● PRESSURE TRANSMITTER

ECT 8472/8473

INUDSTRIAL PRESSURE TRANSMITTERS

trafag sensors controls

c UL us LISTED



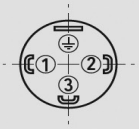
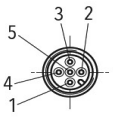
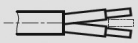
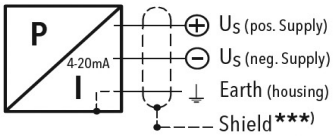
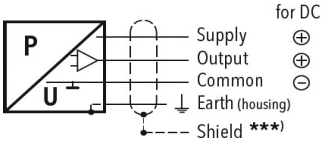
คุณสมบัติ

- **ECT-8472-SERIES/ ECT-8473-SERIES Industrial Pressure Transmitter เป็นเซนเซอร์วัดแรงดันสำหรับงานอุตสาหกรรม ทำหน้าที่แปลงค่าแรงดันของของเหลวหรือก๊าซให้เป็นสัญญาณไฟฟ้า**
- **Supply Voltage : 9-32 VDC**
- **Analog Output** ให้เลือกใช้งาน 4-20 mA , 0-10 VDC เป็นต้น
- **วัสดุหลักของสินค้า** โครงสร้างทำมาจาก SUS316L หรือ Titanium
- **อุตสาหกรรมและเครื่องจักรที่เหมาะสมต่อการใช้งาน** เครื่องจักรกลโรงงาน, ระบบไฮดรอลิก, เครื่องจักรอุตสาหกรรม, ระบบบำบัดน้ำ, ระบบท่อแรงดัน
- ช่วงแรงดันที่สามารถวัดได้และความละเอียดในการวัด
  - วัดแรงดันตั้งแต่ -1-1 bar, -1-30 bar จนถึงสูงสุด 0-400 bar (หรือ -14-5000 psi)
  - ความแม่นยำในการวัด ±0.5% ของช่วงการวัด

ข้อมูลทางเทคนิค

Measuring principle	Thick-film-on-ceramic	Accuracy @ 25°C typ.	± 0.5 % FS typ.
Measuring range	-1 ... 1, 0 ... 1, -1 ... 30 bar	Media temperature	-25°C ... +125°C 400 bar/5000 psi: -10°C ... +125°C
Output signal	4 ... 20 mA, 0 ... 5 VDC, 1 ... 6 VDC, 0 ... 10 VDC, 0.5 ... 4.5 VDC ratiom.	Ambient temperature	max. -25°C ... + 125°C (UL-rated ambient temperature: -20°C ... +80°C) 400 bar/5000 psi: -10°C ...+125°C details see section Electrical Connection
NLH @ 25°C (BSL) typ.	± 0.2 % FS typ.		

การต่อใช้งาน

		Protection / electrical connection						
		IP65*)	IP67*)			IP68 max. 3m	IP68 max. 3 m	IP68 max. 3 m
		Industrial standard EN175301-803A **)	M12x1 **) 5-pole			Cable**)	Cable **)	Cable **)
		05	**35**			**22**	**24**	**08**
								
Ambient temperature		-25°C ... +125°C	-25°C ... +125°C			-5°C ... +60°C	-20°C ... +70°C	-20°C ... +125°C
UL-rated ambient temperature		-20°C ... +80°C	-20°C ... +80°C			-5°C ... +60°C	-20°C ... +70°C	-20°C ... +80°C
Output signal	 8472.xx.xxxx.xx.19 8473.xx.xxxx.xx.19	Standard 2 1 ⏚	**92** 1 2 ⏚	Standard 4 1 5	**94** 1 3 5	**G9** 1 3 4	**H1** 1 2 5	white brown yellow	white brown yellow	red black green
	 8472.xx.xxxx.xx.14/16/17/23	Standard 2 3 1 ⏚	**98** 3 1 2 ⏚	**97** 1 3 2 ⏚	**E8** 2 4 3 5	**E8** 1 3 2 5		white green brown yellow	white green brown yellow	red white black green

