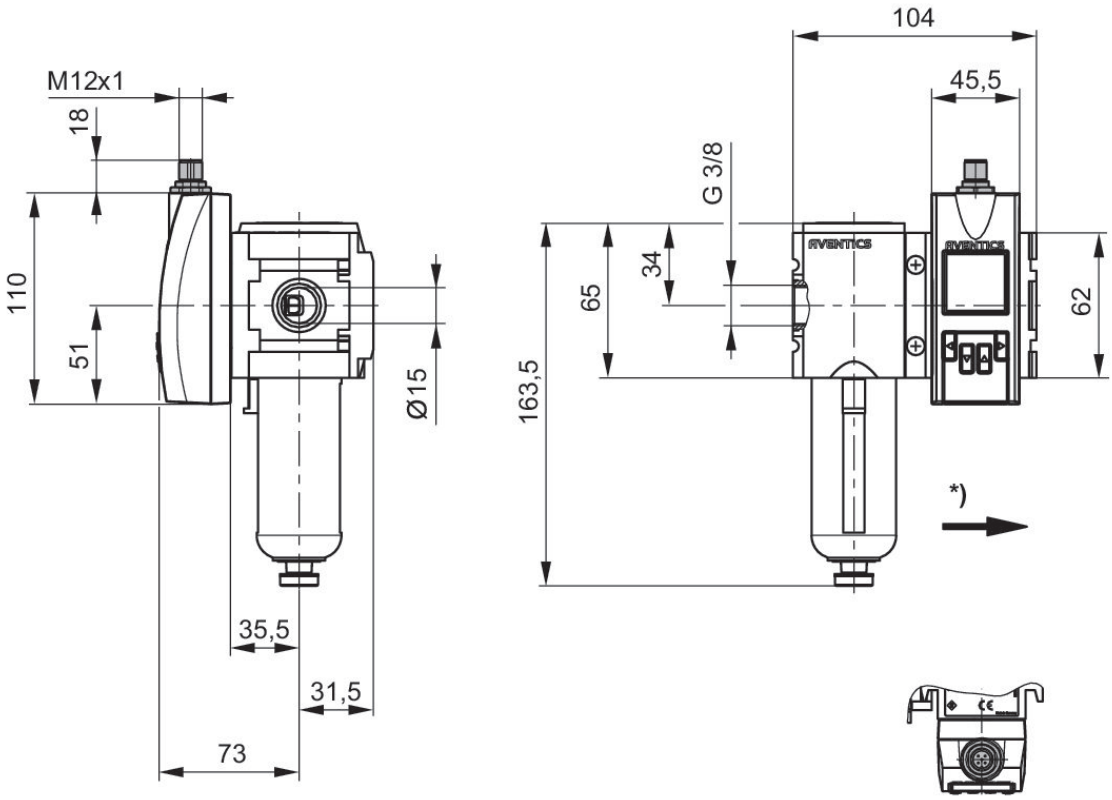
Série AF2 Sensor de fluxo, IO-Link

Conector
M12x1
AS2
Declaração de conformidade CE
RoHS
UL (Underwriters Laboratories)
de 5 pinos



tamanho	Relatório	Sinal de saída	Tensão de operação	Conexão	Fluxo [l/min]	N° de material
AS2	IO-Link, analógico	PNP, NPN, Push-pull, 1 x IO-Link	17-30 V DC	G 3/8	1060	R412027176

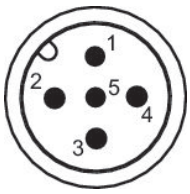
Dimensões em mm



* direção do fluxo

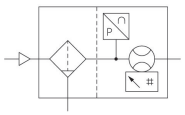
R412027176

Ocupação dos pinos



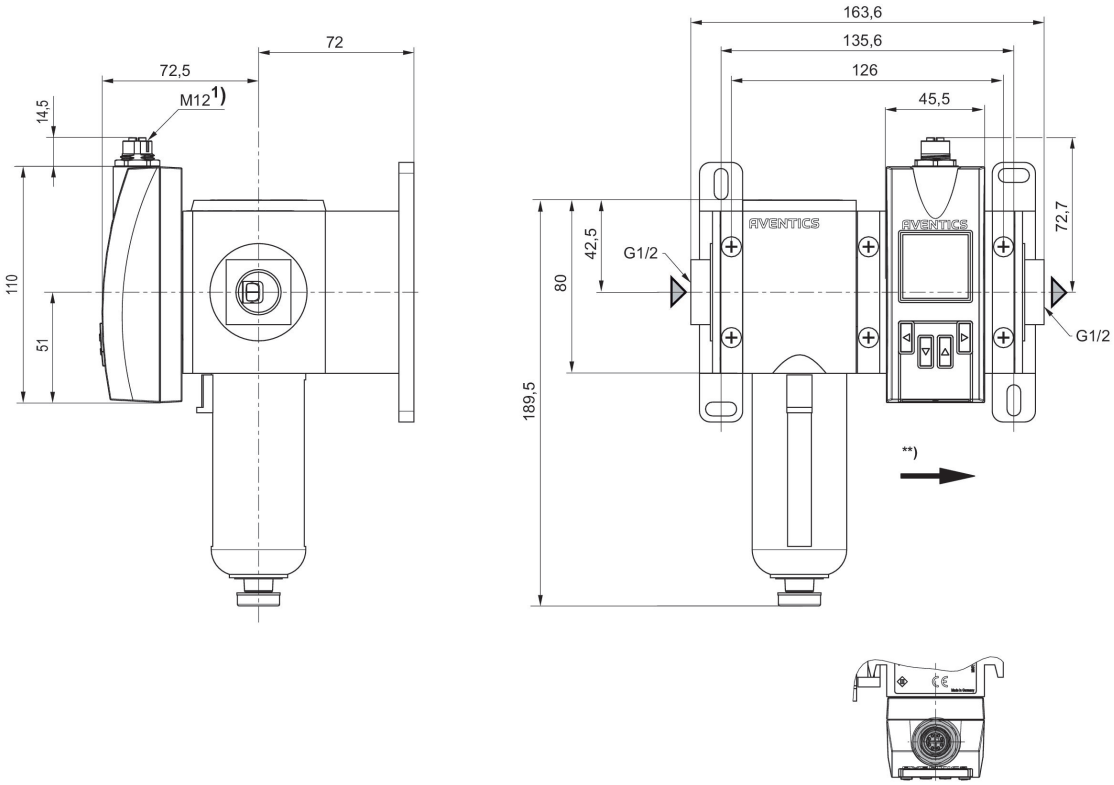
Série AF2 Sensor de fluxo, Ethernet

Conector
M12x1
AS3
Declaração de conformidade CE
RoHS
UL (Underwriters Laboratories)
De 8 pinos



tamanho	Relatório	Sinal de saída	Tensão de operação	Conexão	Fluxo [l/min]	N° de material
AS3	Ethernet, TCP/IP, OPC UA, MQTT	OPC UA, MQTT, Servidor web integrado	24 V CC	G 1/2	1630	R412026838

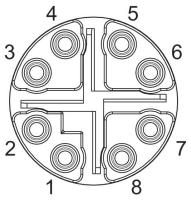
Dimensões em mm



* Rosca interna
** direção do fluxo

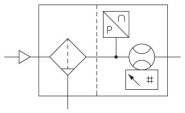
R412026838

Ocupação dos pinos



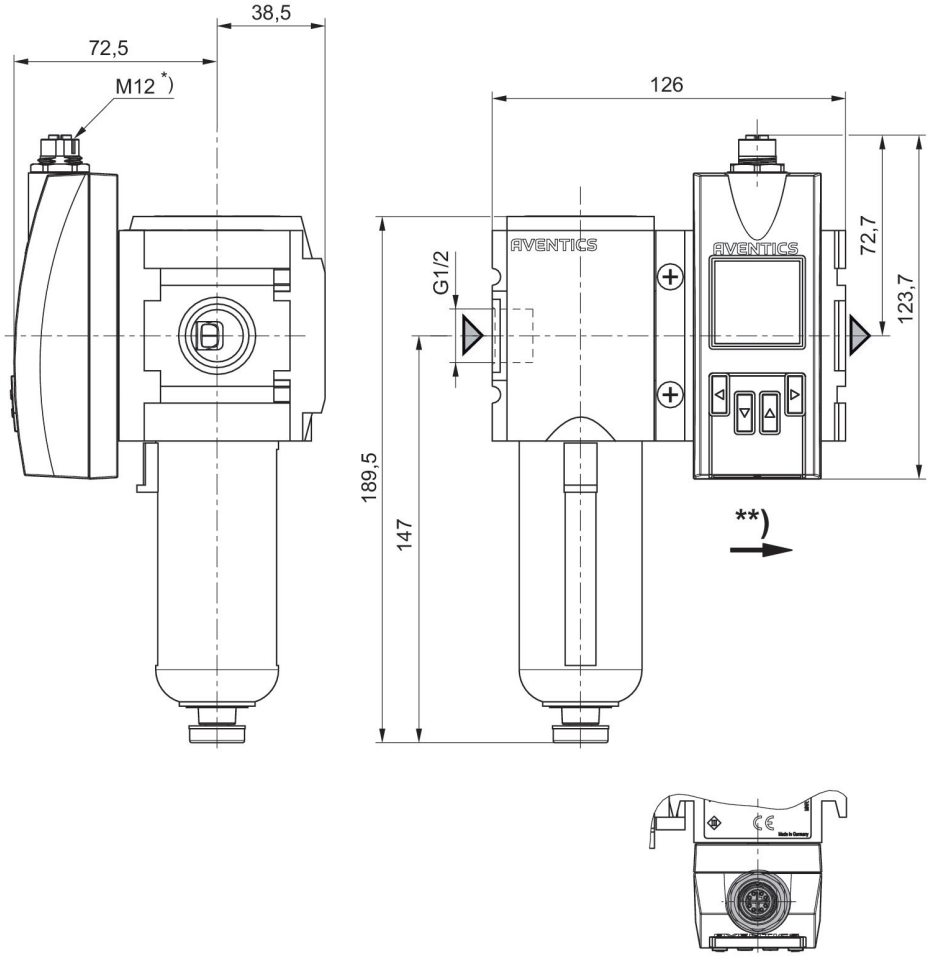
Série AF2 Sensor de fluxo, Ethernet

Conector
M12x1
AS3
Declaração de conformidade CE
RoHS
UL (Underwriters Laboratories)
De 8 pinos



tamanho	Relatório	Sinal de saída	Tensão de operação	Conexão	Fluxo [l/min]	N° de material
AS3	Ethernet, TCP/IP, OPC UA, MQTT	OPC UA, MQTT, Servidor web integrado	24 V CC	G 1/2	1630	R412027180

