

2025  
2026

**GTE**<sup>®</sup>  
ELETTROMECCANICA

**KOMPONENTEN ZUR ÜBERWACHUNG  
VON FLÜSSIGKEITEN**



[WWW.GTEELETTROMECCANICA.COM](http://WWW.GTEELETTROMECCANICA.COM)



## Das Unternehmen / The Company

GTE Elettromeccanica S.r.l. entwickelt und fertigt elektromechanische und elektronische Komponenten für die Überwachung von Flüssigkeiten.

GTE Elettromeccanica S.r.l. designs and manufactures electro-mechanical and electronic components for monitoring liquids.

**GTE<sup>®</sup>**  
ELETTROMECCANICA  
**in the world**



## Qualität / Quality



Das Qualitätsmanagement des Unternehmens entspricht **ISO EN UNI 9001-2015**.

The quality system of the company complies with **ISO EN UNI 9001-2015**



**HEIZUNG/KLIMATECHNIK**  
HEATING/AIR CONDITIONING



**WASSERAUFBEREITUNG**  
WATER TREATMENT



**DAMPFERZEUGER**  
STEAM GENERATORS



**KAFFEE**  
COFFEE

## Fertigung / Manufacturing

Forschungs- und Entwicklungslaborabteilungen für Funktions- und Leistungstests sowie Produktionsprozesse sorgen für höchste Qualität.

Research and development laboratory departments for function and performance tests as well as production processes ensure superior quality.

## Produkte / Products

Das Produktportfolio von GTE Elettromeccanica S.r.l. umfasst Komponenten zur Überwachung und Absperrung von Flüssigkeitsströmen in Heizkesseln, industriellen Anwendungen und kleinen sowie großen Haushaltsgeräten wie:

The product portfolio of GTE Elettromeccanica S.r.l. comprises components for monitoring and shutting off the flow of liquids in heating system boilers, industrial applications and small as well as large household appliances such as:



**DURCHFLUSSMESSER**  
FLOW METERS



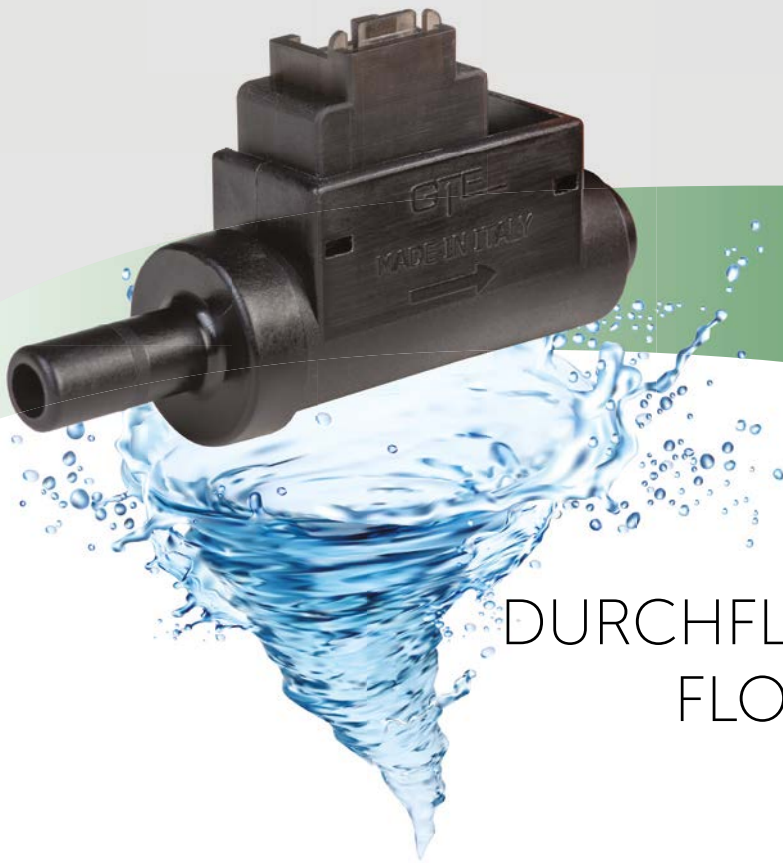
**DURCHFLUSSWÄCHTER**  
FLOW SWITCHES



**MESSUMFORMER**  
TRANSDUCERS



**DRUCKWÄCHTER**  
PRESSURE SWITCHES



## DURCHFLUSSMESSER **SERIE SFM** FLOW METERS **SERIES SFM**

### Beschreibung

Die Durchflussmesser der Serie SFM messen den Durchfluss in Rohren mithilfe eines Flügelrads und eines Hall-Sensors. Der Durchfluss ist absperribar.

### Description

Series SFM flow meters measure the flow in pipes using an impeller and a Hall effect sensor. The flow can be shut off.

### Technische Daten / Technical specifications

<b>Mounting position</b>	<i>Horizontal, vertical</i>
<b>Operating pressure range</b>	<i>≤ 10 bar</i>
<b>Connection</b>	<i>RAST 2.5</i>
<b>Sensor type</b>	<i>Hall effect</i>
<b>Power supply</b>	<i>3 ... 24 Vdc</i>
<b>Current load</b>	<i>25 mA max.</i>
<b>Output signal</b>	<i>Frequency duty cycle 50%</i>
<b>Flow rates</b>	<i>1...15 l/m</i>
<b>Ambient temperature</b>	<i>+2 °C ... 60 °C</i>
<b>Water temperature</b>	<i>+2 °C ... 70 °C</i>
<b>Inlet</b>	<i>Fast connection Ø 8 (5/16")</i>
<b>Outlet</b>	<i>John Guest (see drawing page 5)</i>
<b>Degree of protection</b>	<i>IP 00</i>

## Typenschlüssel / Type code

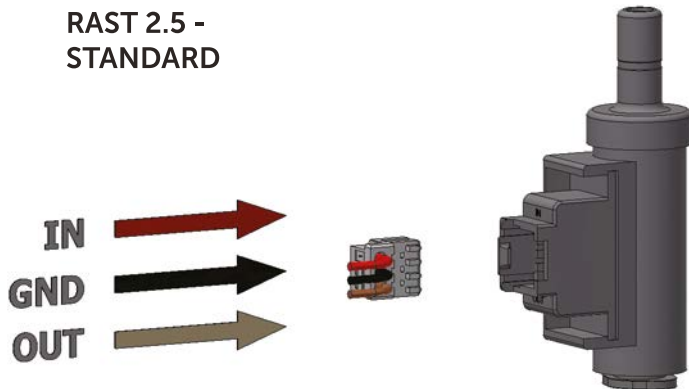
Beispiel / Example:

**SFM C U 10 Z 00**

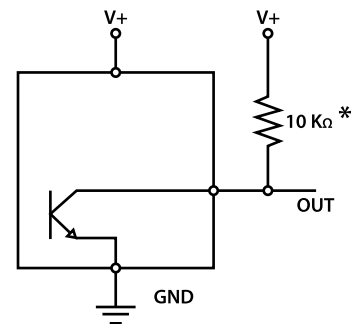
1	2	3	4	5	6
Series	Type	Inlet Connection	Flow	Outlet Connection	Custom
SFM	C - Heating (wall heaters) I - Industrial application A - Food contact	U - Fast Connection Ø 8 (5/16")	10 - 1...15 l/min	Z - Adaptor John Guest Ø 8 (5/16")	00 - 4 poles magnet 10 - 2 poles magnet

Andere Anschlüsse auf Anfrage - Other connections available on request

## Elektrischer Anschluss Electrical connection



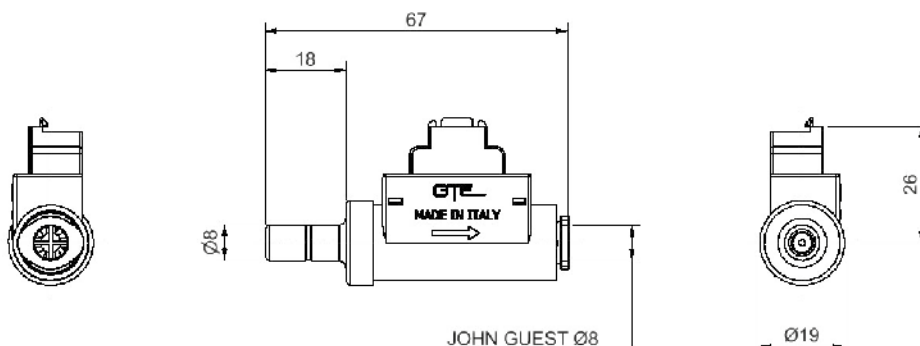
## Anschlussschaltbild Wiring diagram



\* Der Wert von 10 kΩ ist ein Beispiel. Der Widerstand kann in Abhängigkeit von der gewählten Versorgungsspannung und dem spezifizierten Maximalstrom ausgelegt werden (siehe Abschnitt „Technische Daten“).  
The value of 10 kΩ is an example. The resistor can be rated according to the selected supply voltage and the specified maximum current (see section "Technical specifications").

