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Data Sheet 401020

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JUMO MIDAS H20 HP

OEM Pressure Transmitter - High Pressure

Applications

- Mobile hydraulics, such as forklifts, harvesters, and construction machinery
- Injection molding machines
- Laundry/cleaning systems
- Welding machines
- Industrial hydraulics

Brief description

The pressure transmitter is used for measuring the pressure of liquid and gaseous media. The product is based on the thin-film measuring principle. The measured pressure is converted into an electrical standard signal of voltage or current and is output via various electrical connections. These include connector variants such as M12, Deutsch DT, Metri-Pack, or AMP. An attached cable and the cable socket are also available.

ECE type approval is available for applications such as those required in mobile hydraulics.

The high degree of resistance to vibration and shock, combined with the high insulation voltage guarantees reliable operation even in difficult conditions. The compact design type of the pressure transmitter provides greater spatial freedom in its use.



Type 401020 with Metri-Pack connector variant



Type 401020 with AMP connector variant

Special features

- Measuring ranges from 100 to 1000 bar
- Temperature ranges from -40 to +125 °C
- Compact design type from 35 mm in lenath
- Electric strength of AC 500 V
- Protection types up to IP69K
- ECE type approval

Customer benefits

- Impervious to pressure peaks
- Highly resistant to shock and vibration
- Robust product design
- Standard connector variants available
- Can be used in harsh conditions thanks to mechanical and electrical stability
- Welded sensor technology ensures long-term tightness against leaks
- Standardization
- Protection against leaks of oil or other measuring media thanks to high bursting strength
- High accuracy even when used in fluctuating temperature conditions
- Compact design type saves space

Approvals and approval marks



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Technical data

General Information

Reference conditions	DIN 16086 and DIN EN 60770
Sensor	
Measuring principle	Thin-film technology
Admissible load changes	> 10 million
Mounting position	Any
Calibration position	Device upright, process connection at the bottom

Measuring range and accuracy

Measuring range	asuring range Linearity ^a Accuracy at							
		20 °C ^d	-10 to +85 °C	-20 to +100 °C ^e	stability ^b	capacity ^c	pressure	
bar	% MSP ^f	% MSP	% MSP	% MSP	% MSP	bar	bar	
					per year			
0 to 100 bar relative pressure	0.5	0.7	1	1.5	≤ 0.2	200	500	
0 to 160 bar relative pressure	0.5	0.7	1	1.5		320	800	
0 to 200 bar relative pressure	0.5	0.7	1	1.5		400	1000	
0 to 250 bar relative pressure	0.5	0.7	1	1.5		500	1250	
0 to 350 bar relative pressure	0.5	0.7	1	1.5		700	1750	
0 to 400 bar relative pressure	0.5	0.7	1	1.5		800	2000	
0 to 600 bar relative pressure	0.5	0.7	1	1.5		1200	3000	
0 to 1000 bar relative pressure	1	1.2	1.5	2		1500	3000	

Linearity according to limit point setting b Reference conditions EN 61298-1

с All pressure transmitters are vacuum proof.

d Includes: linearity, hysteresis, repeatability, deviation of measuring range initial value and measuring range end value

е Includes: linearity, hysteresis, repeatability, deviation of measuring range initial value and measuring range end value, thermal effect on measuring range start and measuring span

f MSP = measuring span

Output

Analog output								
Current	4 to 20 mA, two-wire							
Voltage	DC 0.5 to 4.5 V, three-wire, ratiometric output 10 to 90 % of the voltage supply							
	DC 0 to 10 V, three-wire							
	DC 1 to 5 V, three-wire							
	DC 1 to 6 V, three-wire							
Step response T ₉₀	≤ 3 ms							
Burden								
Current	$R_L \leq (U_B\text{-}10 \text{ V}) \div 0.02 \text{ A} (\Omega)$ at 4 to 20 mA, two-wire							
Voltage	$R_L \ge 20 \ k\Omega$ at DC 0.5 to 4.5 V, three-wire							
(burden connected to "0 V/S-")	$R_L \ge 10 \text{ k}\Omega$ at DC 0 to 10 V, three-wire							
	$R_L \ge 10 \text{ k}\Omega$ at DC 1 to 5 V, three-wire							
	$R_L \ge 10 \text{ k}\Omega$ at DC 1 to 6 V, three-wire							