*) Provided female electrical plug is mounted according to instructions

**) Ventilation via male electric plug/cable end

***) Only cable versions or female electrical plug with shield connection

การสั่งซื้อสินค้า (Standard products)

Product No.	Type Code	Pressure range [bar]	Over pressure max. [bar]	Signal output	Supply [VDC]
ECT-1 +1A	8472.21.5717.05...19.44.58.61.L9.T2.01	-1...+1	3.2	4...20 mA	9...30
ECT-1 +30A	8472.29.5717.05...19.58.44.61.T2	-1...+30	60	4...20 mA	9...30
ECT1.0A	8473.24.5417.05...19.58.44.61.L9.T2	0 ... 1	3.2	4...20 mA	9...30

การสั่งซื้อ

8472 / 8473. XX XX XX XX XX XX

Measuring range [1]	Pressure measurement range [bar]	Over pressure [bar]	Burst pressure [bar]	
	-1...1.0	3.2	4.8	**21**
	0...1.0	2	3	**24**
	-1...30	60	90	**29**

Sensor				
	Relative pressure, Material pressure connection and housing: 1.4305 (AISI303)	**57**	Absolute pressure, Material pressure connection and housing: 1.4305 (AISI303) [3]	**87**
	Relative pressure, Material pressure connection and housing: 1.4404/1.4435 (AISI316L) [4]	**59**	Absolute pressure, Material pressure connection and housing: 1.4404/1.4435 (AISI316L) [3] [4]	**89**
	Relative pressure, Material pressure connection and housing: 1.4462 (AISI318LN) [4]	**52**	Absolute pressure, Material pressure connection and housing: 1.4462 (AISI318LN) [3] [4]	**82**
	Relative pressure, titanium grade 5 [4]	**53**	Absolute pressure, titanium grade 5 [3] [4]	**83**

Pressure connection		
	G1/4" female	**10**
	G1/4" male	**17**
	G1/2" male DIN3852-A [4]	**21**
	G1/2" male DIN3852-E [4]	**41**
	G1/2" male DIN3852-E, with inner cone [4] [13] [15]	**59**
	1/4" NPT male, ANSI B1.20.1 [4]	**30**
	1/8" NPT male, ANSI B1.20.1 [11]	**43**
	7/16"-20UNF-2A male, SAE J1926-3 (Light Duty) [4] [7]	**42**
	7/16"-20UNF male, DIN3866 [3]	**18**
	7/16"-20UNF female, SAE J512 with valve opener [3]	**24**
	7/16"-20UNF female, SAE J512 without valve opener [3]	**44**
	9/16"-18UNF-2A male, SAE J1926-3 (Light Duty), seal: accessory 61 [4] [7] [14]	**61**
	R1/4" male, DIN3858	**19**

Electrical connection		
	Male electrical connector EN 175301-803-A (DIN 43650-A), Mat. PA	**05**
	Male electrical connector M12x1, 5-pole, Mat. PBT	**35**
	Cable PUR (Screwed cable gland PA 6-3), -20°C ... +70°C [5] [6]	**24**
	Cable PVC (Screwed cable gland PA 6-3), -5°C ... +60°C [5] [6] [9]	**22**
	Cable Raychem (Screwed cable gland PA 6-3), -20°C ... +100°C [5] [6] [9]	**08**

การสั่งซื้อ (ต่อ)

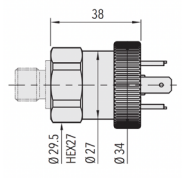
8472 / 8473. XX XX XX XX XX XX

Output signal	**Signal output**	**Load resistance**	**I (supply)**	**U (supply)**	
	4 ... 20 mA	(Usupply-9 V) / 20 mA	(= signal output)	9 ... 30 VDC	**19**
	0 ... 5 VDC	≥ 2.5 kΩ	≤ 20 mA	10 ... 30 VDC	**14**
	1 ... 6 VDC	≥ 5.0 kΩ	≤ 20 mA	10 ... 30 VDC	**16**
	0 ... 10 VDC	≥ 5.0 kΩ	≤ 20 mA	15 ... 30 VDC	**17**
	0.5 ... 4.5 VDC ratiometric	≥ 5.0 kΩ	≤ 20 mA	5 VDC ± 0.25 VDC ratiom.	**23**