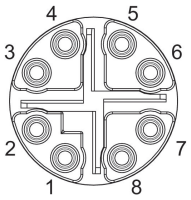
Dimensões em mm



* Rosca interna
** direção do fluxo

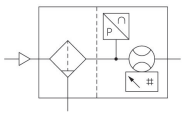
R412027180

Ocupação dos pinos



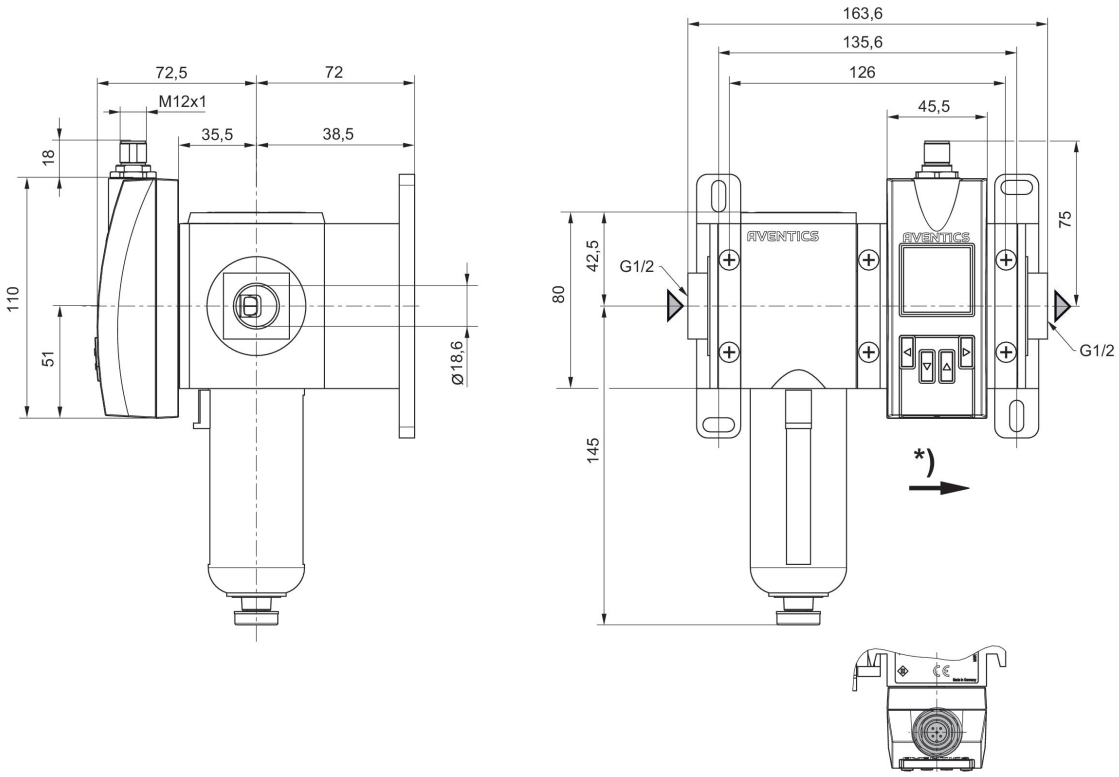
Série AF2 Sensor de fluxo, IO-Link

Conector
M12x1
AS3
Declaração de conformidade CE
RoHS
UL (Underwriters Laboratories)
de 5 pinos



tamanho	Relatório	Sinal de saída	Tensão de operação	Conexão	Fluxo [l/min]	N° de material
AS3	IO-Link, analógico	PNP, NPN, Push-pull, 1 x IO-Link	17-30 V DC	G 1/2	1630	R412026835

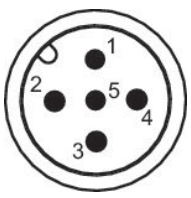
Dimensões em mm



* direção do fluxo

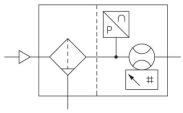
R412026835

Ocupação dos pinos



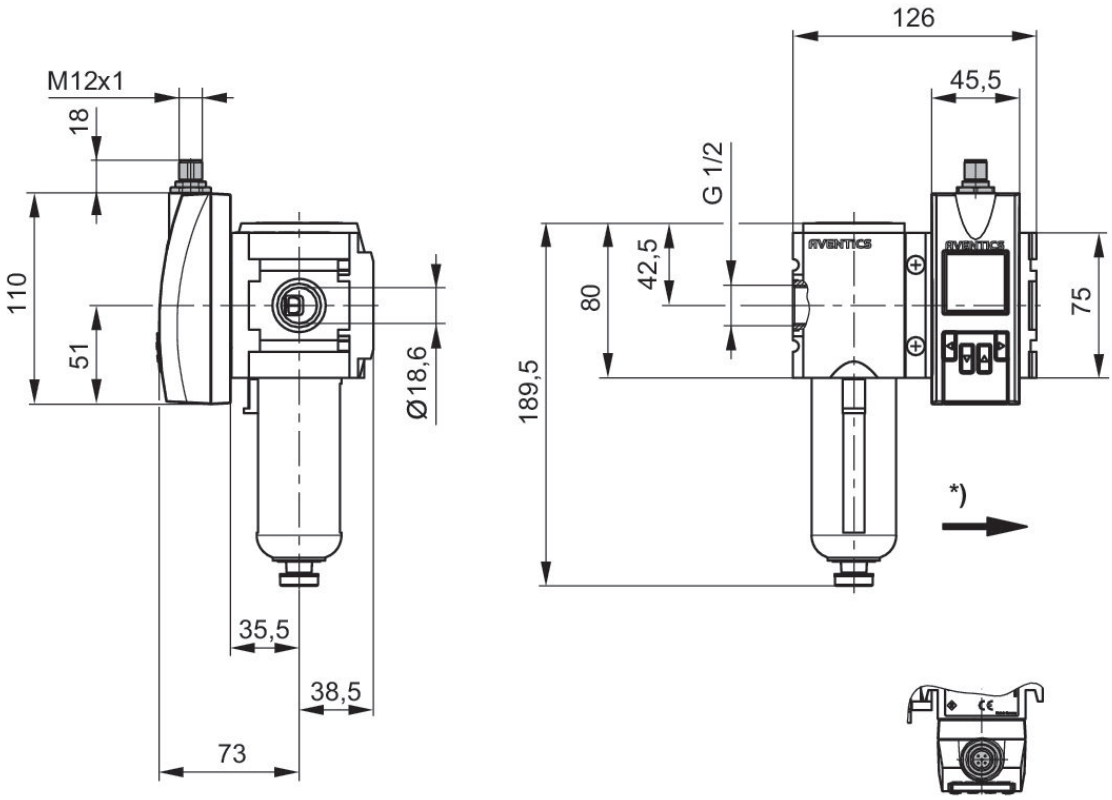
Série AF2 Sensor de fluxo, IO-Link

Conector
M12x1
AS3
Declaração de conformidade CE
RoHS
UL (Underwriters Laboratories)
de 5 pinos



tamanho	Relatório	Sinal de saída	Tensão de operação	Conexão	Fluxo [l/min]	N° de material
AS3	IO-Link, analógico	PNP, NPN, Push-pull, 1 x IO-Link	17-30 V DC	G 1/2	1630	R412027177