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Mechanical features

Material	
Process connection	Stainless steel 304 ^a
Membrane	Stainless steel 630
Housing	Stainless steel 304
Attached cable	PBT-GF30, PVC, PE
Round plug M12 × 1	PBT-GF30
Metri-Pack	PBT-GF30
Line socket	PBT-GF30, PA, silicone
Deutsch DT04	PBT-GF30
AMP Superseal	PBT-GF30
Weight	55 g with process connection G 1/4 and round plug M12 × 1

а Process transmitters with procecc connections G 1/4 and 7/16-20 UNF-2A are supplied with an FKM seal. Ensure the medium durability of the seal material!

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Environmental influences

Medium temperatures for electrical connection	
Attached cable	-40 to +125 °C
	-40 to +125 °C
Round plug M12 × 1	
Metri-Pack	-40 to +125 °C
Line socket	-40 to +125 °C
AMP Superseal	-40 to +125 °C
Deutsch DT04	-40 to +125 °C
Ambient temperatures for electrical connection	
Attached cable	-30 to +100 °C At ambient temperature of -30 °C restricted function; only use when stationary, risk of cable break
Round plug M12 × 1	-40 to +100 °C
Metri-Pack	-40 to +100 °C
Line socket	-40 to +100 °C
AMP Superseal	-40 to +100 °C
Deutsch DT04	-40 to +100 °C
Storage temperatures for electrical connection	
Attached cable	-30 to +100 °C
Round plug M12 × 1	-40 to +100 °C
Metri-Pack	-40 to +100 °C
Line socket	-40 to +100 °C
AMP Superseal	-40 to +100 °C
Deutsch DT04	-40 to +100 °C
Admissible humidity	-40 10 + 100 °C
	100 % rol, humidity including condensation on the dayles outer case
Operation	100 % rel. humidity including condensation on the device outer case
Storage	90 % rel. humidity without condensation
Admissible mechanical load	
Vibration resistance	20 g at 10 to 2000 Hz, according to IEC 60068-2-6
Shock resistance	50 g for 11 ms, 500 g for 1 ms, according to IEC 60068-2-27
Electromagnetic compatibility (EMC)	
Interference emission	Class A ^a , according to EN 61326-2-3
	UN ECE R10
Interference immunity	Industrial requirement, according to EN 61326-2-3
	UN ECE R10
Insulation voltage	AC 500 V
Protection type for electrical connection	According to EN 60529
Attached cable	IP67/69K
Round plug M12 × 1	IP67
Metri-Pack	IP67
Line socket	IP65
AMP Superseal	IP67
Deutsch DT04	IP67
a . The superior duration and so the history of the second s	

^a The product is only suitable for industrial use.

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Electrical data

Voltage supply U _B ^a							
4 to 20 mA, two-wire	DC 10 to 30 V, rated voltage supply DC 24 V						
DC 0.5 to 4.5 V, three-wire	-wire DC 4.5 to 5.5 V, rated voltage supply DC 5 V, ratiometric output 10 to 90 % of the voltage supply						
DC 0 to 10 V, three-wire	DC 12 to 30 V, rated voltage supply DC 24 V						
DC 1 to 5 V, three-wire	DC 9 to 30 V, rated voltage supply DC 24 V						
DC 1 to 6 V, three-wire	DC 9 to 30 V, rated voltage supply DC 24 V						
Current consumption incl. load							
4 to 20 mA, two-wire	≤ 25 mA						
DC 0.5 to 4.5 V, three-wire	≤ 10 mA						
DC 0 to 10 V, three-wire	\leq 5 mA						
DC 1 to 5 V, three-wire	\leq 5 mA						
DC 1 to 6 V, three-wire	\leq 5 mA						
Reverse voltage protection							
4 to 20 mA, two-wire	Yes						
DC 0.5 to 4.5 V, three-wire	No						
DC 0 to 10 V, three-wire	Yes						
DC 1 to 5 V, three-wire	Yes						
DC 1 to 6 V, three-wire	Yes						
Electrical circuit	SELV						
Requirements	The device must be equipped with an electrical circuit that meets the requirements of EN 61010-1 with regard to "Limited-energy circuits".						

a Residual ripple: the voltage peaks must not exceed or fall below the specified voltage supply values!