## Hydraulischer Anschluss / Hydraulic connection

U - Fast connection 8 (5/16") / Z - John Guest 8 (5/16")





## DURCHFLUSSMESSER **SERIE SFR** FLOW METERS **SERIES SFR**

### Beschreibung

Die Durchflussmesser der Serie SFR messen den Durchfluss in Rohren mithilfe eines Flügelrads und eines Hall-Sensors. Der Durchfluss ist absperrbar.

### Description

Series SFR flow meters measure the flow in pipes using an impeller and a Hall effect sensor. The flow can be shut off.

### Technische Daten / Technical specifications

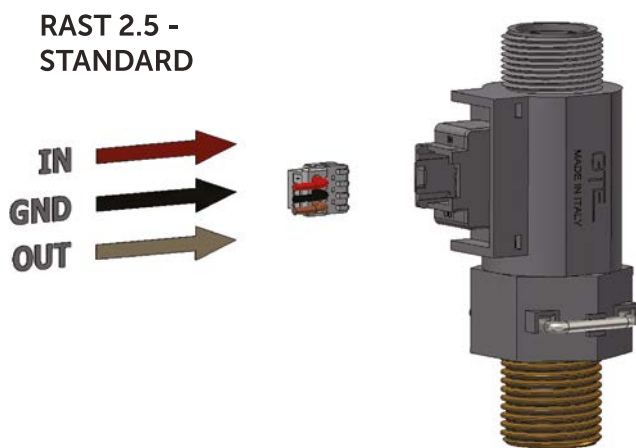
<b>Mounting position</b>	<i>Horizontal, vertical</i>
<b>Operating pressure range</b>	<i>≤ 10 bar</i>
<b>Connection</b>	<i>RAST 2.5</i>
<b>Sensor type</b>	<i>Hall effect</i>
<b>Power supply</b>	<i>3 ... 24 Vdc</i>
<b>Current load</b>	<i>25 mA max.</i>
<b>Output signal</b>	<i>Frequency duty cycle 50%</i>
<b>Flow rates</b>	<i>1 ... 45 l/m</i>
<b>Ambient temperature</b>	<i>+2 °C ... 60 °C</i>
<b>Water temperature</b>	<i>+2 °C ... 70 °C</i>
<b>Inlet</b>	<i>Brass G1/2</i>
<b>Outlet</b>	<i>G1/2 male</i>
<b>Degree of protection</b>	<i>IP 00</i>

## Typenschlüssel / Type code

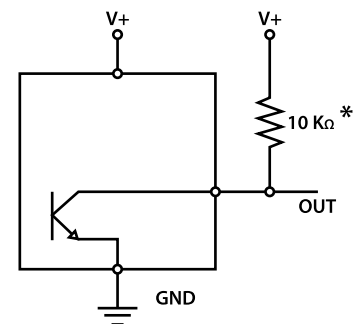
Beispiel / Example:  
**SFR C Z 30 A 00**

1 Series	2 Type	3 Inlet Connection	4 Flow	5 Outlet Connection	6 Custom
SFR	C - Heating (wall heaters) I - Industrial application A - Food contact	Z - Adaptor G 1/2 J - Adaptor JG 3/8	30 - 1 ... 45 l/min	A - G 1/2 male C - Adaptor JG 3/8	00 - 4 poles magnet 10 - 2 poles magnet

## Elektrischer Anschluss Electrical connection



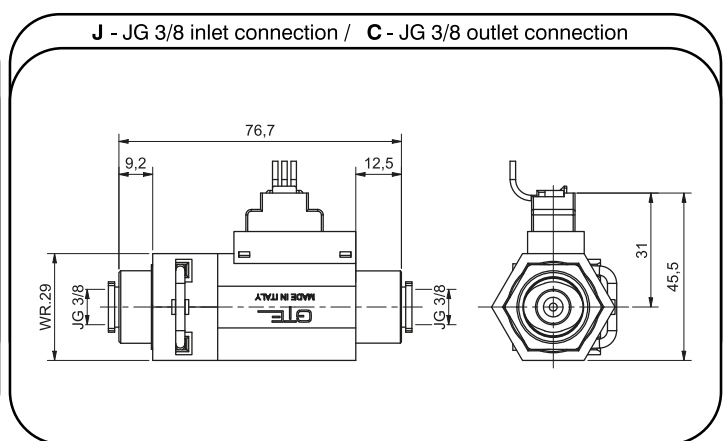
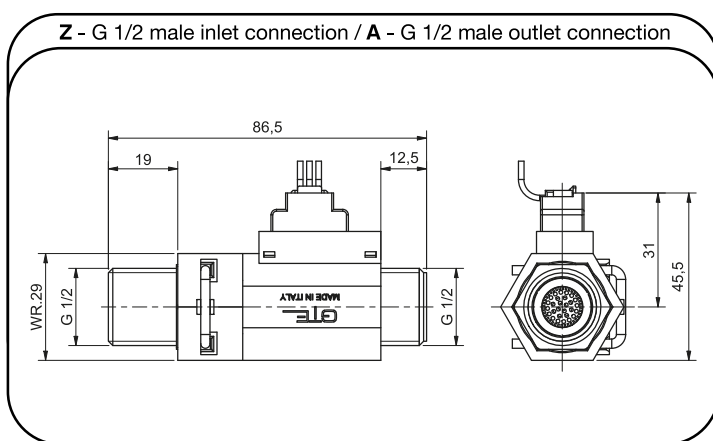
## Anschluss Schaltbild Wiring diagram



\* Der Wert von 10 kΩ ist ein Beispiel. Der Widerstand kann in Abhängigkeit von der gewählten Versorgungsspannung und dem spezifizierten Maximalstrom ausgelegt werden (siehe Abschnitt „Technische Daten“).

*The value of 10 kΩ is an example. The resistor can be rated according to the selected supply voltage and the specified maximum current (see section "Technical specifications").*

## Hydraulischer Anschluss / Hydraulic connection





## DURCHFLUSSWÄCHTER **SERIE FM**

## FLOW SWITCHES **SERIES FM**

### Beschreibung

Die Durchflusswächter der Serie FM sperren den Durchfluss mit Hilfe eines Magnetsystems und eines Reedkontakts ab.

### Description

Series FM flow switches shut off the flow using a magnetic system and reed contact.

### Technische Daten / Technical specifications

Switching power max.	10 W
Switching current max.	0,5 A
Switching voltage max.	100 Vac / Vdc
Insulation resistance min.	10E+10 Ω
Breakdown voltage	160 Vac / 220 Vdc
Contact resistance max.	100 mΩ
Capacitance	0,7 pF
Switch	Normally open (NO)
Mounting position	Horizontal, vertical
Operating pressure range	0 ... 15 bar
Switching range	ON 1,5 l/min OFF 0,5 l/min (other ranges available on request)
Connection pins tabs	6,3 x 0,8 mm
Water temperature	+2 °C ... 90 °C
Ambient temperature	-20 °C (with antifreeze additive) ... +60 °C
Inlet	Quick coupling fitting Ø 8 (5/16")
Outlet	John Guest (see drawing page 9)
Degree of protection	IP 00
Weight	~19 g

### Konformität / Conformity

- WRAS-Zulassung für Wasser in Lebensmittelanwendungen.  
WRAS approval for water in food applications.



## Typenschlüssel / Type code

Beispiel / Example:  
**FMAU10Z00**

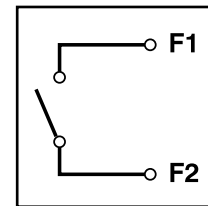
1	2	3	4	5	6
<b>Series</b>	<b>Type</b>	<b>Inlet Connection</b>	<b>Flow</b>	<b>Outlet Connection</b>	<b>Custom</b>
FM	A - Food contact	U - Fast Connection Ø 8 (5/16")	10 - ON 1,50 l/min OFF 0,5 l/min	Z - Adaptor John Guest Ø 8 (5/16")	00 - Standard

Andere Anschlüsse auf Anfrage - Other connections available on request

Flow switches with fast connection.  
Input diam. 8 (5/16) male.  
Output adaptor John Guest diam. 8 (5/16)

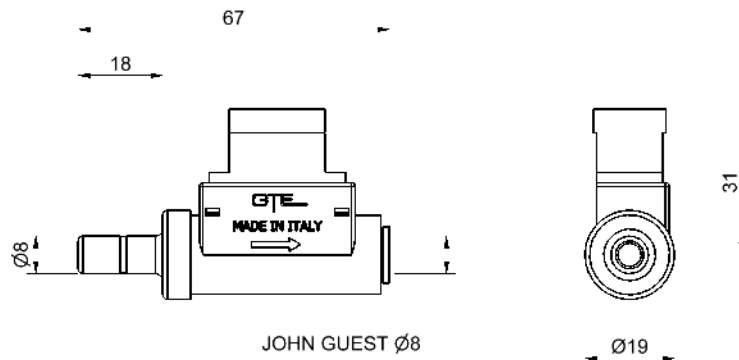


## Anschlusschaltbild Wiring diagram



## Hydraulischer Anschluss / Hydraulic connection

**U** - Fast connection Ø 8 (5/16") / **Z** - John Guest Ø 8 (5/16")





## DURCHFLUSSWÄCHTER **SERIE FL** FLOW SWITCHES **SERIES FL**

### Beschreibung

Die Durchflusswächter der Serie FL sperren den Durchfluss mit Hilfe eines Magnetsystems und eines Reedkontakts ab.