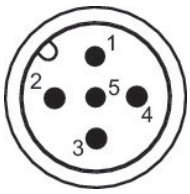
Dimensões em mm



* direção do fluxo

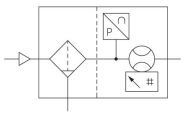
R412027177

Ocupação dos pinos



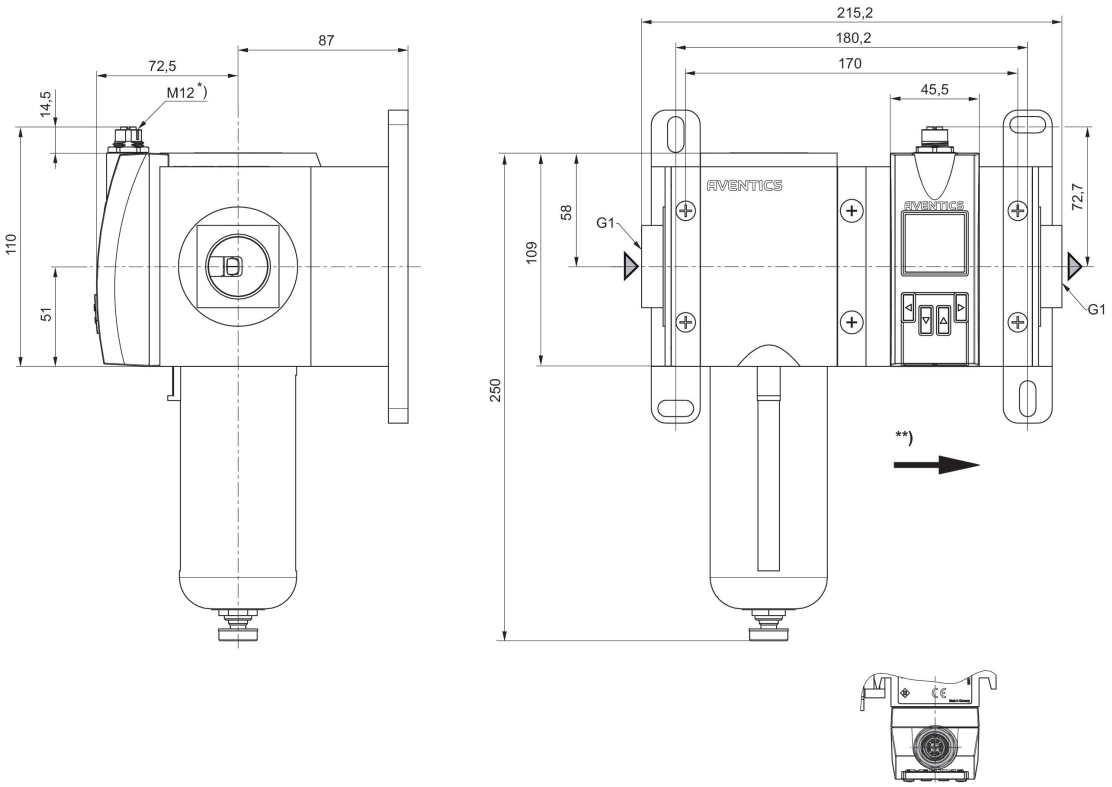
Série AF2 Sensor de fluxo, Ethernet

Conector
M12x1
AS5
Declaração de conformidade CE
RoHS
UL (Underwriters Laboratories)
De 8 pinos



tamanho	Relatório	Sinal de saída	Tensão de operação	Conexão	Fluxo [l/min]	N° de material
AS5	Ethernet, TCP/IP, OPC UA, MQTT	OPC UA, MQTT, Servidor web integrado	24 V CC	G 1	4326	R412026839

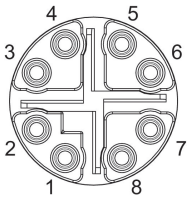
Dimensões em mm



* Rosca interna
** direção do fluxo

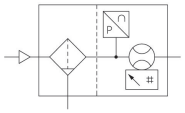
R412026839

Ocupação dos pinos



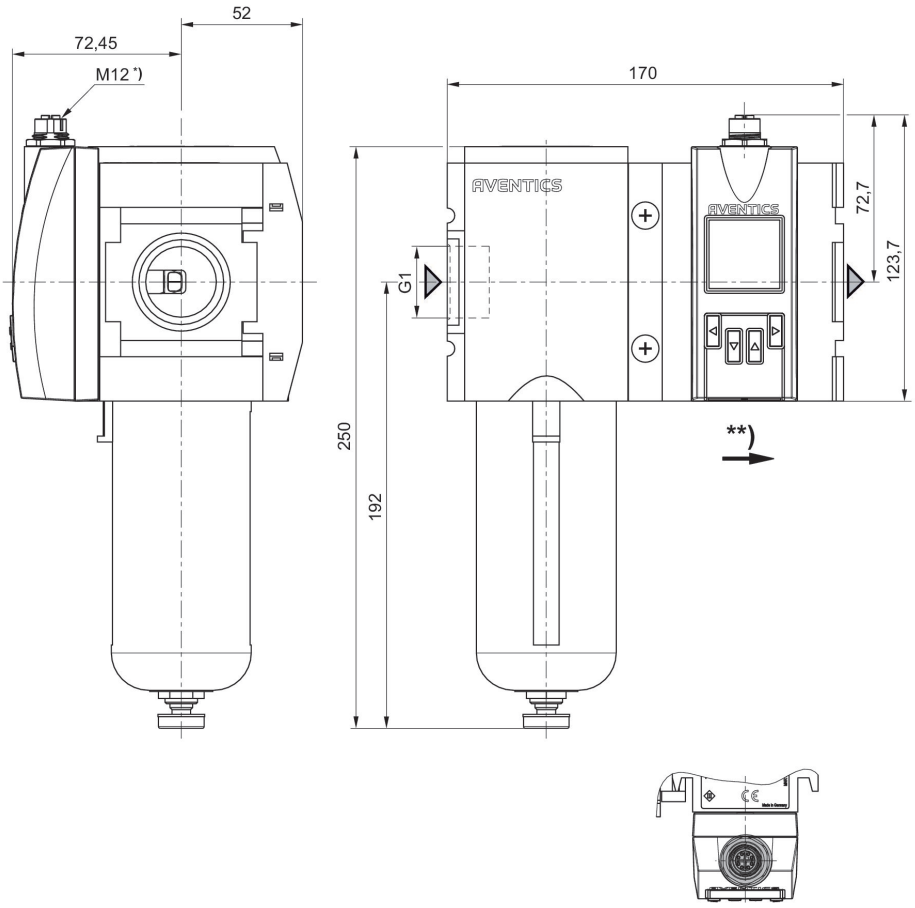
Série AF2 Sensor de fluxo, Ethernet

Conector
M12x1
AS5
Declaração de conformidade CE
RoHS
UL (Underwriters Laboratories)
De 8 pinos



tamanho	Relatório	Sinal de saída	Tensão de operação	Conexão	Fluxo [l/min]	N° de material
AS5	Ethernet, TCP/IP, OPC UA, MQTT	OPC UA, MQTT, Servidor web integrado	24 V CC	G 1	4326	R412027181

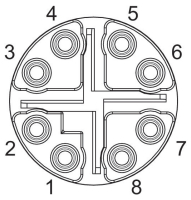
Dimensões em mm



* Rosca interna
** direção do fluxo

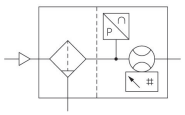
R412027181

Ocupação dos pinos



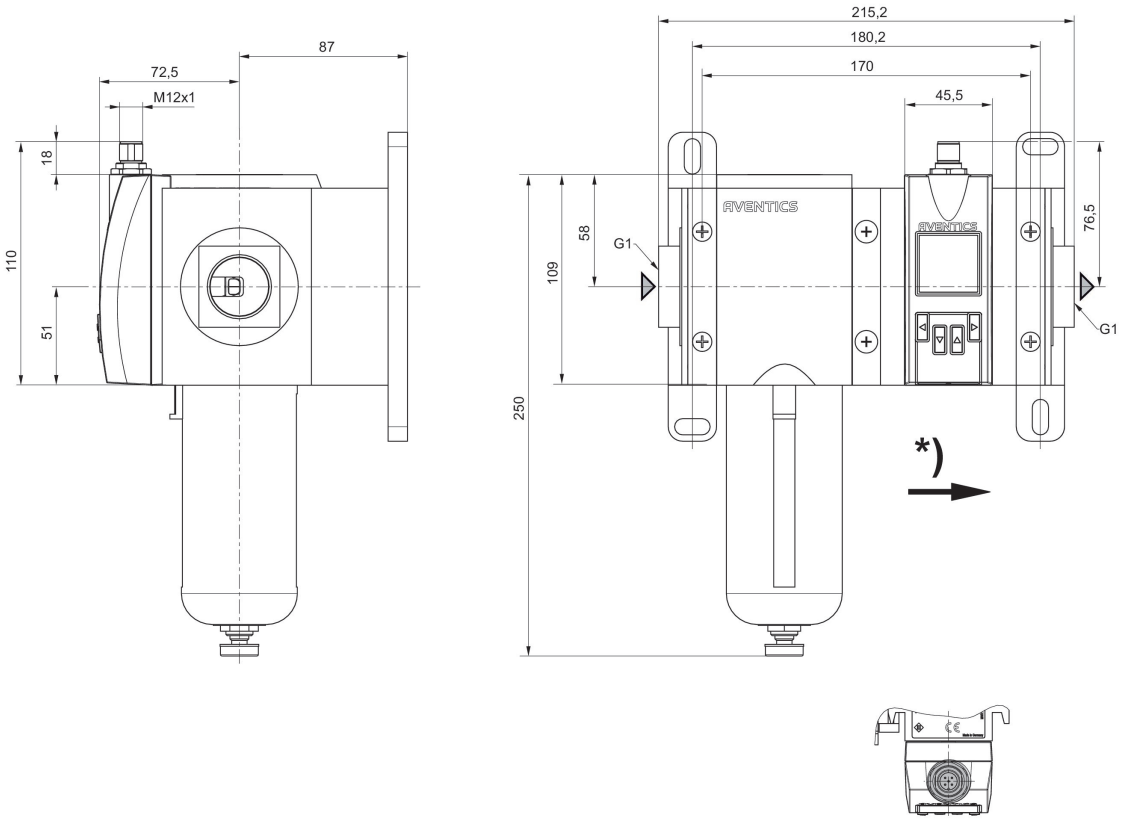
Série AF2 Sensor de fluxo, IO-Link

Conector
M12x1
AS5
Declaração de conformidade CE
RoHS
UL (Underwriters Laboratories)
de 5 pinos



tamanho	Relatório	Sinal de saída	Tensão de operação	Conexão	Fluxo [l/min]	N° de material
AS5	IO-Link, analógico	PNP, NPN, Push-pull, 1 x IO-Link	17-30 V DC	G 1	4326	R412026836