Approvals and approval marks

EAC	
Testing agency	«Промтехконтроль»
Certificates/certification numbers	ЕАЭС N RU Д-DE.PA01.B.80830/21
Inspection basis	TR TS 020/2011
Valid for	Туре 401020
UL	
Testing agency	Underwriters Laboratories
Certificates/certification numbers	E201387
Inspection basis	UL 61010-1 (3. Ed.), CAN/CSA-22.2 No. 61010-1 (3. Ed.)
Valid for	Type 401020 in connection with extra code 061
E24	
Testing agency	NSAIO (National Standards Authority of Ireland)
Certificates/certification numbers	E24 10R-051971
Inspection basis	UN ECE R10
Valid for	Туре 401020

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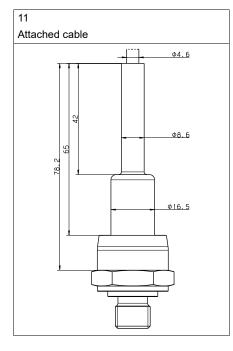


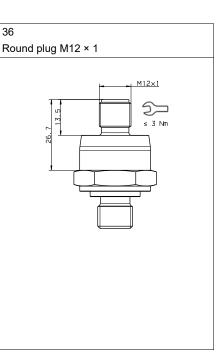
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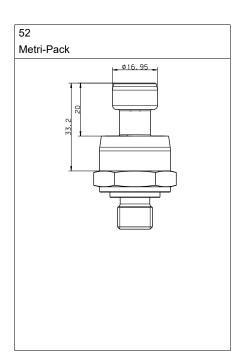
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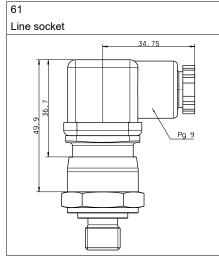
Dimensions

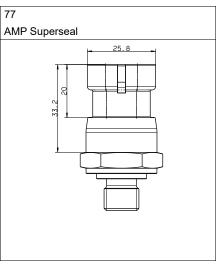
Electrical connection

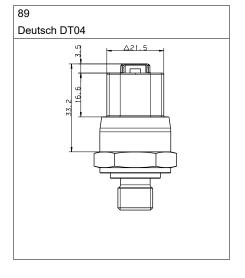




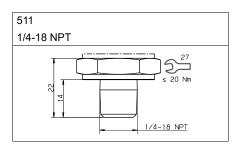


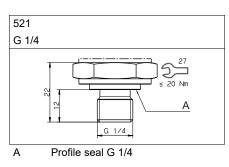


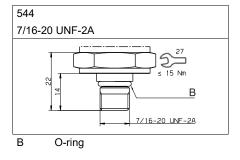




Process connection







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Connection diagram

The connection diagram in the data sheet provides preliminary information about the connection options. For the electrical connection, only use the installation instructions or the operating manual. The knowledge and the correct technical compliance with the safety information and warnings contained in these documents are mandatory for mounting, electrical connection, and startup as well as for safety during operation.