### Description

Series FL flow switches shut off the flow using a magnetic system and reed contact.

### Technische Daten / Technical specifications

Switching power max.	10 W
Switching current max.	0,5 A
Switching voltage max.	100 Vac / Vdc
Insulation resistance min.	10E+10 Ω
Breakdown voltage	160 Vac / 220 Vdc
Contact resistance max.	100 mΩ
Capacitance	0,7 pF
Switch	Normally open (NO)
Mounting position	Vertical
Operating pressure range	0 ... 15 bar
Switching range	ON 2,0 l/min OFF 1,2 l/min
Connection pins tabs	6,3 x 0,8 mm
Water temperature	+2 °C ... 90 °C
Ambient temperature	-20 °C (with antifreeze additive) ... +60 °C
Inlet	Brass G1/2
Outlet	See drawing page 11
Degree of protection	IP 00
Weight	~86 g

### Konformität / Conformity

- WRAS-Zulassung für Wasser in Lebensmittelanwendungen.  
WRAS approval for water in food applications.

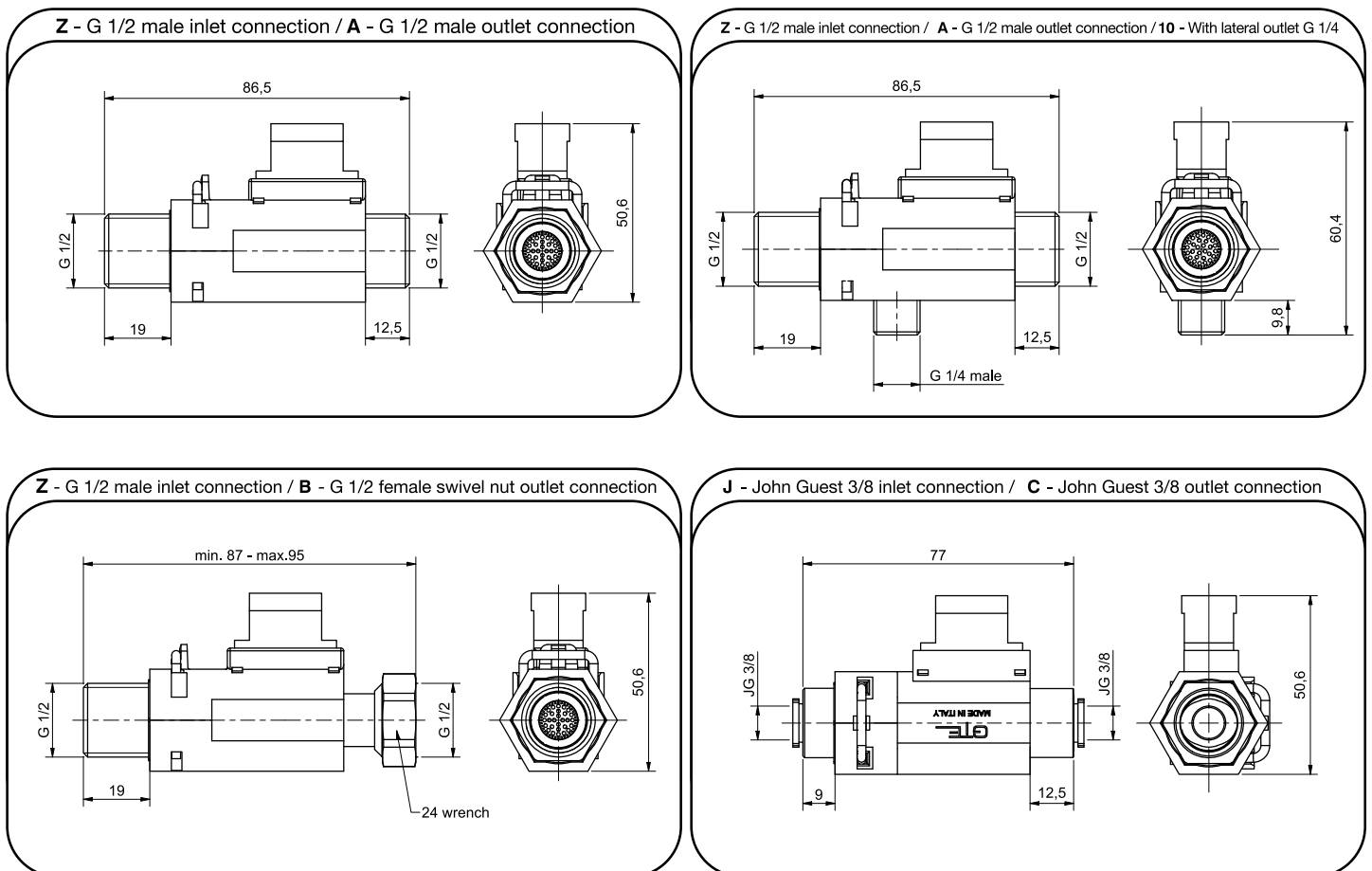
## Typenschlüssel / Type code

Beispiel / Example:

**FLC Z 20 A 00**

1 Series	2 Type	3 Inlet Connection	4 Flow	5 Outlet Connection	6 Custom
FL	C - Heating (wall heaters)	Z - Adaptor G 1/2	05 - 0,5 l/min on	A - G 1/2 male	00 - Standard
FN	V - Steam	J - Adaptor JG 3/8	20 - 2 l/min on	B - Dado G 1/2 female	10 - Lateral outlet G1/4
FR	I - Industrial application		30 - 3 l/min on	C - Adaptor JG 3/8	15 - With flow reducer (3-way)
	A - Food contact		50 - 5 l/min on		20 - With flow rate spring
			60 - 6 l/min on		25 - With flow reducer (2-way)
			70 - 7 l/min on		

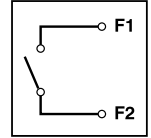
## Hydraulischer Anschluss / Hydraulic connection



Flow switch with G 1/2 male inlet and outlet



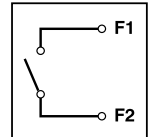
Wiring diagram



Flow switch with G 1/2 male inlet and outlet  
Lateral outlet G 1/4 male



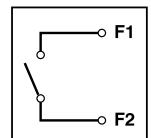
Wiring diagram



Flow switch with G 1/2 male inlet and G 1/2 female swivel nut outlet



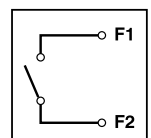
Wiring diagram



Flow switch with adaptor JG 3/8 inlet and outlet



Wiring diagram





## DRUCKWÄCHTER **SERIE PS** PRESSURE SWITCHES **SERIES PS**

### Beschreibung

Die kompakten Druckwächter der Serie PS überwachen den Mindestwasserdruck in Heizkesseln für Heizungsanlagen.

### Description

The compact series PS pressure switches monitor the minimum water pressure in boilers for heating systems.

### Technische Daten / Technical specifications

Max static pressure	6 bar
Operating pressure	0.5 bar (other operating pressures on request)
Hysteresis	> 0,1 bar
Maximum overload pressure	> 10 bar
Ambient temperature	-20 °C ... +60 °C
Water temperature	< 90 °C
Switching power W	30 W
Switching voltage V	30 Vdc/Vac
Switching current A	1 A Max
Contact Resistance $\Omega$	100 m $\Omega$ Max
Insulation Resistance	10E + 10 $\Omega$
Terminal connection	6.3 x 0.8 mm
Hydraulic inlet	See connections pages 19-20
Degree of protection	IP 00
Weight	~19 g
Storage conditions	Humidity-free and dust-free environment

### Konformität / Conformity

- EN 60730-1, EN 60730-2-6, EN 60730-1:2016/A1:2019
- WRAS-Zulassung für Wasser in Lebensmittelanwendungen.  
WRAS approval for water in food applications.
- Alle unsere Produkte entsprechen der Europäischen Richtlinie (EU) 2017/2102 (RoHS).  
All our products comply with the European Directive (EU) 2017/2102 (RoHS).