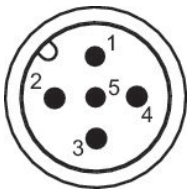
Dimensões em mm



* direção do fluxo

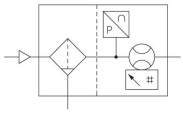
R412026836

Ocupação dos pinos



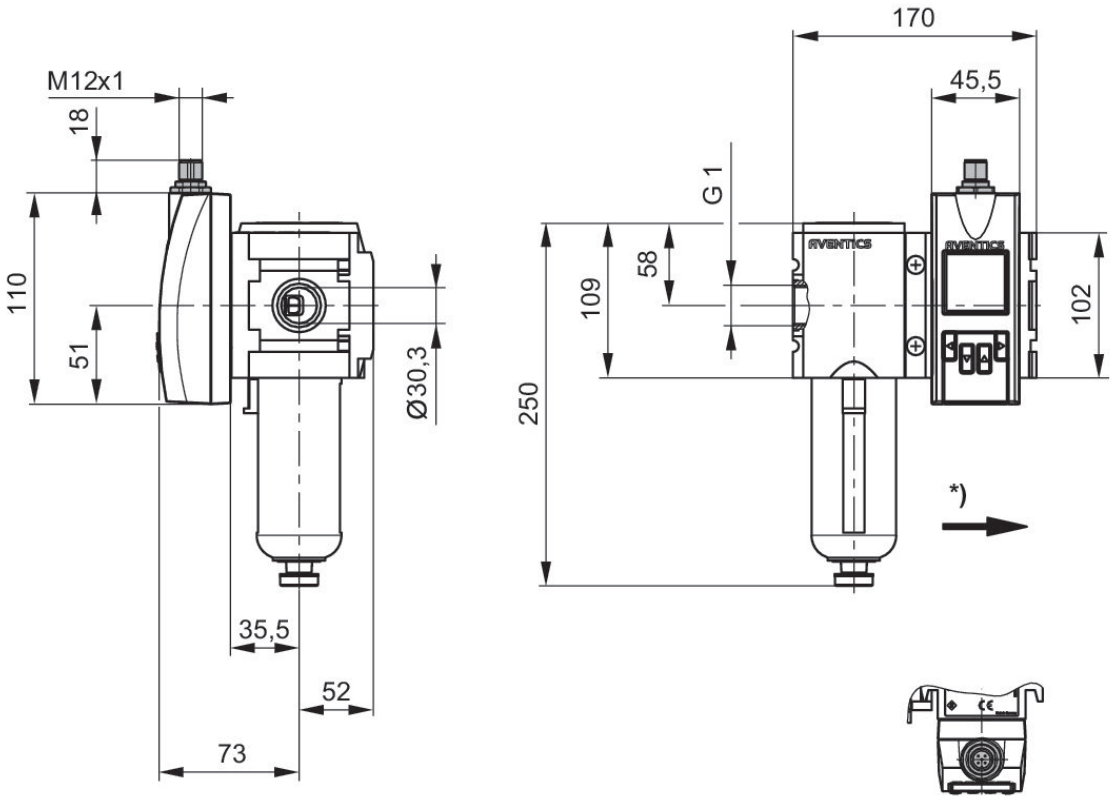
Série AF2 Sensor de fluxo, Ethernet

Conector
M12x1
AS5
Declaração de conformidade CE
RoHS
UL (Underwriters Laboratories)
de 5 pinos



tamanho	Relatório	Sinal de saída	Tensão de operação	Conexão	Fluxo [l/min]	N° de material
AS5	IO-Link, analógico	PNP, NPN, Push-pull, 1 x IO-Link	17-30 V DC	G 1	4326	R412027178

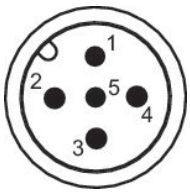
Dimensões em mm



* direção do fluxo

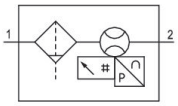
R412027178

Ocupação dos pinos



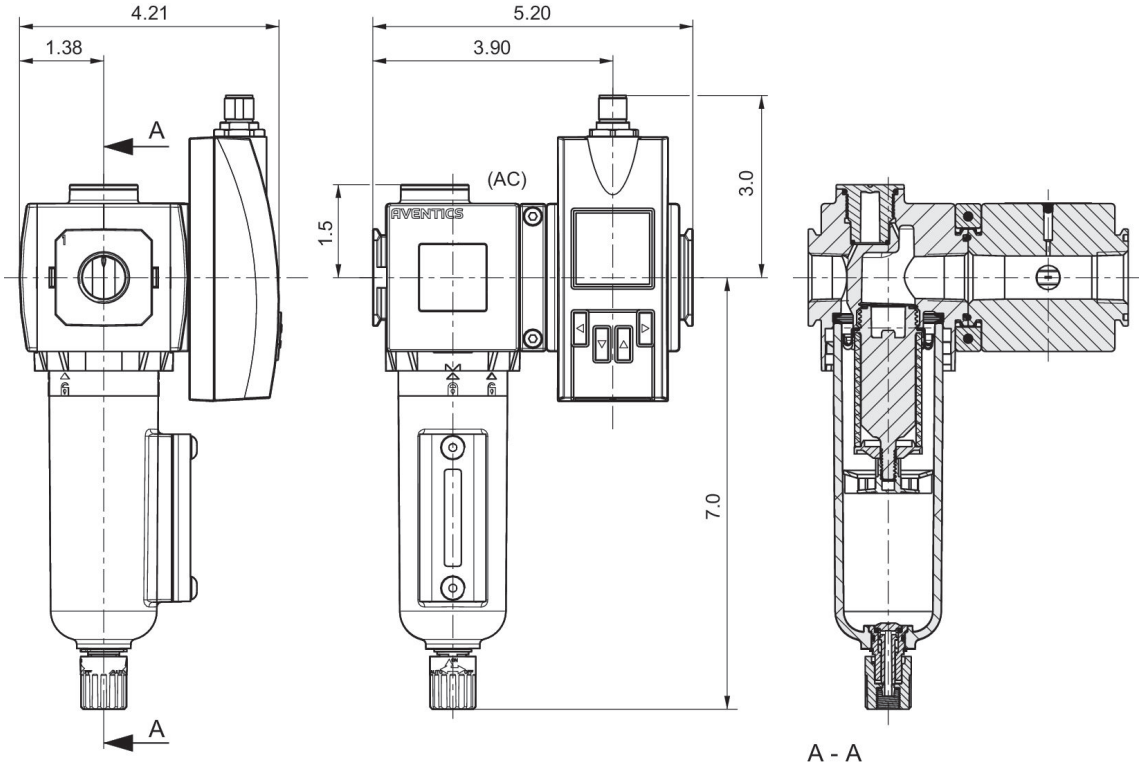
Série AF2 Sensor de fluxo, Ethernet

Conector
M12x1
652
Declaração de conformidade CE
RoHS
UL (Underwriters Laboratories)
De 8 pinos



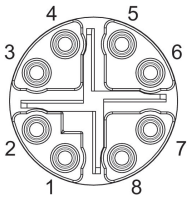
tamanho	Relatório	Sinal de saída	Tensão de operação	Conexão	Fluxo [l/min]	N° de material
652	Ethernet, TCP/IP, OPC UA, MQTT	OPC UA, MQTT, Servidor web integrado	24 V CC	G 1/2	1630	G652AVBP4JA001N
652	Ethernet, TCP/IP, OPC UA, MQTT	OPC UA, MQTT, Servidor web integrado	24 V CC	1/2 NPT	1630	8652AVBP4JA001N

Dimensões em polegadas



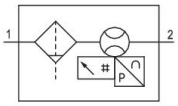
G652AVBP4JA001N, 8652AVBP4JA001N

Ocupação dos pinos



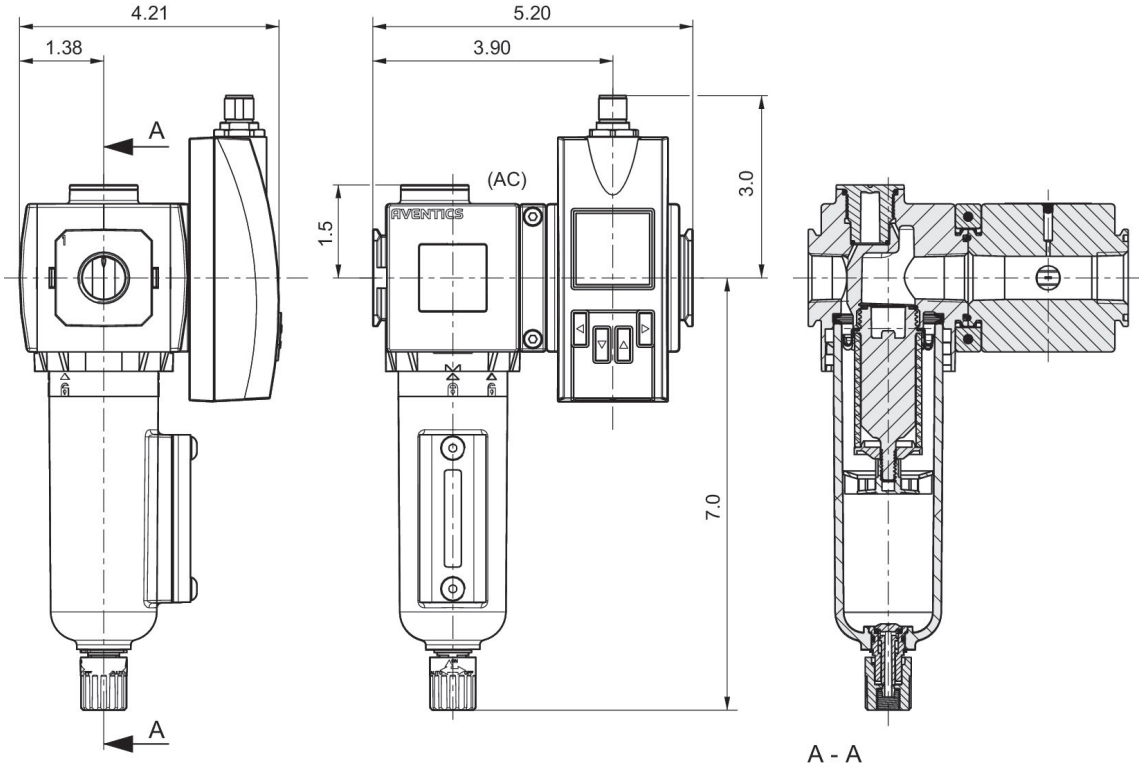
Série AF2 Sensor de fluxo, IO-Link

1630 l/min
Conector
M12x1
652
Declaração de conformidade CE
RoHS
UL (Underwriters Laboratories)
de 5 pinos



