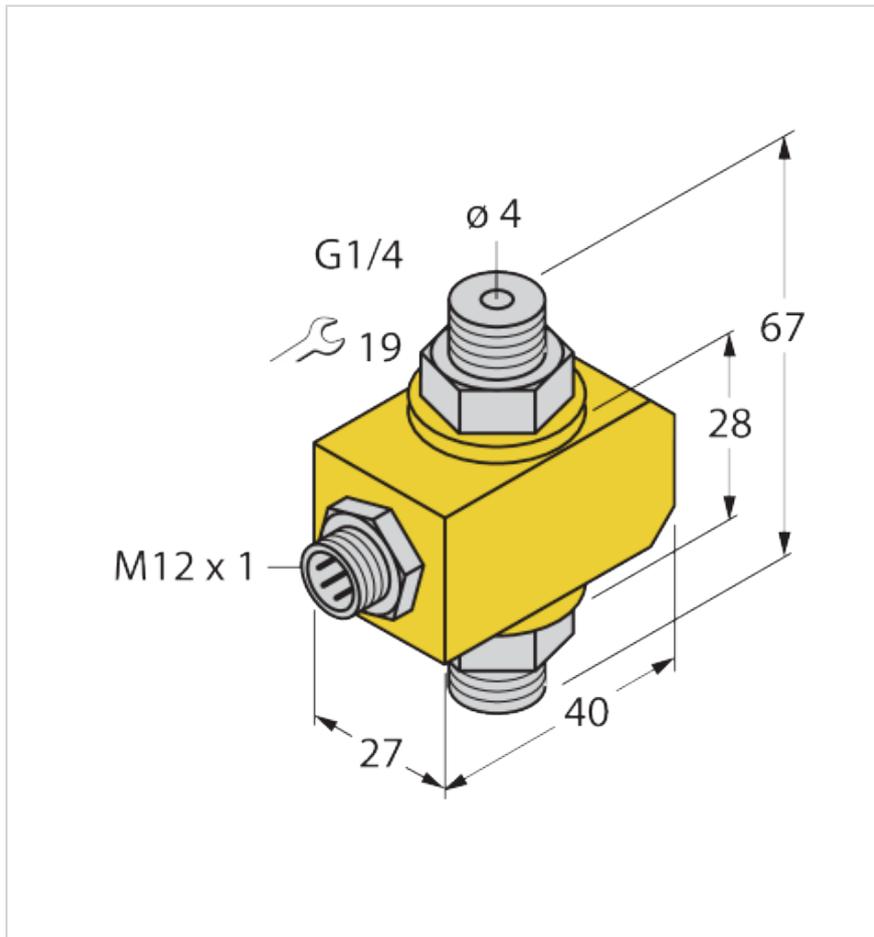


FCI-D04A4P-NA-H1141

Flow Monitoring Inline Sensor without Integrated Processor



Typ	FCI-D04A4P-NA-H1141
Ident-No.	6870638

Technical data

Caractéristiques générales	
Type de détection	calorimétrique
Principe de mesure	calorimétrique
Plage d'application	
Plage d'application	Standard
Température moyenne	0...+80 °C
Milieu	liquides
Résistance à la pression	20 bar

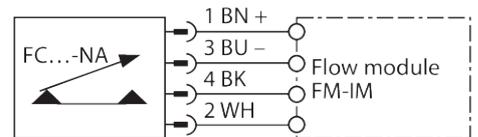
Caractéristiques

- Flow sensor for liquid media
- Calorimetric principle
- Adjustment via potentiometer on processor
- Status indicated via LED chain on signal processor
- Operating range 0.01...1 l/min
- Connector device, M12 × 1
- 4-wire connection to the processor

Technical data

Zone de détection/plage de mesure	
Plage de fonctionnement débit	0.01...1 l/min
Débit	
Gradient de température	≤400 K/min
Données électriques	
Temps de disponibilité	5 s
Temps de réaction après une variation brutale de la température	max. 12 s
Sorties	
Temps de déclenchement	0.5...1 s
Temps d'enclenchement	0.5...1 s
Données mécaniques	
Format	Inline
Type de produit	FS121
Dimensions	121,1 mm x 38 mm x 49 mm
Matériau du boîtier	Plastique, PBT
Couple de serrage max. de l'écrou de boîtier	30 Nm
Raccordement électrique	Connecteur, M12 × 1
Raccord de processus	G 1/4"
Matériau capteur	acier inoxydable, 1.4571 (AISI 316Ti)
Situation de montage	capteur in-line
Conditions d'environnement	
Température ambiante	-20...+70 °C
Indice de protection	IP67
Affichages/Commandes	
Indication	Afficheur 12 segments à 4 chiffres orientable sur 180°, rouge ou vert