Connection		Terminal assignment (figure: Connection to the pressure transmitter)										
			3 4 1				(A B)					
		Attached ca- ble	Round plug M12 × 1	Metri-Pack	Line socket	AMP Superseal	Deutsch DT04					
4 to 20 mA, two-wire												
Voltage supply DC 10 to 30 V	U _B /S+ 0 V/S-	WH BN	1 3	B A	1 2	3 1	A B					
DC 0.5 to 4.5 V, ratiometric												
Voltage supply DC 4.5 to 5.5 V Ratiometric output 10 to 90 % of the voltage supply	U _B 0 V/S- S+	WH BN GN	1 2 3	B A C	1 2 3	3 1 2	A B C					
DC 0 to 10 V, three-wire		1		1	1	1						
Voltage supply DC 12 to 30 V	U _B 0 V/S- S+	WH BN GN	1 2 3	B A C	1 2 3	3 1 2	A B C					
DC 1 to 5 V, three-wire DC 1 to 6 V, three-wire												
Voltage supply DC 9 to 30 V	U _B 0 V/S- S+	WH BN GN	1 2 3	B A C	1 2 3	3 1 2	A B C					
Functional bonding conductor FB ^a	<i>.</i>	-	4	C ^b		2 ^c	Cc					

b Only for two-wire

Colour coding: connecting cable round plug M12 × 1	1 BN	Brown
	2 WH	White
	3 BU	Blue
	4 BK	Black
The colour coding is only valid for A-coded standard cables!		