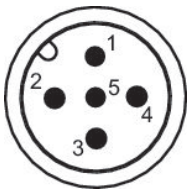
tamanho	Relatório	Sinal de saída	Tensão de operação	Conexão	Fluxo [l/min]	N° de material
652	IO-Link, analógico	PNP, NPN, Push-pull, 1 x IO-Link	17-30 V DC	G 1/2	1630	G652AVBP4JA000N
652	IO-Link, analógico	PNP, NPN, Push-pull, 1 x IO-Link	17-30 V DC	1/2 NPT	1630	8652AVBP4JA000N

Dimensões em polegadas



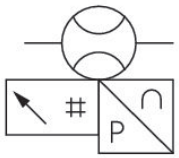
G652AVBP4JA000N, 8652AVBP4JA000N

Ocupação dos pinos



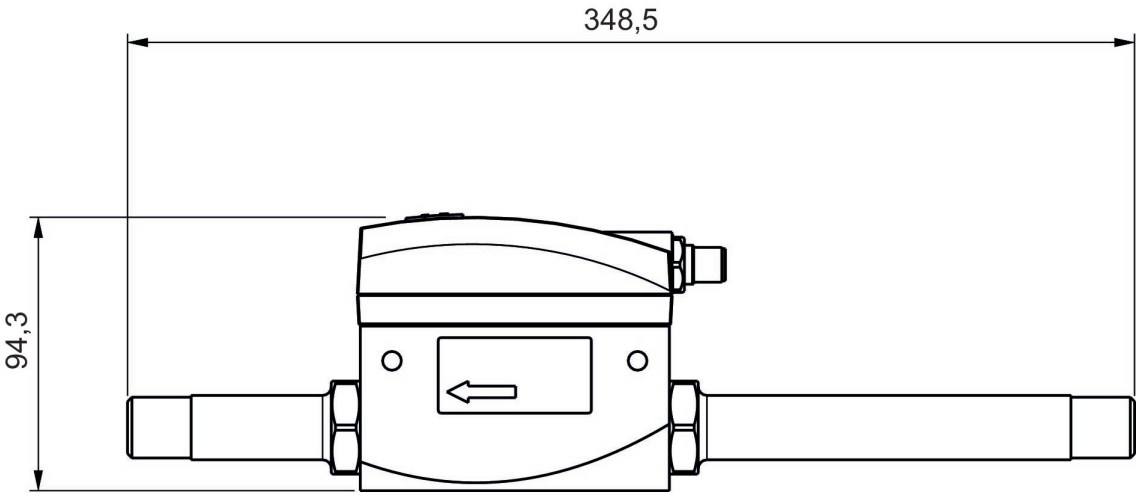
Série AF2 Sensor de fluxo, Ethernet

Conector
M12x1
DN15
Declaração de conformidade CE
RoHS
UL (Underwriters Laboratories)
De 8 pinos



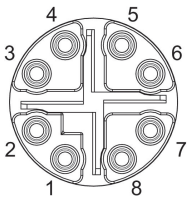
tamanho	Relatório	Sinal de saída	Tensão de operação	Conexão	Fluxo [l/min]	N° de material
DN15	Ethernet, TCP/IP, OPC UA, MQTT	OPC UA, MQTT, Servidor web integrado	24 V CC	G 1/2	1060	G652AV004JA0010
DN15	Ethernet, TCP/IP, OPC UA, MQTT	OPC UA, MQTT, Servidor web integrado	24 V CC	1/2 NPT	1060	8652AV004JA0010

Dimensões em mm



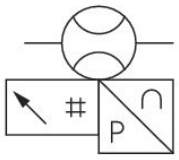
G652AV004JA0010, 8652AV004JA0010

Ocupação dos pinos



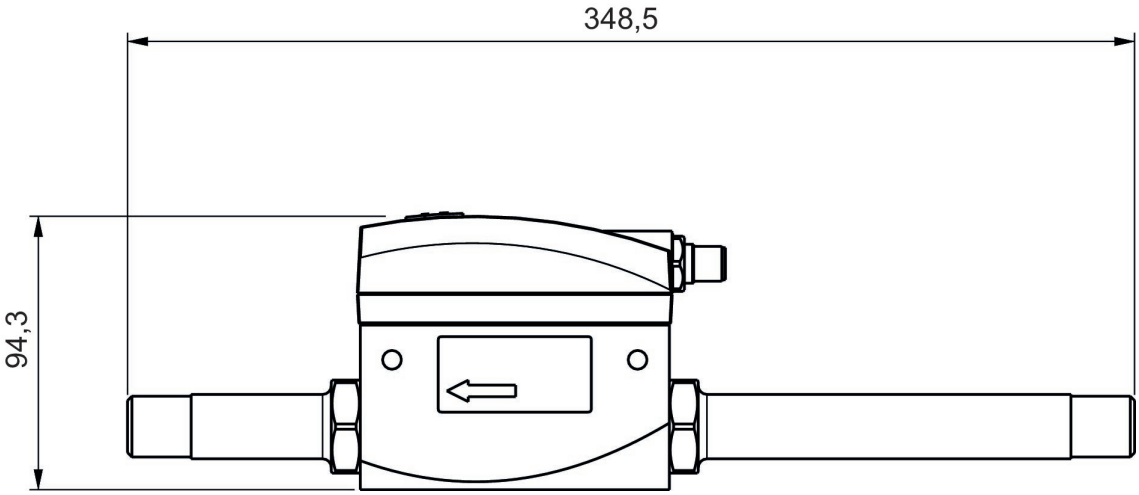
Série AF2 Sensor de fluxo, IO-Link

Conector
M12x1
DN15
Declaração de conformidade CE
RoHS
UL (Underwriters Laboratories)
de 5 pinos



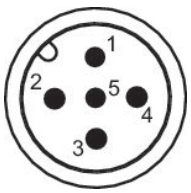
tamanho	Relatório	Sinal de saída	Tensão de operação	Conexão	Fluxo [l/min]	N° de material
DN15	IO-Link, analógico	PNP, NPN, Push-pull, 1 x IO-Link	17-30 V DC	G 1/2	1060	G652AV004JA0000
DN15	IO-Link, analógico	PNP, NPN, Push-pull, 1 x IO-Link	17-30 V DC	1/2 NPT	1060	8652AV004JA0000

Dimensões em mm



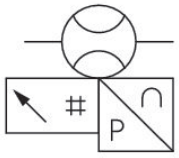
G652AV004JA0000, 8652AV004JA0000

Ocupação dos pinos



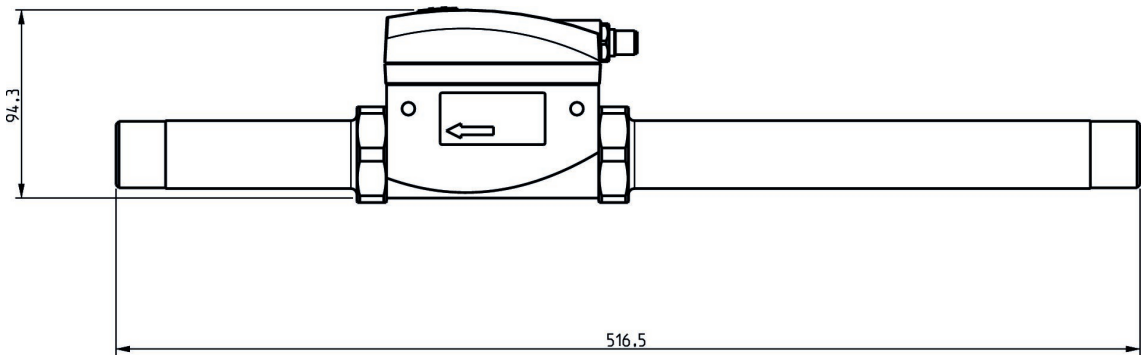
Série AF2 Sensor de fluxo, Ethernet

2945 l/min
Conector
M12x1
DN25
Declaração de conformidade CE
RoHS
UL (Underwriters Laboratories)
De 8 pinos



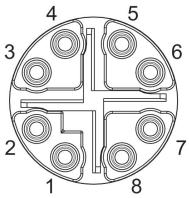
tamanho	Relatório	Sinal de saída	Tensão de operação	Conexão	Fluxo [l/min]	N° de material
DN25	TCP/IP, OPC UA, MQTT	OPC UA, MQTT, Servidor web integrado	24 V CC	G 1	2945	G653AV006JA0010
DN25	TCP/IP, OPC UA, MQTT	OPC UA, MQTT, Servidor web integrado	24 V CC	1 NPT	2945	8653AV006JA0010

Dimensões em mm



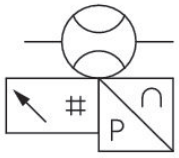
G653AV006JA0010, 8653AV006JA0010

Ocupação dos pinos



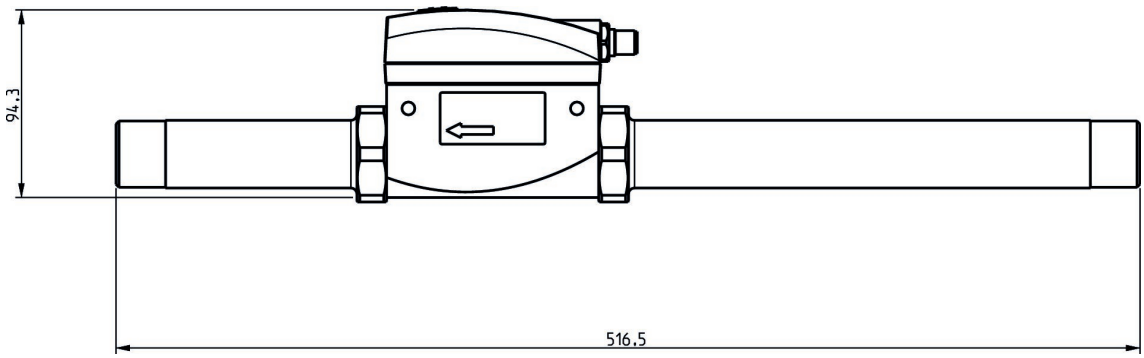
Série AF2 Sensor de fluxo, IO-Link

2945 l/min
Conector
M12x1
DN25
Declaração de conformidade CE
RoHS
UL (Underwriters Laboratories)
de 5 pinos