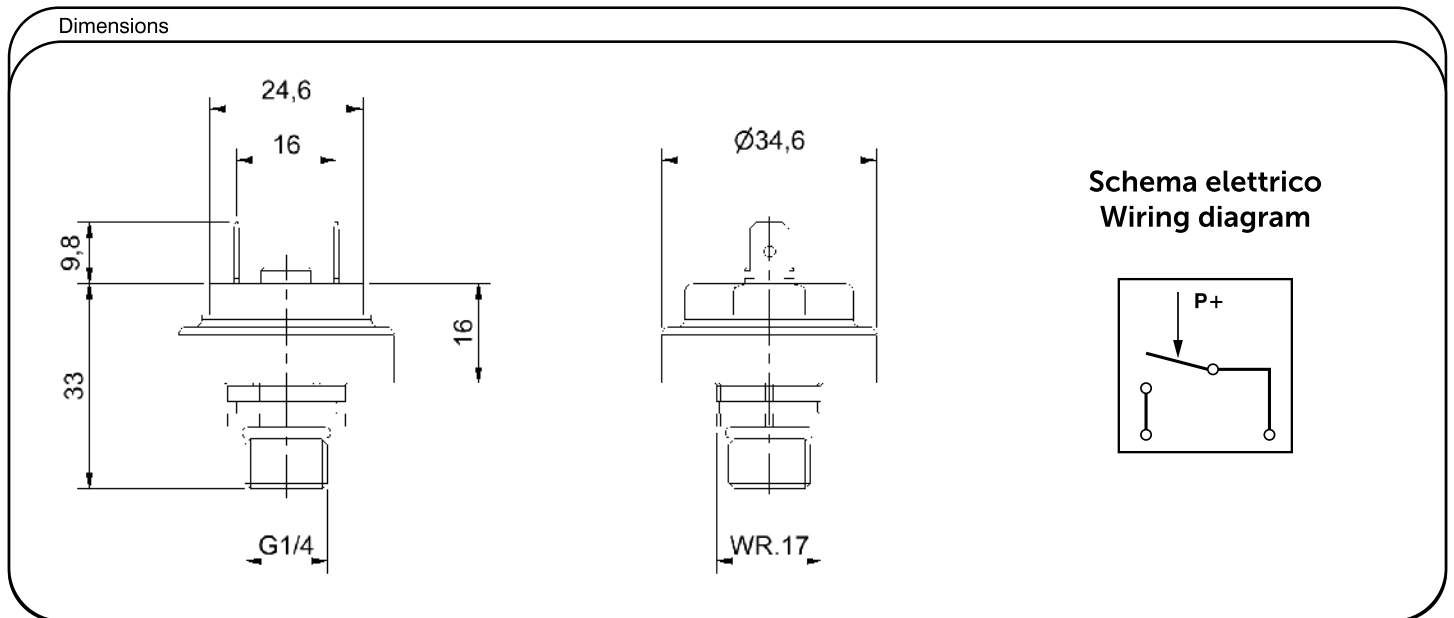


## Typenschlüssel / Type code

Beispiel / Example:  
**PSC B 05 NO 00**

1 Series	2 Type	3 Connection	4 Calibration	5 Microswitch Circuit	6 Custom
PS	C - Heating I - Industrial application A - Food contact O - Brass S - Inox	See SP series Type code	XX	NO - Normally open	00 - Standard

## Hydraulischer Anschluss / Hydraulic connection



## Varianten / Versions

**BRASS**



DRUCKWÄCHTER **PS MESSINGKÖRPER**  
SERIES PS PRESSURE SWITCH **BRASS BODY**

**INOX**



DRUCKWÄCHTER **PS EDELSTAHKÖRPER**  
SERIES PS PRESSURE SWITCH **INOX BODY**

Pressure switches with hydraulic connection "John Guest"

**WATER TREATMENT**



- Features:
- Food contact material
  - High hysteresis for excellent stability in automatic systems
  - Long service life and compact design
  - Male and female connections

Pressure switches with hydraulic connection "gas thread" and adjustable connection

**HVAC**



- Features:
- Male and female gas thread (also with brass adapter) or adjustable connection
  - Various configurations: Faston (COM+NO/NC - COM+NC+NO), vertical fastons, RAST 5, RAST 2.5 (with cover) and soldered wire with cover
  - Long service life and compact design
  - High and low pressure ranges

**PS SERIES**



**SP SERIES**



- Features:
- Compact design
  - Fixed operating pressure (decreasing)
  - For monitoring the minimum water pressure in secondary circuits

Pressure switches with metal hydraulic connection

**STEAM - COFFEE - INDUSTRIAL**

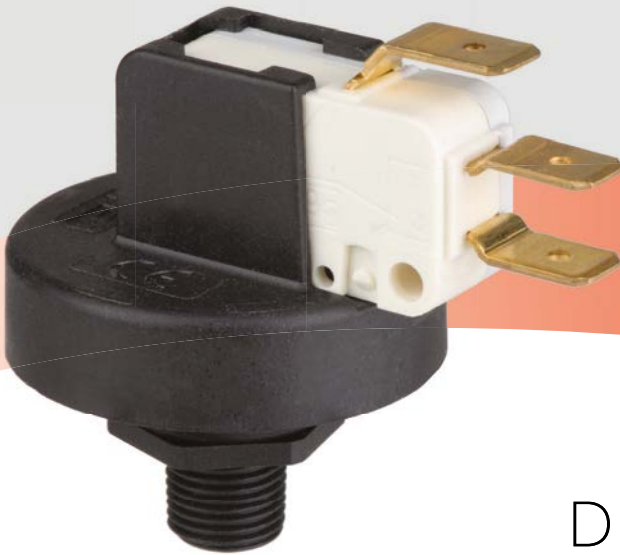
**BRASS**



- Features:
- Heavy-duty design for industrial applications
  - High pressure
  - Long service life and compact design

**INOX**





## DRUCKWÄCHTER **SERIE SL** PRESSURE SWITCHES **SERIES SL**

### Beschreibung

Die kompakten Druckwächter der Serie SL überwachen den Mindestwasserdruck in Heizkesseln für Heizungsanlagen.

### Description

The compact series SL pressure switches monitor the minimum water pressure in boilers for heating systems.

<b>Max. static pressure</b>	6 bar
<b>Fixed operating pressure</b>	0.5 bar (optional 0.4 / 0.3 bar) decreasing
<b>Hysteresis</b>	0,1 ... 0,4 bar
<b>Ambient temperature</b>	-20 °C ... +60 °C
<b>Water temperature</b>	< 90 °C
<b>Voltage</b>	5 Vdc / 24 Vdc - 230 Vac (16 A)
<b>Connection terminal</b>	6.3 x 0.8 mm, RAST 5 or RAST 2.5
<b>Hydraulic inlet</b>	See connections pages 19-20
<b>Degree of protection</b>	IP 00
<b>Weight</b>	~22 g
<b>Storage conditions</b>	Humidity-free and dust-free environment

### Konformität / Conformity

- EN 60730-1, EN 60730-2-6, EN 60730-1:2016/A1:2019
- WRAS-Zulassung für Wasser in Lebensmittelanwendungen.  
WRAS approval for water in food applications.
- Alle unsere Produkte entsprechen der Europäischen Richtlinie (EU) 2017/2102 (RoHS).  
All our products comply with the European Directive (EU) 2017/2102 (RoHS).



### Typenschlüssel / Type code

Beispiel / Example:

**SLC H 04D VA 00**

1 Series	2 Type	3 Connection	4 Calibration	5 Microswitch Circuit	6 Custom
SL	C - Heating I - Industrial application A - Food contact	See SP series Type code	XX D - Decreasing XX U - Increasing	D - Switch 3 pins NA - Normally open NC - Normally closed VA - Vertical normally open	00 - Standard 25 - Microswitch (+ connector)





## DRUCKWÄCHTER **SERIE SP** PRESSURE SWITCHES **SERIES SP**

### Beschreibung

Die Druckwächter der Serie SP eignen sich insbesondere für folgende Anwendungen:

- Heizungsanlagen (wandhängende Kessel)
- Klimaanlage
- esselsysteme (Bügelstationen, Kaffeeautomaten, Teppichreiniger, Gartengeräte usw.)
- Industrieanwendungen
- Wasseraufbereitung

Mit der Sonde aus AISI 301 können sie für verschiedene gasförmige und flüssige Medien mit Temperaturen von bis zu 150° C verwendet werden.

Die Druckschalter verfügen über einen einstellbaren Bereich.

Die Druckwächter werden aus verstärkten technischen Polymeren hergestellt.

Durch Ultraschallschweißtechnik entsteht eine gleichmäßige und dauerhafte Verbindung der Komponenten des Produkts ohne Metallverbindungen oder Niete.

### Description

The series SP pressure switches are ideal for the following applications:

- Heating systems (wall-mounted boilers)
- Air conditioning systems
- Boiler systems (ironing stations, automatic coffee machines, carpet cleaners, garden appliances, etc.)
- Industrial applications
- Water treatment

With the AISI 301 probe, they can be used for different types of gaseous and liquid media with temperatures of up to 150° C.

The devices have an adjustable range.

The pressure switches are made of reinforced technical polymers.

The use of ultrasonic welding technology ensures an even and permanent connection of the components of the product without metal joints or rivets.