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Order details

401020 JUMO MIDAS H20 HP – OEM pressure transmitter – high pressure (2) Basic type extension 000 none (3) Input (measuring range) 464 0 to 100 bar relative pressure 465 0 to 100 bar relative pressure 511 0 to 200 bar relative pressure 466 0 to 250 bar relative pressure 477 0 to 350 bar relative pressure 4767 0 to 400 bar relative pressure 4767 0 to 400 bar relative pressure 4767 0 to 400 bar relative pressure 4768 0 to 600 bar relative pressure 4769 0 to 1000 bar relative pressure 4769 0 to 1000 bar relative pressure 489 0 to 1000 bar relative pressure 412 0.5 to 4.5 V, three-wire 412 0.5 to 4.5 V, three-wire 413 1 to 5 V, three-wire 414 1 to 5 V, three-wire 412 0.5 to 4.5 V, three-wire 413 1 to 5 V, three-wire 420 1 to 6 V, three-wire 511 1/4-18 NPT according to DIN 8837		(1)	Basic type
000 none (3) Input (measuring range) 464 0 to 100 bar relative pressure 465 0 to 160 bar relative pressure 511 0 to 200 bar relative pressure 466 0 to 250 bar relative pressure 467 0 to 400 bar relative pressure 468 0 to 600 bar relative pressure 469 0 to 1000 bar relative pressure 469 0 to 1000 bar relative pressure 4169 0 to 1000 bar relative pressure 420 1 to 600 bar relative pressure 412 0.5 to 4.5 V, three-wire 413 1 to 5 V, three-wire 414 1 to 5 V, three-wire 418 1 to 5 V, three-wire 420 1 to 6 V, three-wire 511 1/4-18 NPT according to DIN EN 837 521 G 1/4 according to DIN 3852-11 ⁴ 544 7/16-20 UNF-2A ^b (6) Process connection material 20 CrNi (stainless steel) (7) Electrical connection	401020		JUMO MIDAS H20 HP – OEM pressure transmitter – high pressure
(3) Input (measuring range) 464 0 to 100 bar relative pressure 465 0 to 160 bar relative pressure 511 0 to 200 bar relative pressure 466 0 to 250 bar relative pressure 466 0 to 250 bar relative pressure 467 0 to 400 bar relative pressure 468 0 to 600 bar relative pressure 469 0 to 1000 bar relative pressure 469 0 to 1000 bar relative pressure 409 0 to 1000 bar relative pressure 410 0utput 411 0.5 to 4.5 V, three-wire 412 0.5 to 4.5 V, three-wire 413 1 to 5 V, three-wire 414 1 to 5 V, three-wire 420 1 to 6 V, three-wire 421 1 to 6 V, three-wire 422 1 to 6 V, three-wire 433 1 to 7 V, three-wire 444 1 to 7 V, three-wire 451 1 to 6 V, three-wire 452 G 1/4 according to DIN 8352-11 ^a 544 7/16-20 UNF-2A ^b (6) Process connection m		(2)	Basic type extension
464 0 to 100 bar relative pressure 465 0 to 160 bar relative pressure 511 0 to 200 bar relative pressure 466 0 to 250 bar relative pressure 466 0 to 250 bar relative pressure 467 0 to 350 bar relative pressure 468 0 to 400 bar relative pressure 468 0 to 600 bar relative pressure 469 0 to 1000 bar relative pressure 469 0 to 1000 bar relative pressure 999 Special measuring range for relative pressure 405 4 to 20 mA, two-wire 412 0.5 to 4.5 V, three-wire, ratiometric 413 1 to 5 V, three-wire 414 1 to 5 V, three-wire 420 1 to 6 V, three-wire 420 1 to 6 V, three-wire 511 1/4-18 NPT according to DIN 8837 521 G 1/4 according to DIN 8852-11 ^a 544 7/16-20 UNF-2A ^b (6) Process connection material 20 CrNi (stainless steel) (7) Electrical connection	000		none
465 0 to 160 bar relative pressure 511 0 to 200 bar relative pressure 466 0 to 250 bar relative pressure 517 0 to 350 bar relative pressure 467 0 to 400 bar relative pressure 468 0 to 600 bar relative pressure 469 0 to 1000 bar relative pressure 469 0 to 1000 bar relative pressure 999 Special measuring range for relative pressure 410 0 utput 412 0.5 to 4.5 V, three-wire 413 1 to 5 V, three-wire 414 1 to 5 V, three-wire 420 1 to 6 V, three-wire 420 1 to 6 V, three-wire 421 1 to 6 V, three-wire 422 1 to 6 V, three-wire 423 1 to 6 V, three-wire 444 1 to 6 V, three-wire 521 G 1/4 according to DIN EN 837 521 G 1/4 according to DIN S852-11ª 544 7/16-20 UNF-2A ^b (6) Process connection material 20 CrNi (stainless steel) (7) Electri		(3)	Input (measuring range)