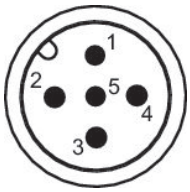
tamanho	Relatório	Sinal de saída	Tensão de operação	Conexão	Fluxo [l/min]	N° de material
DN25	IO-Link, analógico	PNP, NPN, Push-pull, 1 x IO-Link	17-30 V DC	G 1	2945	G653AV006JA0000
DN25	IO-Link, analógico	PNP, NPN, Push-pull, 1 x IO-Link	17-30 V DC	1 NPT	2945	8653AV006JA0000

Dimensões em mm



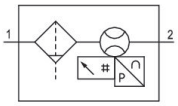
G653AV006JA0000, 8653AV006JA0000

Ocupação dos pinos



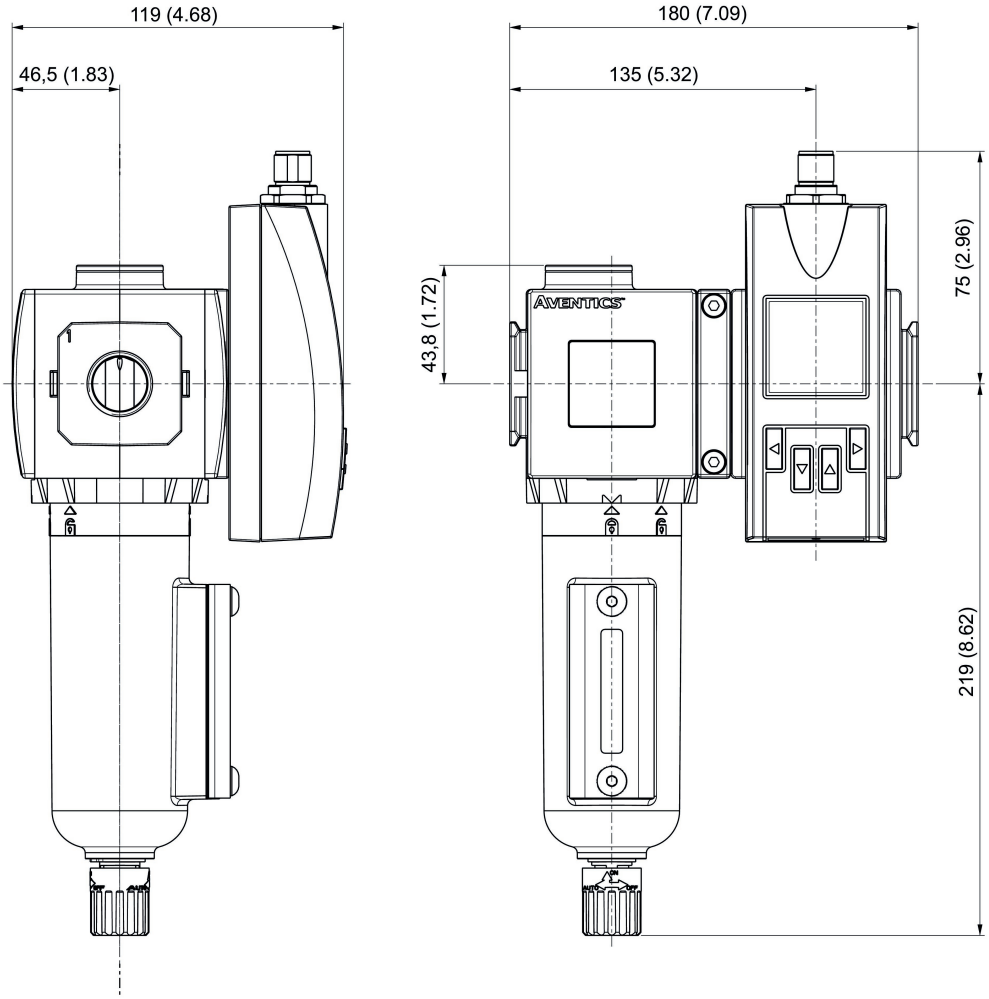
Série AF2 Sensor de fluxo, IO-Link

653



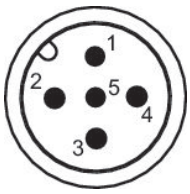
tamanho	Relatório	Sinal de saída	Tensão de operação	Conexão	Fluxo [l/min]	N° de material
653	IO-Link	PNP/NPN/Push-pull, alternável	17-30 V DC	G 1	4328	G653AVBP6JA000N
653	IO-Link	PNP/NPN/Push-pull, alternável	17-30 V DC	1 NPT	4328	8653AVBP6JA000N

Dimensões



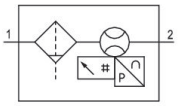
G653AVBP6JA000N, 8653AVBP6JA000N

Ocupação dos pinos



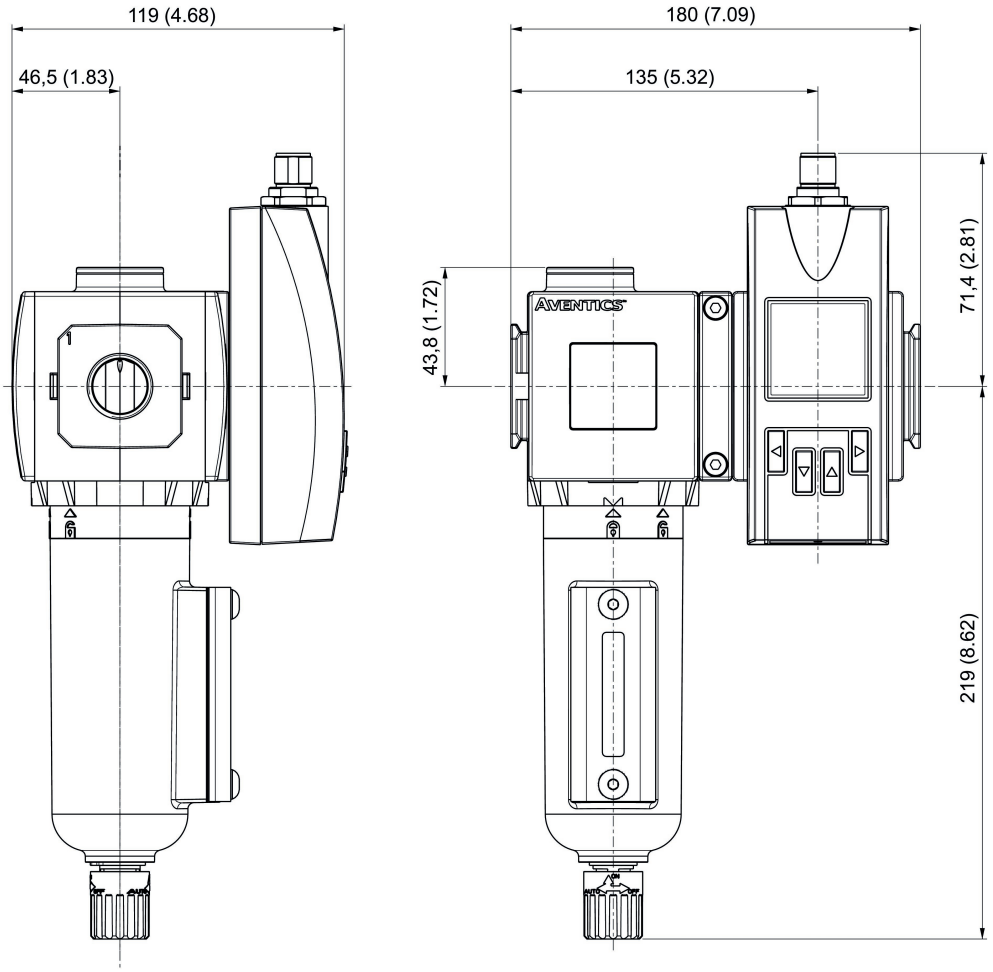
Série AF2 Sensor de fluxo, Ethernet

Conector
M12x1
653
Declaração de conformidade CE
RoHS
De 8 pinos



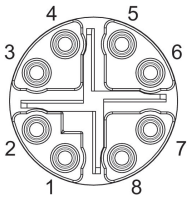
tamanho	Relatório	Sinal de saída	Tensão de operação	Conexão	Fluxo [l/min]	N° de material
653	TCP/IP, OPC UA, MQTT	OPC UA, MQTT, Servidor web integrado	24 V CC	G 1	4328	G653AVBP6JA001N
653	TCP/IP, OPC UA, MQTT	OPC UA, MQTT, Servidor web integrado	24 V CC	1 NPT	4328	8653AVBP6JA001N