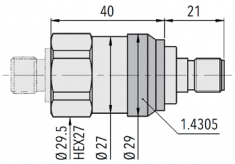
Accessories	Seal FKM (-20°C ... +125°C)	**61**
	Seal CR ≤ 100 bar (-25°C ... +100°C) [8]	**62**
	Seal EPDM (-25°C ... +125°C)	**63**
	Pressure peak damping element ø 1.0 mm, material 1.4305 [10]	**40**
	Pressure peak damping element ø 0.4 mm, material 1.4305 (sensors 57, 87) resp. 1.4404 (sensors 52, 53, 59, 82, 83, 89) [10]	**44**
	Female electrical plug EN 175301-803-A (DIN43650-A)/NBR, -40°C ... +90°C, for cable diameter 4 … 9 mm, flammability standard UL94-V0	**46**
	Female electrical plug EN 175301-803-A (DIN 43650-A)/silicone, -40°C ... +125°C, for cable diameter 4 … 9 mm, flammability standard UL94-V0	**56**
	Female electrical plug EN 175301-803-A (DIN43650-A)/NBR, -40°C ... +90°C, for cable diameter 4 … 9.5 mm, flammability standard UL94-V2	**58**
	Female electrical plug M12x1, 5-pole	**33**
	Special electrical connection: Pin 1 +, Pin 2 - (only for output signal 4 ... 20 mA and male electrical connector EN175301-803-A / DIN43650-A)	**92**
	Special electrical connection: Pin 1 Out , Pin 2 -, Pin 3 + (only for output 14, 16, 17, 23 and male electrical connctor EN175301-803-A / DIN43650-A)	**98**
	Special electrical connection: Pin 1 + , Pin 2 -, Pin 3 Out (only for output signals 14, 16, 17, 23 and male electrical connector EN 175301-803-A / DIN 43650-A)	**97**
	Special electrical connection: Pin 1 +, Pin 3 -, Pin 5 Ground (only for output signal 4 ... 20 mA and male electrical connector 35, M12x1, 5-pole)	**94**
	Special electrical connection: Pin 1 +, Pin 3 -, Pin 4 Ground (only for output signals 19 and male electrical connector 35, M12x1, 5-pole)	**G9**
	Special electrical connection: Pin 1 +, Pin 2 -, Pin 5 Ground (only for output signals 19 and male electrical connector 35, M12x1, 5-pole)	**H1**
	Special electrical connection: Pin 1 +, Pin 3 Out, Pin 2 -, Pin 5 Ground (only for output signals 14, 16, 17, 23 and male electrical connector 35, M12x1, 5-pole)	**E8**
	Cable length 1.5 m	**1M**
	Cable length 3.0 m	**3M**
	Cable length 5.0 m	**5M**
	Housing nut for electrical connection EN175301-803-A (DIN43650-A) secured with Loctite (max. 85°C)	**L9**
	Multiple packaging [12]	**VM**
	UL-listed version	**UL**

[1] Extended overpressure as well as customized pressure ranges upon request, see table "Customised measuring ranges"
[2] Media -10°C ... +125°C
[3] max. 40 bar
[4] Upon request
[5] Cable length see accessories (max. length 50 m, in 5-meter sections)
[6] IP68-rated protection: Immersion depth max. 3 m, Media +10°C … +35°C
[7] Measuring range max. 350 bar according to SAE J1926-3 (Light Duty)
[8] Only for pressure connections 10, 30, 43, 18, 24, 44, 19
[9] Pressure ranges > 16 bar (Pressure ranges ≤ 16 bar upon request)
[10] Not for pressure connections 10, 18, 24, 44
[11] Only for sensors 59 and 89 and electrical connections 35 (others on request)
[12] The order quantity must be a multiple of 50, only for electrical connections 05 and 35
[13] Only for sensors 52 and 82
[14] Only for sensors 59 and 89
[15] max. 60 bar / overpressure 120 bar