511 0 to 200 bar relative pressure 466 0 to 250 bar relative pressure 517 0 to 350 bar relative pressure 467 0 to 400 bar relative pressure 468 0 to 600 bar relative pressure 469 0 to 1000 bar relative pressure 999 Special measuring range for relative pressure 405 4 to 20 mA, two-wire 412 0.5 to 4.5 V, three-wire, ratiometric 418 1 to 5 V, three-wire 420 1 to 6 V, three-wire 420 1 to 6 V, three-wire 511 1/4-18 NPT according to DIN 8837 521 G 1/4 according to DIN 3852-11 ^a 524 T/16-20 UNF-2A ^b	464		0 to 100 bar relative pressure
466 0 to 250 bar relative pressure 517 0 to 350 bar relative pressure 467 0 to 400 bar relative pressure 468 0 to 600 bar relative pressure 469 0 to 1000 bar relative pressure 999 Special measuring range for relative pressure 405 4 to 20 mA, two-wire 412 0.5 to 4.5 V, three-wire, ratiometric 413 0 to 10 V, three-wire 414 1 to 5 V, three-wire 415 0 to 10 V, three-wire 416 1 to 5 V, three-wire 417 1 to 6 V, three-wire 418 1 to 5 V, three-wire 420 1 to 6 V, three-wire 511 1/4-18 NPT according to DIN EN 837 521 G 1/4 according to DIN 3852-11 ^a 521 G 1/4 according to DIN 3852-11 ^a 544 7/16-20 UNF-2A ^b (6) Process connection material 20 CrNi (stainless steel) (7) Electrical connection	465		0 to 160 bar relative pressure
517 0 to 350 bar relative pressure 467 0 to 400 bar relative pressure 468 0 to 600 bar relative pressure 469 0 to 1000 bar relative pressure 999 Special measuring range for relative pressure 405 4 to 20 mA, two-wire 412 0.5 to 4.5 V, three-wire, ratiometric 418 1 to 5 V, three-wire 420 1 to 6 V, three-wire 420 1 to 6 V, three-wire 511 1/4-18 NPT according to DIN EN 837 521 G 1/4 according to DIN 3852-11 ^a 544 7/16-20 UNF-2A ^b (6) Process connection material 20 CrNi (stainless steel) (7) Electrical connection	511		0 to 200 bar relative pressure
467 0 to 400 bar relative pressure 468 0 to 600 bar relative pressure 469 0 to 1000 bar relative pressure 999 Special measuring range for relative pressure 405 4 to 20 mA, two-wire 412 0.5 to 4.5 V, three-wire, ratiometric 415 0 to 10 V, three-wire 418 1 to 5 V, three-wire 420 1 to 6 V, three-wire 511 1/4-18 NPT according to DIN EN 837 521 G 1/4 according to DIN 3852-11 ^a 544 7/16-20 UNF-2A ^b (6) Process connection material 20 CrNi (stainless steel) (7) Electrical connection	466		0 to 250 bar relative pressure
468 0 to 600 bar relative pressure 469 0 to 1000 bar relative pressure 999 Special measuring range for relative pressure (4) Output 405 4 to 20 mA, two-wire 412 0.5 to 4.5 V, three-wire, ratiometric 415 0 to 10 V, three-wire 418 1 to 5 V, three-wire 420 1 to 6 V, three-wire 511 1/4-18 NPT according to DIN EN 837 521 G 1/4 according to DIN 3852-11 ^a 544 7/16-20 UNF-2A ^b (6) Process connection material 20 CrNi (stainless steel) (7) Electrical connection	517		0 to 350 bar relative pressure
469 0 to 1000 bar relative pressure 999 Special measuring range for relative pressure (4) Output 405 4 to 20 mA, two-wire 412 0.5 to 4.5 V, three-wire, ratiometric 413 0 to 10 V, three-wire 414 1 to 5 V, three-wire 418 1 to 5 V, three-wire 420 1 to 6 V, three-wire 511 1/4-18 NPT according to DIN EN 837 521 G 1/4 according to DIN 3852-11 ^a 544 7/16-20 UNF-2A ^b (6) Process connection material 20 CrNi (stainless steel) (7) Electrical connection	467		0 to 400 bar relative pressure
999 Special measuring range for relative pressure (4) Output 405 4 to 20 mA, two-wire 412 0.5 to 4.5 V, three-wire, ratiometric 415 0 to 10 V, three-wire 418 1 to 5 V, three-wire 420 1 to 6 V, three-wire 420 1 to 6 V, three-wire 511 1/4-18 NPT according to DIN EN 837 521 G 1/4 according to DIN 3852-11 ^a 544 7/16-20 UNF-2A ^b (6) Process connection material 20 CrNi (stainless steel) (7) Electrical connection	468		0 to 600 bar relative pressure
(4) Output 405 4 to 20 mA, two-wire 412 0.5 to 4.5 V, three-wire, ratiometric 415 0 to 10 V, three-wire 418 1 to 5 V, three-wire 420 1 to 6 V, three-wire 511 1/4-18 NPT according to DIN EN 837 521 G 1/4 according to DIN 3852-11 ^a 544 7/16-20 UNF-2A ^b 60 Process connection material 20 CrNi (stainless steel) (7) Electrical connection	469		0 to 1000 bar relative pressure