Dimensões



G653AVBP6JA001N, 8653AVBP6JA001N

Ocupação dos pinos

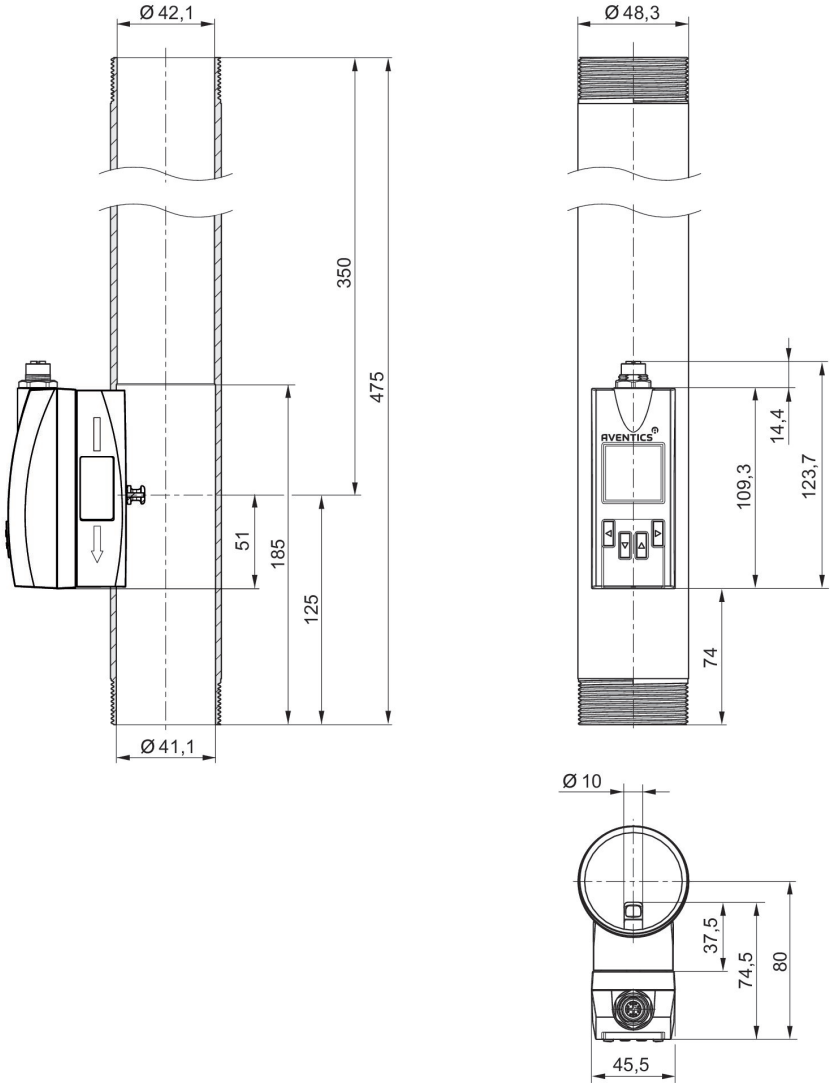


Série AF2 Sensor de fluxo, Ethernet

7540 l/min
Conector
M12x1
DN40
Declaração de conformidade CE
RoHS
UL (Underwriters Laboratories)
De 8 pinos

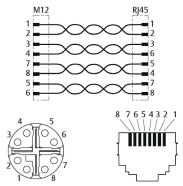
tamanho	Relatório	Sinal de saída	Tensão de operação	Conexão	Fluxo [l/min]	N° de material
DN40	Ethernet, TCP/IP, OPC UA, MQTT	OPC UA, MQTT, Servidor web integrado	24 V CC	R 1 1/2	7540	R412028643
DN40	Ethernet, TCP/IP, OPC UA, MQTT	OPC UA, MQTT, Servidor web integrado	24 V CC	1 1/2 NPT	7540	R412028645

Dimensões em mm



R412028643, R412028645

Ocupação dos pinos

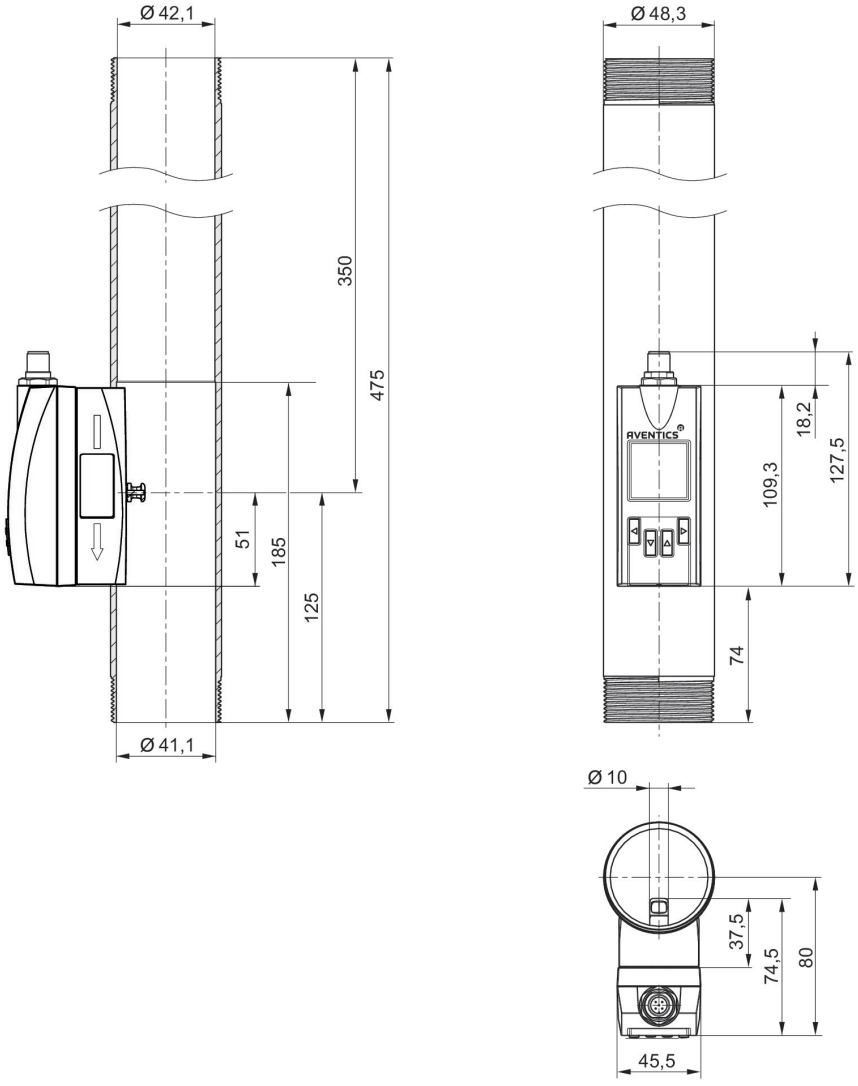


Série AF2 Sensor de fluxo, IO-Link

7540 l/min
Conector
M12x1
DN40
Declaração de conformidade CE
RoHS
UL (Underwriters Laboratories)
de 5 pinos

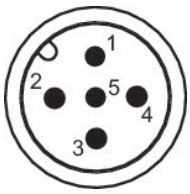
tamanho	Relatório	Sinal de saída	Tensão de operação	Conexão	Fluxo [l/min]	N° de material
DN40	IO-Link, analógico	PNP, NPN, Push-pull, 1 x IO-Link	17-30 V DC	1 1/2 NPT	7540	R412028644
DN40	IO-Link, analógico	PNP, NPN, Push-pull, 1 x IO-Link	17-30 V DC	R 1 1/2	7540	R412028642

Dimensões em mm



R412028644, R412028642

Ocupação dos pinos

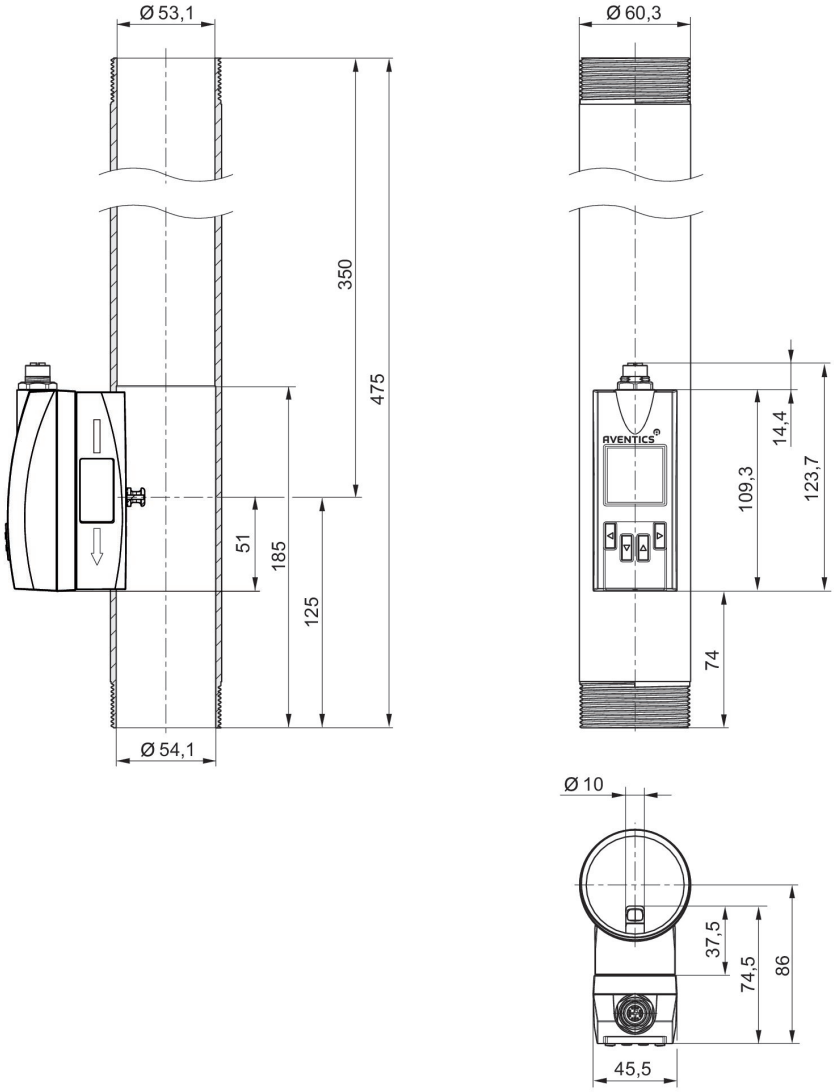


Série AF2 Sensor de fluxo, Ethernet

11780 l/min
Conector
M12x1
DN50
Declaração de conformidade CE
RoHS
UL (Underwriters Laboratories)
De 8 pinos