## Technische Daten / Technical specifications

Plastic housing	Polyarylamide Solvay (also available as IEC 60695-2-12 GWFI approved materials, food approval)			
Membrane	AISI 301			
Microswitch	1 - Approved ENEC 2 - Availability: <b>NO</b> Normally open <b>NC</b> Normally closed <b>DEV</b> Changeover			
Terminals	Fast-on 6,3 x 0,8; RAST 2,5; RAST 5 (electric connections available on request)			
Contacts	AgNi10 (contacts for low voltage signal)			
Degree of protection	IP 00			
Weight	~24 g			
Adjustment range	<b>1° Range</b>	<b>2° Range</b>	<b>3° Range</b>	<b>4° Range</b>
	0,2 ... 1,2 bar	1,0 ... 2,5 bar	1,5 ... 4,0 bar	3,0 ... 6,0 bar
Maximum overload pressure	10 bar			
Temperature of the medium	< 150 °C			
Ambient temperature	-20 °C ... +125 °C			
Electrical data	5 Vdc ... 230 Vdc / 16 A, 250 V			
Service life microswitch	100000 cycles			
Mechanical resistance pressure switch	> 20 bar			
Storage conditions	Humidity-free and dust-free environment			

## Konformität / Conformity

- EN 60730-1, EN 60730-2-6, EN 60730-1:2016/A1:2019
- WRAS-Zulassung für Wasser in Lebensmittelanwendungen.  
WRAS approval for water in food applications.
- Alle unsere Produkte entsprechen der Europäischen Richtlinie (EU) 2017/2102 (RoHS) und der Europäischen Verordnung (EC) 1907/2006 (REACH).  
All our products comply with the European Directive (EU) 2017/2102 (RoHS) and the European Regulation (EC) 1907/2006 (REACH).



## Varianten / Versions

**BRASS**



DRUCKWÄCHTER **SP MESSINGKÖRPER**  
SERIES SP PRESSURE SWITCH **BRASS BODY**

**INOX**



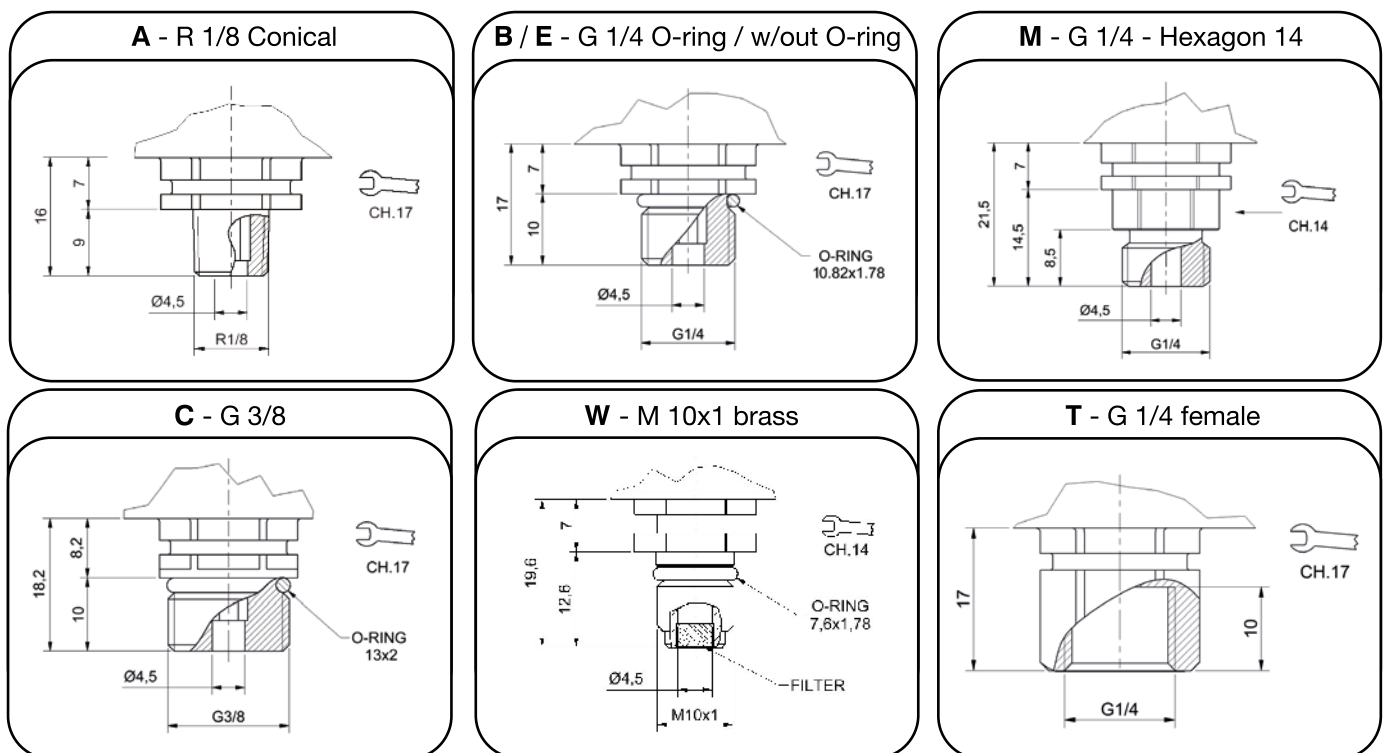
DRUCKWÄCHTER **SP EDELSTAHKÖRPER**  
SERIES SP PRESSURE SWITCH **INOX BODY**

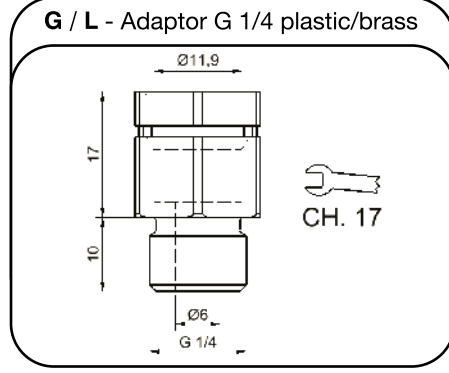
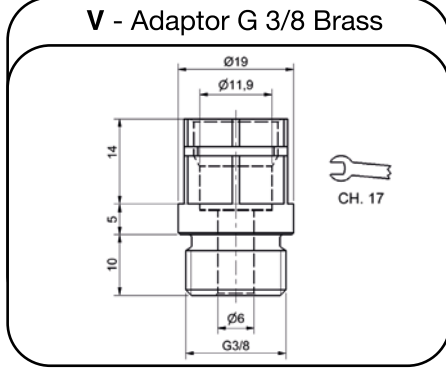
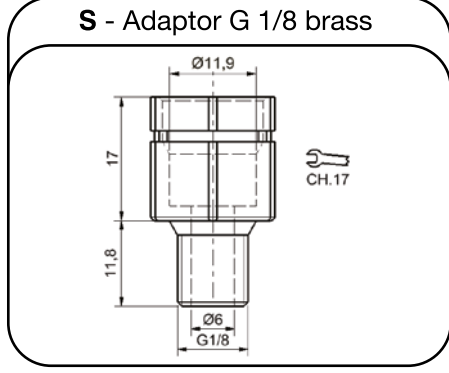
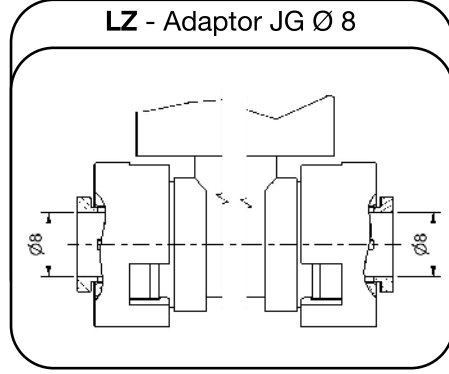
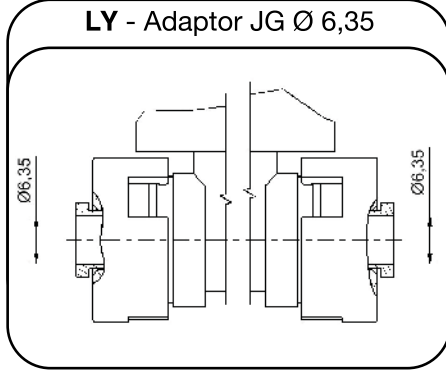
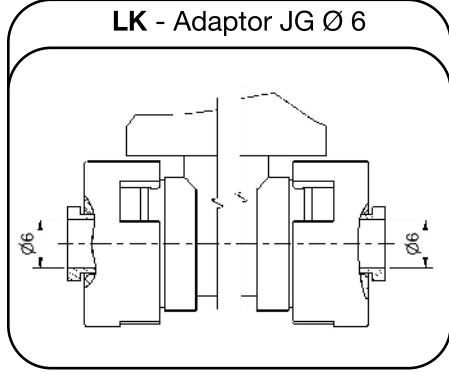
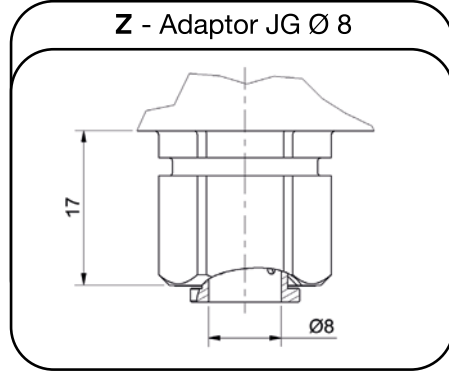
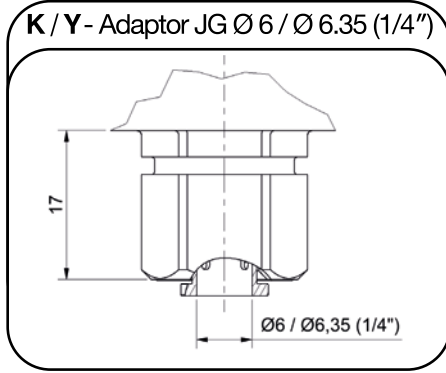
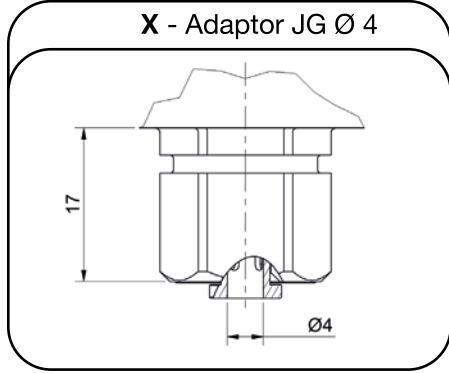
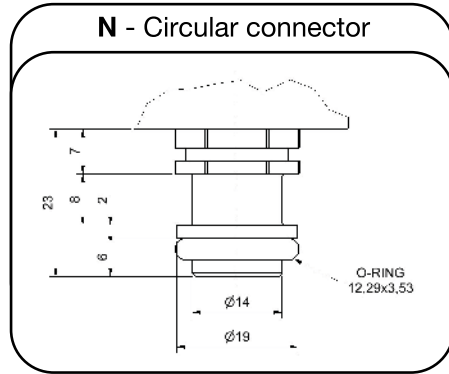
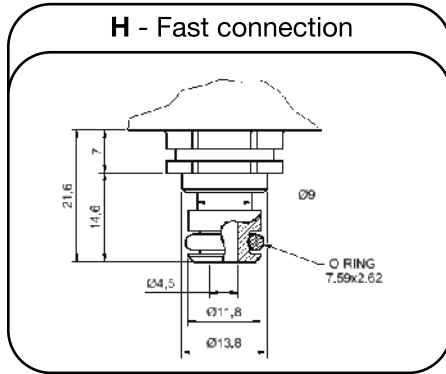
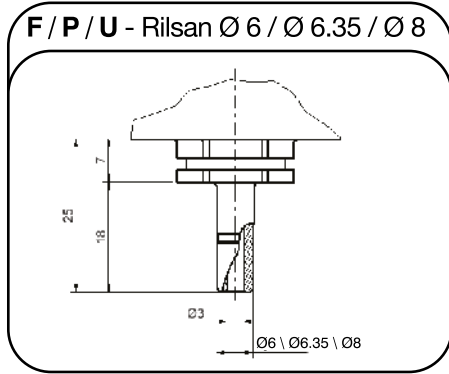
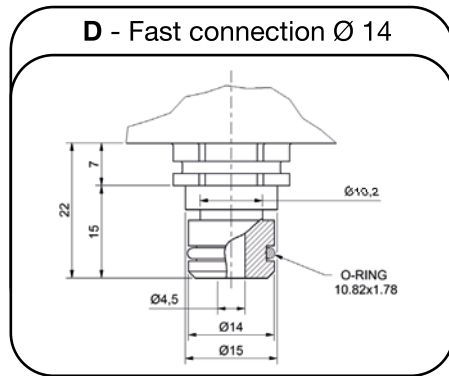
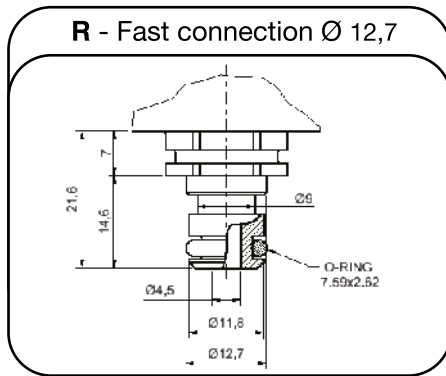
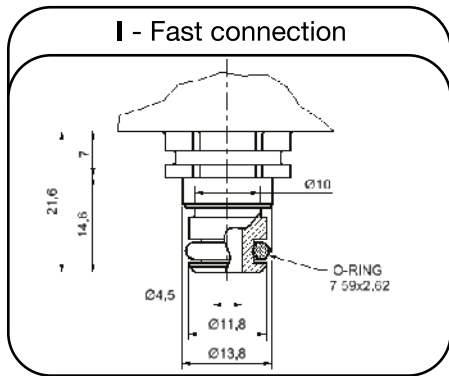
# Typenschlüssel / Type code