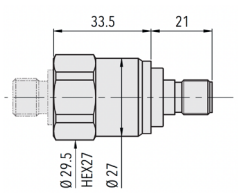
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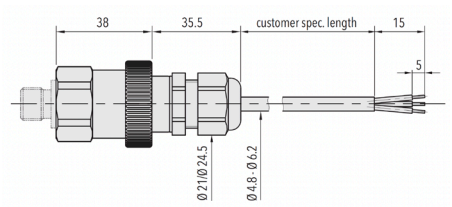
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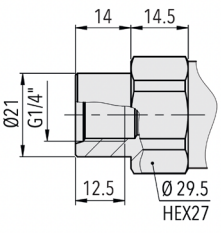


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8472.XX.X**942.35**.XX.XX

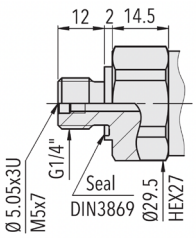


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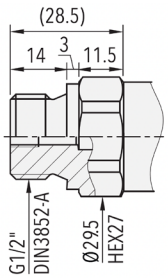
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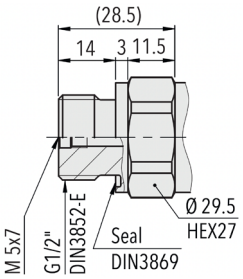
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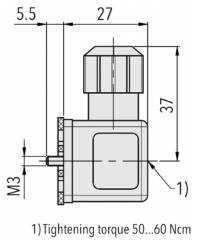
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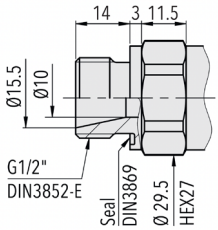
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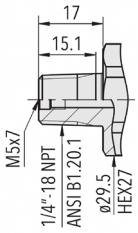
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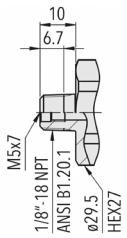
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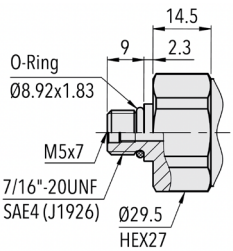
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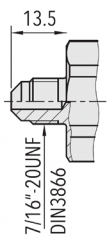
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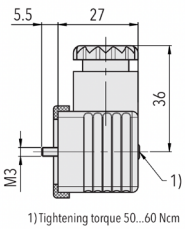
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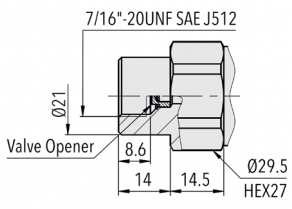
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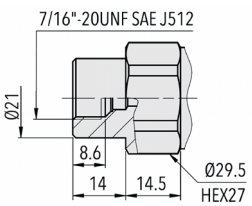
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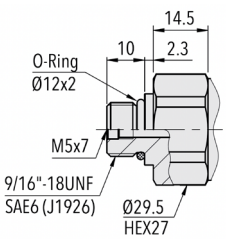
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8473.XX.XXXX.XX.XX.**58**



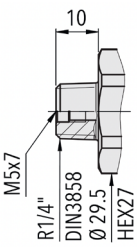
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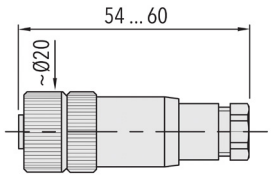
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8472.XX.XX**61**.XX.XX.XX



8472.XX.XX**19**.XX.XX.XX



8472.XX.XXXX.XX.XX.**33**