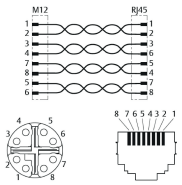
tamanho	Relatório	Sinal de saída	Tensão de operação	Conexão	Fluxo [l/min]	N° de material
DN50	Ethernet, TCP/IP, OPC UA, MQTT	OPC UA, MQTT, Servidor web integrado	24 V CC	R 2	11780	R412028647
DN50	Ethernet, TCP/IP, OPC UA, MQTT	OPC UA, MQTT, Servidor web integrado	24 V CC	R 2 NPT	11780	R412028649

Dimensões em mm



R412028647, R412028649

Ocupação dos pinos

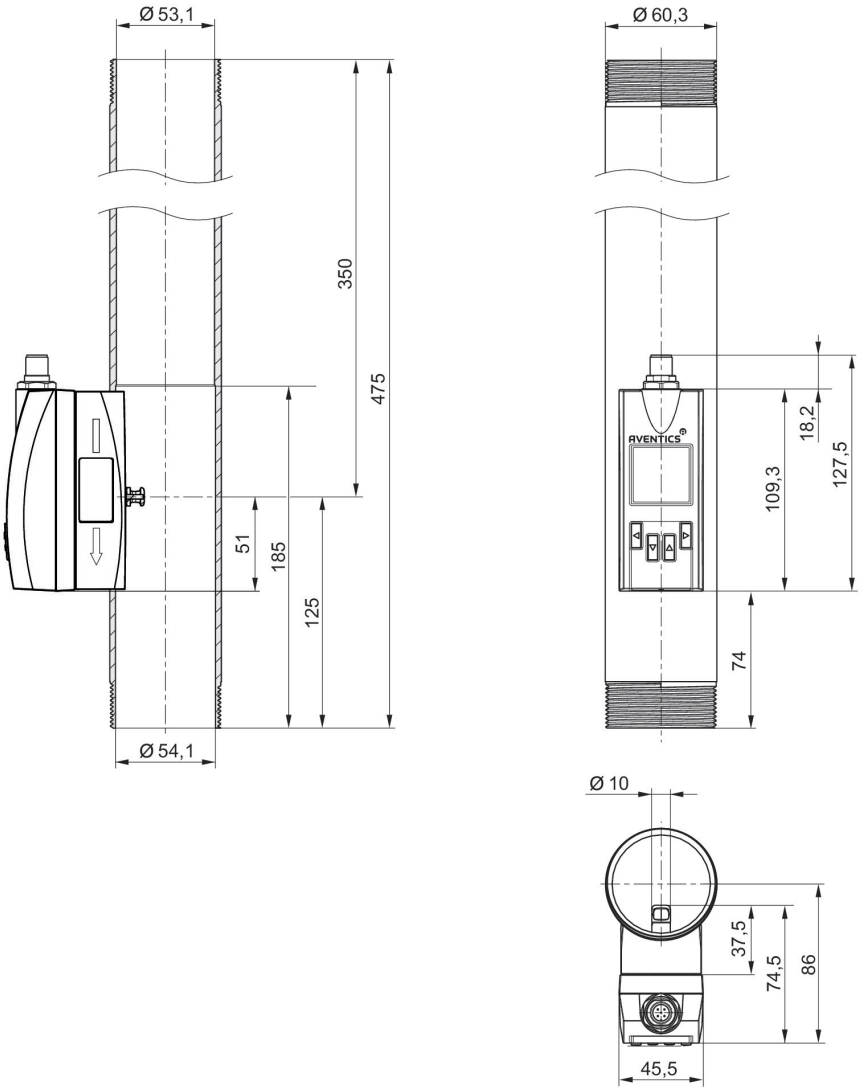


Série AF2 Sensor de fluxo, IO-Link

11780 l/min
Conector
M12x1
DN50
Declaração de conformidade CE
RoHS
UL (Underwriters Laboratories)
de 5 pinos

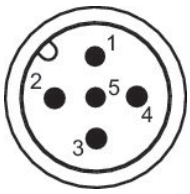
tamanho	Relatório	Sinal de saída	Tensão de operação	Conexão	Fluxo [l/min]	N° de material
DN50	IO-Link, analógico	PNP, NPN, Push-pull, 1 x IO-Link	17-30 V DC	R 2	11780	R412028646
DN50	IO-Link, analógico	PNP, NPN, Push-pull, 1 x IO-Link	17-30 V DC	R 2 NPT	11780	R412028648

Dimensões em mm



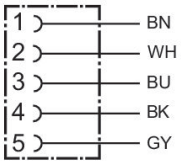
R412028646, R412028648

Ocupação dos pinos



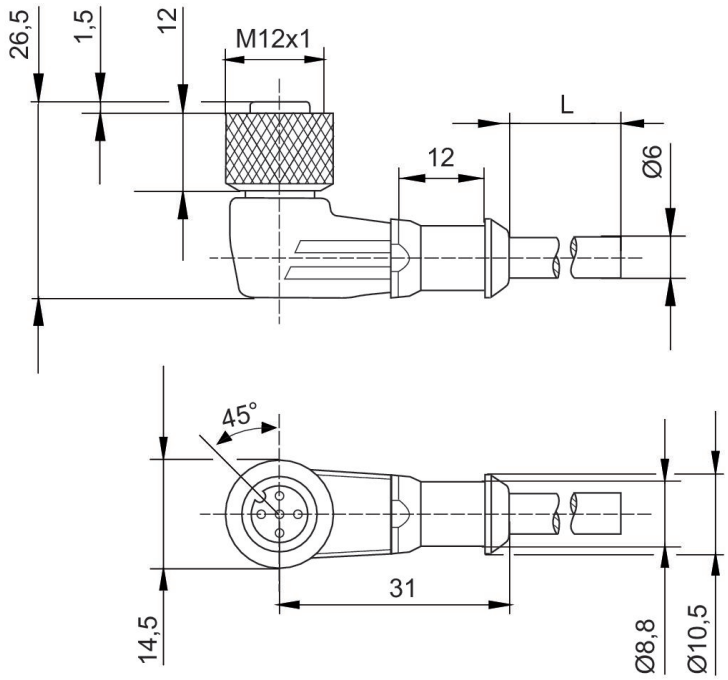
Conector redondo, Série CON-RD

Tomada
M12x1
de 5 pinos



Tensão de operação	Corrente [A]	Blindagem	Conexão elétrica 1, tipo	Conexão elétrica 1, Tamanho da rosca	Conexão elétrica 1, codificação	Conexão elétrica 2, tipo	Comprimento do cabo [m]	Cabo-Ø [mm]	Seção transversal de fio [mm²]	Temperatura ambiente mín. [°C]	Temperatura ambiente máx. [°C]	N° de material
48 V AC/DC	4	blindado	Tomada	M12x1	Código A	extremidades de cabos abertas	2.5	6	0.34	-25	80	R419800109
48 V AC/DC	4	blindado	Tomada	M12x1	Código A	extremidades de cabos abertas	5	6	0.34	-25	80	R419800110
48 V AC/DC	4	blindado	Tomada	M12x1	Código A	extremidades de cabos abertas	10	6	0.34	-25	80	R419800546

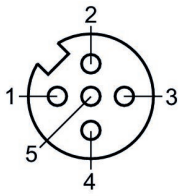
Dimensões



L = comprimento

R419800109, R419800110, R419800546

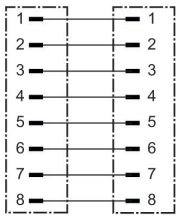
Esquema de polos tomada



(1) BN=marrom (2) WH=branco (3) BU=Azul (4) BK=preto (5) GY=cinza

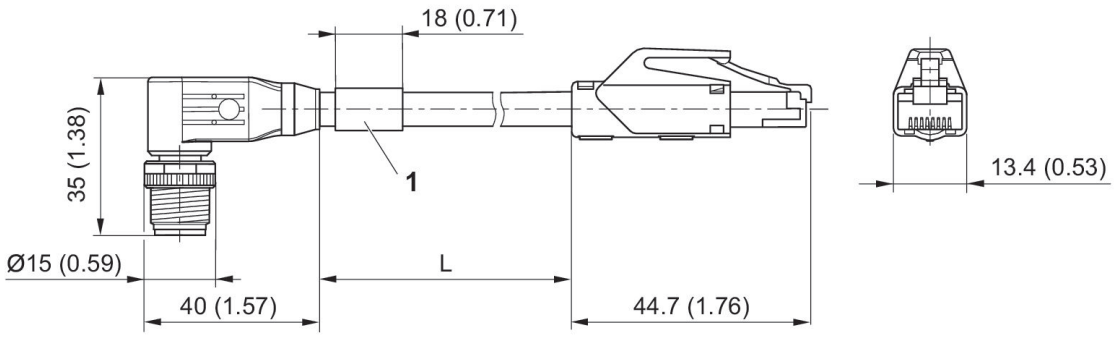
Conector de encaixe redondo com cabo, Série CON-RD

Conector
Conector
M12x1
RJ45
De 8 pinos
De 8 pinos



Tensão de operação	Corrente [A]	Blindagem	Conexão elétrica 1, tipo	Conexão elétrica 1, Tamanho da rosca	Conexão elétrica 1, codificação	Conexão elétrica 2, tipo	Conexão elétrica 2, Tamanho da rosca	Conexão elétrica 2, codificação	Comprimento do cabo [m]	Seção transversal de fio [mm²]	Temperatura ambiente mín. [°C]	Temperatura ambiente máx. [°C]	N° de material
60 V AC/DC	0.5	blindado	Conector	M12x1	Código X	Conector	RJ45	Código X	5	0.14	-25	85	R412027647

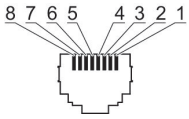
Dimensões



1) Chapa de identificação

R412027647

Esquema de polos conector



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