Wiring Diagram



Principe de fonctionnement

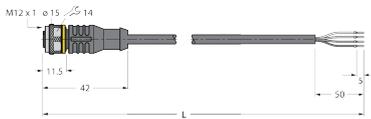
The function of the inline flow sensors is based on the thermo-dynamic principle. Heat is generated in a measuring tube and absorbed by the flowing medium. The transported heat loss is thus a measure of the flow speed. Thus TURCK's wear-free flow sensors reliably monitor the flow of gaseous and liquid media. A low pressure drop and fast response to flow rate variations are the outstanding features of these devices.

Accessoires de raccordement

RKC4.4T-2/TXL

6625503

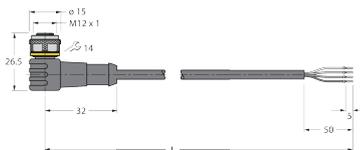
Connection cable, M12 female connector, straight, 4-pin, cable length: 2 m, jacket material: PUR, black; cULus approval



WKC4.4T-2/TXL

6625515

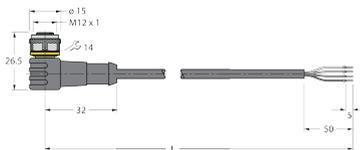
Connection cable, M12 female connector, angled, 4-pin, cable length: 2 m, jacket material: PUR, black; cULus approval



WKC4.4T-2/TEL

6625025

Connection cable, M12 female connector, angled, 4-pin, cable length: 2 m, jacket material: PVC, black; cULus approval



RKC4.4T-2/TEL

6625013

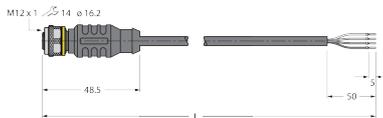
Connection cable, M12 female connector, straight, 4-pin, cable length: 2 m, jacket material: PVC, black; cULus approval



RKC4.4T-P7X2-10/TXL

6626184

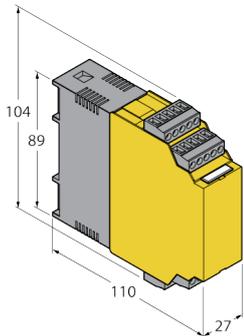
Connection cable, M12 female connector, straight, 4-pin, LED, cable length: 10 m, jacket material: PUR, black; cULus approval



Accessoires de fonction

FM-IM-3UP63X

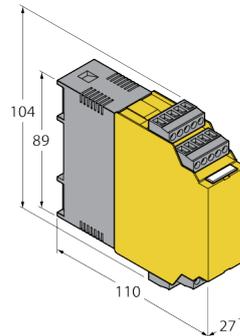
7525100



Signal processor for non-Ex flow sensors from the FC....-NA... family; operating voltage 20...30 VDC; LED bar for displaying flow speed and medium temperature; IO-Link device with transistor outputs for flow, temperature and errors

FM-IM-3UR38X

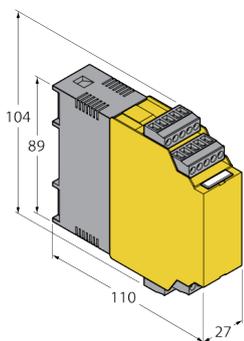
7525102



Signal processor for non-Ex flow sensors from the FC....-NA... family; operating voltage 20...250 VAC; LED bar for displaying flow speed and medium temperature; IO-Link device with transistor outputs for flow, temperature and errors

FM-IM-2UPLI63X

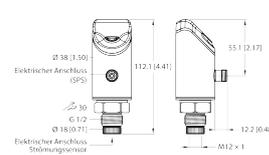
7525104



Signal processor for non-Ex flow sensors from the FC....-NA... family; operating voltage 20...30 VDC; LED bar for displaying flow speed and medium temperature; IO-Link device with analog output for flow and transistor outputs for temperature and errors

FS121-2UPN8-H1141

100047864



Appareil de traitement pour capteurs de débit non Ex de la série de produits FP....-....-NA-..., FCS...NA..., FCI...NA... ; tension de service 17...33 VCC ; afficheur 12 segments pour la vitesse de débit et la température de milieu ; appareil IO-Link avec sorties transistorisées pour le débit et la température