Beispiel / Example:  
**SPA B 40U D 00**

1 Series	2 Type	3 Connection	4 Calibration	5 Microswitch Circuit	6 Custom
SP	C - Heating (wall heaters)	A - R 1/8 Conical	XX D - Decresing	D - Switch 3 pins	00 - Standard
	V - Steam	B - G 1/4 + O-ring	XX U - Incresing	NA - Normally open	20 - Microswitch (connection protected)
	I - Industrial applications	C - G 3/8		NC - Normally closed	25 - Microswitch (+ connector)
	A - Food contact	D - Fast connection Ø 14		VA - Vertical normally open	40 - Microswitch (full covered)
	O - Brass	E - G 1/4 without O-ring			42 - Silicon membrane
	S - Inox	F - RILSAN Ø 6			
	R - Manual restart	G - Adaptor G 1/4 plastic			
	L - Linear	H - Fast connection			
		I - Fast connection			
		K - Adaptor John Guest Ø 6,00			
		L - Adaptor G 1/4 brass			
		M - Hex key 14 mm - G 1/4			
		N - Circular connector			
		P - RILSAN Ø 6,35			
		R - Fast connection			
		S - Adaptor G 1/8 brass			
		T - G 1/4 female			
		U - RILSAN Ø 8			
		V - Adaptor G 3/8 brass			
		W - M 10x1 (brass) + O-ring			
		X - Adaptor John Guest Ø 4			
		Y - Adaptor John Guest Ø 6,35			
		Z - Adaptor John Guest Ø 8			

# Hydraulischer Anschluss / Hydraulic connection







## MESSUMFORMER MIT HALL-SENSOR **SERIE T/TM** HALL EFFECT TRANSDUCERS **SERIES T/TM**

### Beschreibung

Die Messumformer der Serien T und TM eignen sich insbesondere für folgende Anwendungen:

- Heizungsanlagen (wandhängende Kessel)
- Klimaanlage
- Kesselsysteme (Dampf)
- Industrieanwendungen
- Wasseraufbereitung

Die Messumformer verwenden einen Hall-Sensor, bei dem ein Magnet auf einen Halbleiter wirkt.

Bei den Messumformern der Serie TM handelt es sich um eine Variante der Serie T mit einem Manometer, das eine Druckanzeige ohne Spannungsversorgung ermöglicht.

Die Messumformer werden aus verstärkten technischen Polymeren hergestellt. Die Sonde besteht aus Edelstahl (AISI 301).

Durch Ultraschallschweißtechnik entsteht eine gleichmäßige und dauerhafte Verbindung der Komponenten des Produkts ohne Metallverbindungen oder Niete.

### Description

The series T and TM transducers are ideal for the following applications:

- Heating systems (wall-mounted boilers)
- Air conditioning systems
- Boiler systems (steam)
- Industrial applications
- Water treatment

The transducers use a Hall effect sensor in which a magnet acts on a semiconductor.

Series TM transducers are a special version of series T transducers which are equipped with a pressure gauge allowing you to read the pressure without a power supply being required.

The transducers are made of reinforced technical polymers with a stainless steel probe AISI 301.

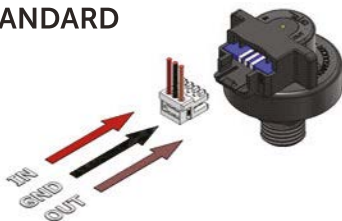
The use of ultrasonic welding technology ensures an even and permanent connection of the components of the product without metal joints or rivets.