405 4 to 20 mA, two-wire 412 0.5 to 4.5 V, three-wire, ratiometric 415 0 to 10 V, three-wire 418 1 to 5 V, three-wire 420 1 to 6 V, three-wire 511 1/4-18 NPT according to DIN EN 837 521 G 1/4 according to DIN 3852-11 ^a 544 7/16-20 UNF-2A ^b (6) Process connection material 20 CrNi (stainless steel) (7) Electrical connection	999		Special measuring range for relative pressure
412 0.5 to 4.5 V, three-wire, ratiometric 415 0 to 10 V, three-wire 418 1 to 5 V, three-wire 420 1 to 6 V, three-wire (5) Process connection 511 1/4-18 NPT according to DIN EN 837 521 G 1/4 according to DIN 3852-11 ^a 544 7/16-20 UNF-2A ^b (6) Process connection material 20 CrNi (stainless steel) (7) Electrical connection		(4)	Output
415 0 to 10 V, three-wire 418 1 to 5 V, three-wire 420 1 to 6 V, three-wire (5) Process connection 511 1/4-18 NPT according to DIN EN 837 521 G 1/4 according to DIN 3852-11 ^a 544 7/16-20 UNF-2A ^b (6) Process connection material 20 CrNi (stainless steel) (7) Electrical connection	405		4 to 20 mA, two-wire
418 1 to 5 V, three-wire 420 1 to 6 V, three-wire (5) Process connection 511 1/4-18 NPT according to DIN EN 837 521 G 1/4 according to DIN 3852-11 ^a 544 7/16-20 UNF-2A ^b (6) Process connection material 20 CrNi (stainless steel) (7) Electrical connection	412		0.5 to 4.5 V, three-wire, ratiometric
420 1 to 6 V, three-wire (5) Process connection 511 1/4-18 NPT according to DIN EN 837 521 G 1/4 according to DIN 3852-11 ^a 544 7/16-20 UNF-2A ^b (6) Process connection material 20 CrNi (stainless steel) (7) Electrical connection	415		0 to 10 V, three-wire
(5) Process connection 511 1/4-18 NPT according to DIN EN 837 521 G 1/4 according to DIN 3852-11 ^a 544 7/16-20 UNF-2A ^b (6) Process connection material 20 CrNi (stainless steel) (7) Electrical connection	418		1 to 5 V, three-wire
511 1/4-18 NPT according to DIN EN 837 521 G 1/4 according to DIN 3852-11 ^a 544 7/16-20 UNF-2A ^b (6) Process connection material 20 CrNi (stainless steel) (7) Electrical connection	420		1 to 6 V, three-wire
521 G 1/4 according to DIN 3852-11 ^a 544 7/16-20 UNF-2A ^b (6) Process connection material 20 CrNi (stainless steel) (7) Electrical connection		(5)	Process connection
544 7/16-20 UNF-2A ^b (6) Process connection material 20 CrNi (stainless steel) (7) Electrical connection	511		1/4-18 NPT according to DIN EN 837
(6) Process connection material 20 CrNi (stainless steel) (7) Electrical connection	521		
20 CrNi (stainless steel) (7) Electrical connection	544		7/16-20 UNF-2A ^b
(7) Electrical connection		(6)	Process connection material
	20		CrNi (stainless steel)
11 Attached cable		(7)	Electrical connection
	11		Attached cable
36 Round plug M12 × 1	36		Round plug M12 × 1
52 Metri-Pack series 150, 3-pin	52		Metri-Pack series 150, 3-pin
61 Line socket DIN EN 175301-803, Form A	61		Line socket DIN EN 175301-803, Form A
77 AMP Superseal, 3-pin	77		AMP Superseal, 3-pin
89 Deutsch DT04, 3-pin	89		Deutsch DT04, 3-pin
(8) Extra code		(8)	Extra code
000 none	000		
061 UL approval ^c	061		UL approval ^c
591 Choke in the pressure channel	591		Choke in the pressure channel
624 Oil and grease free	624		Oil and grease free

а The process connection G 1/4 is only available with measuring range end up to 400 bar.

b The process connection 7/16-20 UNF is only available with measuring range end up to 600 bar.

с The UL approval stipulates use of the pressure transmitter indoors. Special measuring ranges (input) are not allowed to exceed the 1000 bar limit.

	(1)		(2)	_	(3)	_	(4)	_	(5)		(6)		(7)	_	(8)	_
Order code		/		-		-		-		-		-		/		, ^a
Order example	401020	/	000	-	467	-	415	-	521	-	20	-	36	/	000	
2																

а List extra codes in sequence, separated by commas.

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Data Sheet 401020

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Accessories

Designation	Part no.
Line socket, straight, 4-pole, M12 × 1, 2 m	00404585
Line socket, angled, 4-pole, M12 × 1, 2 m	00409334
Line socket, pressure compensation, 4-pole, M12 × 1, 5 m	00512341