## Technische Daten / Technical specifications

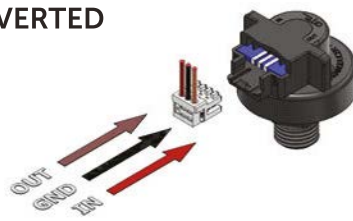
Plastic housing	Polyarylamide Solvay <i>(also available as IEC 60695-2-12 GWFI approved materials, food approval)</i>	
Membrane	AISI 301	
Seal	EPDM, VITON, SILICONE, NBR	
Sensor	Linear programming	
Connector	RAST 2,5 (AMP duoplug type)	
Degree of protection	IP 00	
Weight	~ 23 g	
Operating ranges	0 ... 4 bar / 0 ... 6 bar / 0 ... 10 bar	0 ... 12 bar / 0 ... 20 bar
Overload pressure	≤ 15 bar	≤ 25 bar
Breakdown pressure	> 20 bar	> 30 bar
Fluid temperature	≤ 110 °C	
Environmental temperature	-20 °C ... +85 °C	
Fluid	Liquid, gas, or water containing the usual concentrations and additives for heating circuits and glycols.	
Pressure gauge	Display 0 - 3 bar (only TM serie).	
Supply	5 Vdc; 8 ... 30 Vdc (Available on request with anti-revers diode)	
Output signal (custom output)	0.5 ... 2.5 Vdc / 0.5 ... 3.5 Vdc / 0 ... 3 Vdc / 0.5 ... 4 Vdc / 0.5 ... 4.5 Vdc	
Current consumption	8,5 mA max. (standard) - 10 mA max. (linearized)	
Storage conditions	Humidity-free and dust-free environment	

## Elektrische Anschlüsse / Electrical connections

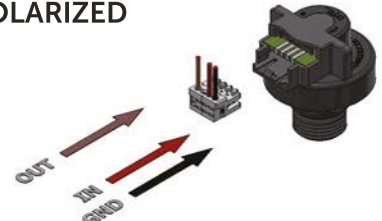
RAST 2.5 -  
STANDARD



RAST 2.5 -  
INVERTED



RAST 2.5 -  
POLARIZED



## Konformität / Conformity

- Elektromagnetische Verträglichkeit (EMV) nach nach Europäischer Richtlinie 2014/30/EU.  
*Electromagnetic Compatibility as per European Directive 2014/30/EU.*
- WRAS-Zulassung für Wasser in Lebensmittelanwendungen.  
*WRAS approval for water in food applications.*
- Alle unsere Produkte entsprechen der Europäischen Richtlinie (EU) 2017/2102 (RoHS) und der Europäischen Verordnung (EC) 1907/2006 (REACH).  
*All our products comply with the European Directive (EU) 2017/2102 (RoHS) and the European Regulation (EC) 1907/2006 (REACH).*



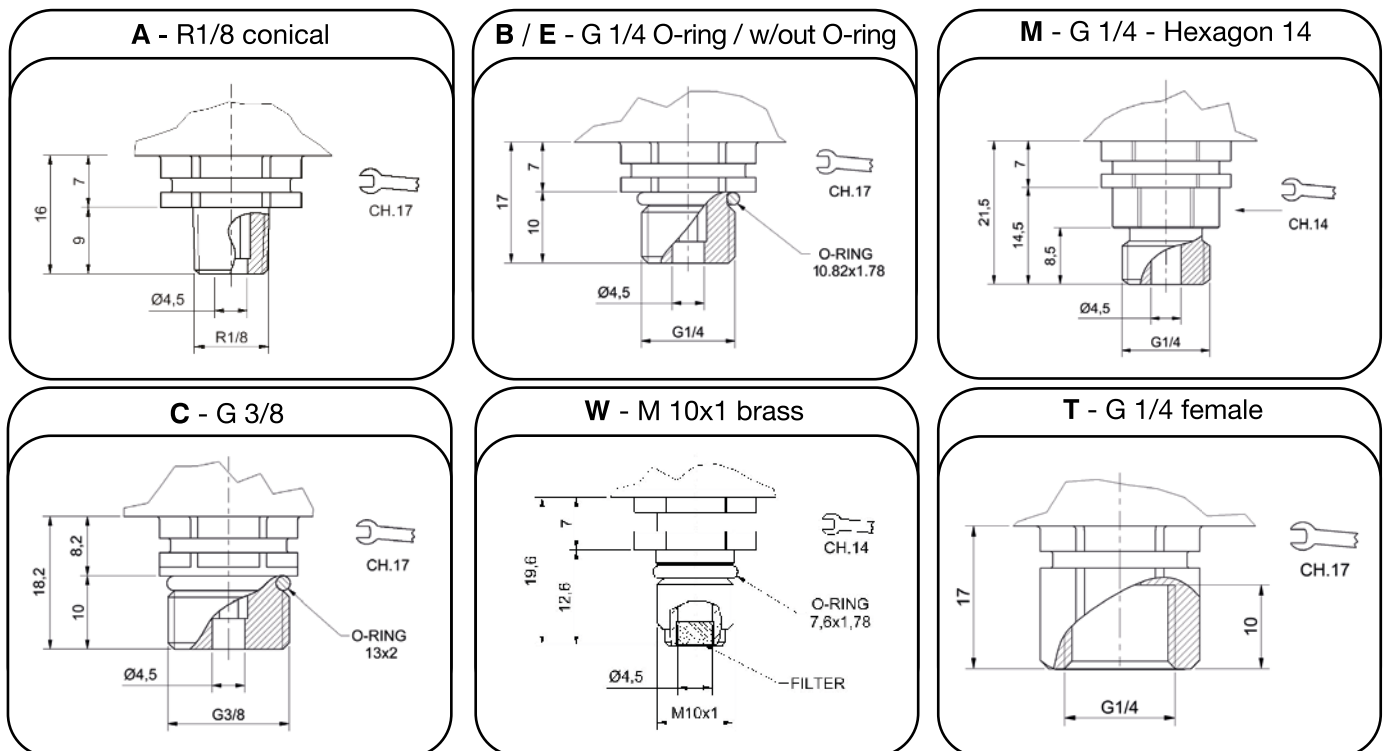
# Typenschlüssel / Type code

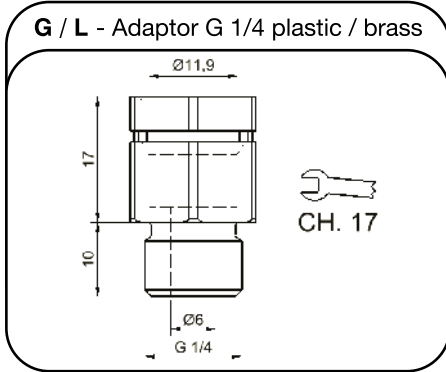
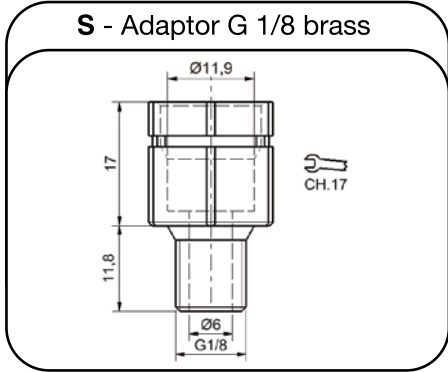
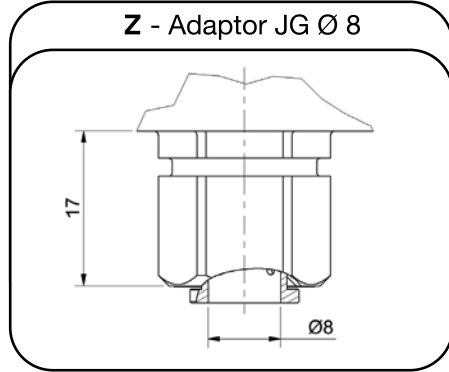
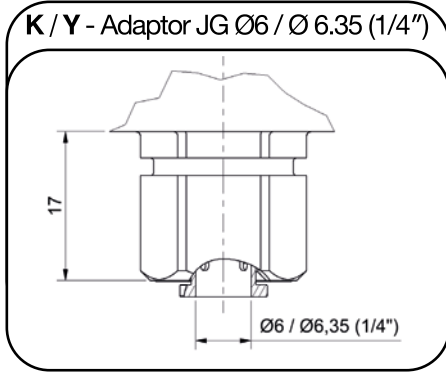
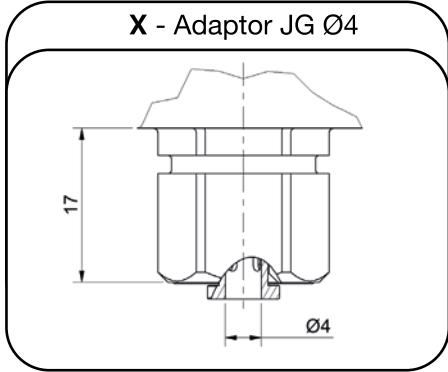
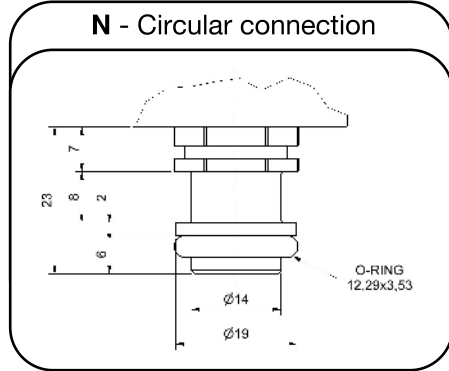
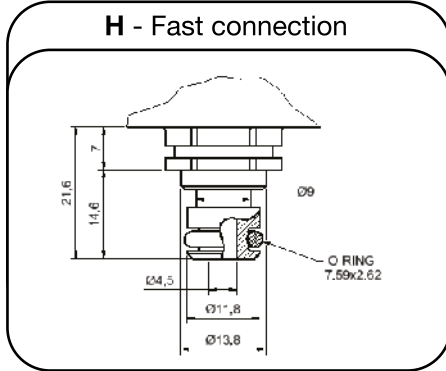
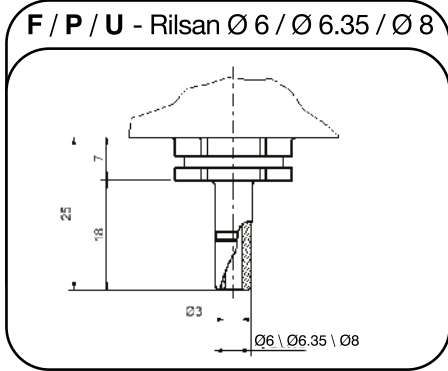
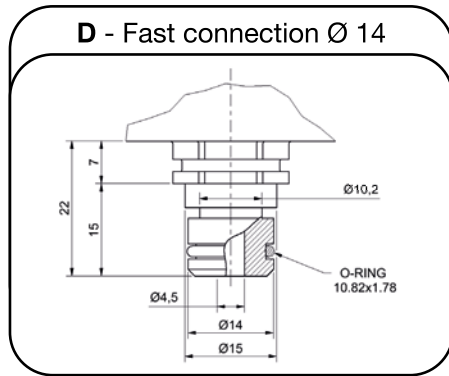
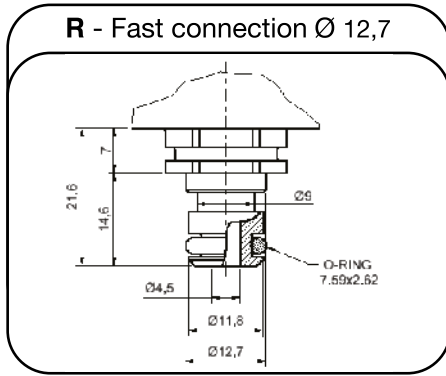
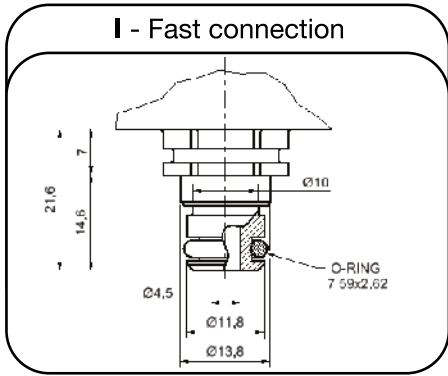
Beispiel / Example:

**T C B A A 00**

1 Series	2 Type	3 Connection	4 Voltage Output	5 Voltage Input	6 Custom
T/TM	C - Heating (wall heaters)	A - R 1/8 Conical	A - 0,5 ... 2,5 Vdc	A - 5 Vdc	00 - Standard 0 ... 4 bar
VE (vacuum)	V - Steam	B - G 1/4 + O-ring	B - 0,5 ... 3,5 Vdc	B - 8 ... 30 Vdc	01 - Input and output inverted
TT	I - Industrial applications	C - G 3/8	C - 0,5 ... 3,0 Vdc		50 - Support / card polarized
	A - Food contact	D - Fast connection Ø 14	D - 0,5 ... 3,5 Vdc linearized		60 - 0 ... 6 bar
	O - Brass	E - G 1/4 without O-ring	E - 0,5 ... 4,0 Vdc linearized		70 - Connection with inlet filter
	S - Inox	F - RILSAN Ø 6	F - 0,5 ... 2,5 Volt linearized		
		G - Adaptor G 1/4 plastic	G - 0,5 ... 4,5 Vdc linearized		
		H - Fast connection	H - 0,5 ... 3,0 Vdc linearized		
		I - Fast connection	I - 0,0 ... 10 Vdc		
		K - Adaptor John Guest Ø 6	L - 0,3 ... 4,8 Vdc linearized		
		L - Adaptor G 1/4 brass	V - 1,125 ... 3,4 Vdc		
		M - Hex key 14 mm - G 1/4			
		N - Circular connector			
		P - RILSAN Ø 6,35			
		R - Fast connection			
		S - Adaptor G 1/8 brass			
		T - G 1/4 female			
		U - RILSAN Ø 8			
		V - Adaptor G 3/8 brass			
		W - M10x1 (brass) + O-ring			
		X - Adaptor John Guest Ø 4			
		Y - Adaptor John Guest Ø 6,35			
		Z - Adaptor John Guest Ø 8			

# Hydraulischer Anschluss / Hydraulic connection







*Transducers with hydraulic connection "John Guest"*

**WATER TREATMENT**



- Features: - Food contact material  
- Long service life and compact design  
- Male and female connections

*Transducers with hydraulic connection "gas thread" and adjustable connection*

**HVAC**



*Transducer with inlet filter.*



- Features: - Male and female gas thread (also with brass adapter) or adjustable connection  
- Different configurations: RAST 2.5 IN-GND-OUT, RAST 2.5 OUT-GND-IN, RAST 2.5 polarised OUT-N-GND-IN  
- Long service life and compact design  
- High and low pressure ranges

*Transducers with pressure gauge, with plastic and brass body*



*Transducers with metal body*





*Hydraulic connections*



*Connection for circulator pump system*





## ATTESTATION OF CONFORMITY TO ELECTROMAGNETIC COMPATIBILITY STANDARDS ATTESTATO DI CONFORMITA' ALLE NORME DI COMPATIBILITA' ELETTROMAGNETICA

**DEKRA**

Attestation number / Attestato numero: 3507070.01\_AoC\_EMC

Issued to / Rilasciata a: GTE Elettromeccanica s.r.l.  
Via Galileo Galilei, 1B  
I - 20875 Burago di Molgora (MB)

Manufacturer / Costruttore: GTE Elettromeccanica s.r.l.  
Via Galileo Galilei, 1B  
I - 20875 Burago di Molgora (MB)

Product Type / Tipo prodotto: Hall Effect Transducer

Model reference / Riferimento Modello: TCHAA00  
TCHBB00

Serial number / Numero di serie: \_\_\_\_\_

Main Specs/Ratings / Dati tecnici/Caratteristiche: Eletech S.r.l. 002596EMC00\_01

Test Report ref. No. / Rapporto di prova Nr.: \_\_\_\_\_

Requirements / Requisiti: EN IEC 61000-6-1: 2019;  
EN 61000-4-2: 2009  
EN 61000-4-3: 2006 +A1:2008 +IS1:2009 +A2:2010  
EN 61000-4-4: 2012

The undersigned declares that the above described product meets the above mentioned attestation of conformity is issued based on the test results as laid down in the referred Test Report. The undersigned does not include an assessment of the manufacturer's production nor of the factory location. *Il sottoscritto dichiara che il prodotto di cui sopra è conforme ai requisiti tecnici in conformità è rilasciato sulla base dei risultati di prova riferiti nel rapporto prova sopra menzionato. include una verifica della produzione di serie né del luogo di produzione.*

Date of issue: 2020-05-29  
Emesso in data: \_\_\_\_\_

*Franco Vasta*  
Executive

DEKRA Testing and Certification S.r.l. a S.U. Via Fratelli Gracchi 27 - T  
Sede operativa di I-23875 Osnago (LC) - Via Martin della Libertà  
e-mail: italy.certification@dekra.com - C.F./P.I. 02894270962 - REA: MI-2033

**CSI**  **ACCREDIA**  
LAB 100001

### RAPPORTO DI PROVA / TEST REPORT

**NUMERO**  
0677\FPM\FDC\22\_1

**DATA DI EMISSIONE**  
08/06/2022

**BUSINESS AREA**  
BA Product Conformity Assessment

**LABORATORIO**  
Food Contact

**IDENTIFICAZIONE E DESCRIZIONE DEL CAMPIONE**  
ASSIEME PRESSOSTATO serie SPA:  
Raccordo 07-0012; Membrana 05-0001; O-ring 06-0005

**CLIENTE**  
GTE ELETTROMECCANICA SRL  
PIAZZA G. LA PIRA, 24  
20851 LISSONE (MB)

**NORMA DI RIFERIMENTO**  
D.P.R. 777 del 23 Agosto 1982 e D.L. 108 del 25 Gennaio 1992; D.M. 34 del 21.3.73 S.O. GU n° 104 del 20/04/73 e succ. agg. e mod.  
Regolamento (EU) n. 10/2011, GIUE L 12 del 15/01/2011 e successivi aggiornamenti.  
DM 174/2004 Lgs n. 31/2001  
UNI EN 1186 1+15:2003 (il riferimento alla parte specifica della norma tecnica viene riportato nella descrizione della prova)

Pag. 1 di/of 11

CSI S.p.A. a socio unico  
SOCIETA' AD ATTIVITA' DI ORDINE  
CORRENTO DI BANCHE Gruppo S.p.A. REA MI 1466310  
R.I./C.F./P.I. 11560160151  
Cap. Soc. € 1.040.000 Sede legale  
Italia | 20030 Senago (MI) | Cascina Traversagna 21  
direzioni-csielegalmi.it | info@csi-spa.com | www.csi-spa.com





# Notizen / Notes

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---





  
MADE in ITALY



**GTE Elettromeccanica S.r.l.** - Via del Commercio, 62/64 - 20882 Bellusco (MB)  
Tel. +39 039 2874265 Fax +39 039 2877205  
P.IVA / Cod. Fisc. 06506590964 - Capitale Sociale 80.000 i.v.  
[www.gteelettromeccanica.com](http://www.gteelettromeccanica.com) - email: [info@gteelettromeccanica.com](mailto:info@gteelettromeccanica.com)