

Accessories

Mating plugs, Socket devices and Thread adapters



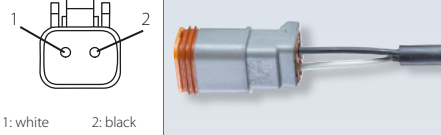
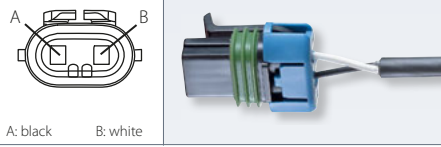
- High-quality accessories
- Developed for our products
- Aligned to our products
- Originals from the manufacturer

Mating plugs

For pressure switches with integrated connector

M.10
Accessories

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Deutsch DT06-2S (for DT04-2P) 2 x 0,5 mm ² Radox cable, IP65	suitable for series 0110 / 0111 0410 / 0411	Article number: 1-1-10-653-118	
Deutsch DT06-3S (for DT04-3P) 3 x 0,75 mm ² PUR cable, IP67	suitable for series 0116 / 0117 / 0136 / 0137 0416 / 0417	Article number: 1-1-36-653-160	
TE AMP Superseal 1.5®, 2-pin 2 x 0,5 mm ² Radox cable, IP65	suitable for series 0112 / 0113 0412 / 0413	Article number: 1-1-12-653-113	
TE AMP Superseal 1.5®, 3-pin 3 x 0,5 mm ² Radox cable, IP65	suitable for series 0132 / 0133	Article number: 1-1-32-653-158	
TE AMP Junior Timer, 2-pin 2 x 0,5 mm ² Radox cable, IP65	suitable for series 0118 / 0119 0418 / 0419	Article number: 1-1-18-653-116	
Packard MetriPack 280, 2-pin 2 x 0,5 mm ² Radox cable, IP65	suitable for series 0114 / 0115 0414 / 0415	Article number: 1-1-14-653-114	
Bayonet DIN 72585 A1-2.1 2 x 0,5 mm ² Radox cable, IP65	suitable for series 0120 / 0121	Article number: 1-1-20-653-112	
M 12x1 DIN EN 61076-2-101-LF, 4-pin 4 x 0,34 mm ² PUR cable, IP65	suitable for series 0122 / 0123 / 0124 / 0125 0134 / 0135 / 0424 / 0425	Article number: 1-1-00-653-162	

All mating plugs with 2 m cable

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Socket devices and protective caps

- IP65 socket devices or IP54 rubber protective caps for increased protection
- Simple installation with plug-in socket devices

			
Rubber protective cap With central cable feed-through for 1.5 - 5 mm cable diameter With rubber protective cap fitted: IP54 Suitable for voltages up to 42 V	Rubber protective cap With two cable feed-throughs for 1.7 - 2,2 mm cable diameter With rubber protective cap fitted: IP54 Suitable for voltages up to 42 V	Rubber protective cap With two cable feed-throughs for 1.7 - 2,3 mm cable diameter With rubber protective cap fitted: IP54 Suitable for voltages up to 42 V	Socket device cCSAus approval Housing: Polyamide PG9 screw fitting (tightening range 6 - 9 mm) With socket device fitted: IP65 Suitable for voltages up to 250 V
suitable for series 0151 / 0163 / 0164 / 0166 0167 / 0168 / 0169	suitable for series 0151 / 0163 / 0164 / 0166 0167 / 0168 / 0169	suitable for series 0170 / 0171 / 0180* / 0181* / 0183* / 0186* / 0187* 0190 / 0191 / 0196 / 0197 (*up to 42 V)	suitable for series 0170 / 0171 / 0180 / 0181 0183 / 0186 / 0187 0190 / 0191 / 0196 / 0197
Article number: 1-1-66-621-010	Article number: 1-1-66-621-003	Article number: 1-1-70-621-007	Article number: 1-1-80-652-002

Socket device to DIN EN 175301-803-A (DIN 43650) PG9 screw fitting (tightening range 6 – 9 mm) terminals for wire cross- sections: 0.34 ... 1.5 mm² (AWG 22 ... AWG 16), tightening torque for terminal screw 0.4 Nm With socket device fitted: IP65 Suitable for voltages up to 250 V	Socket device With indicator lamp to DIN EN 175301-803-A (DIN 43650) PG9 screw fitting (tightening range 6 – 9 mm) terminals for wire cross- sections: 0.34 ... 1.5 mm² (AWG 22 ... AWG 16), tightening torque for terminal screw 0.4 Nm With socket device fitted: IP65 Suitable for voltages up to 24 or 250 V	Socket device M 12x1 DIN EN 61076-2-101 A straight, 4-pin Terminals for wire cross-section 0.75 mm² (AWG 18), tightening torque for terminal screw 0.4 Nm With socket device fitted: IP65 Suitable for voltages up to 48 V	Socket device M 12x1 DIN EN 61076-2-101 A angled, 4-pin Terminals for wire cross-section 0.75 mm² (AWG 18), tightening torque for terminal screw 0.4 Nm With socket device fitted: IP65 Suitable for voltages up to 48 V
suitable for series 0150 / 0161 / 0162 / 0175 0184 / 0185 / 0194 / 0195	suitable for series 0150 / 0161 / 0162 / 0175 0184 / 0185 / 0194 / 0195	suitable for series 0122 / 0123 / 0124 / 0125 0134 / 0135 / 0424 / 0425 and for all transmitters and electronic pressure switches with an M12 connector	suitable for series 0122 / 0123 / 0124 / 0125 0134 / 0135 / 0424 / 0425 and for all transmitters and electronic pressure switches with an M12 connector
Article number: 1-1-84-652-009	Article number: for 24 VDC: 1-1-84-652-011 for 250 VAC: 1-1-84-652-010	Article number: 1-6-00-652-016	Article number: 1-6-00-652-017

Thread adapters

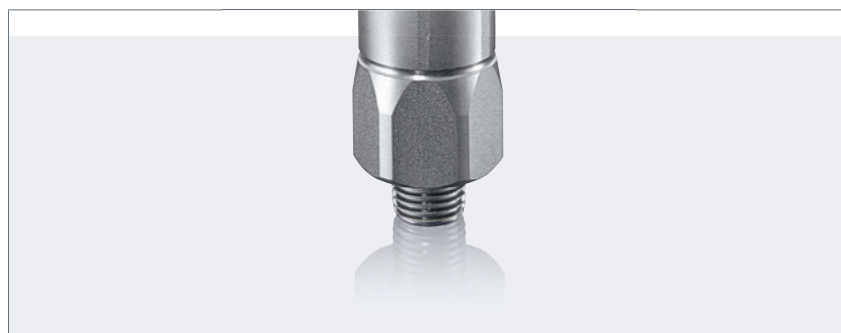
For requirements at short notice and for realising custom solutions

- The materials and shapes of thread adapters are aligned perfectly to our switches and transmitters
- Thread adapters are supplied with seals



For G 1/8 female

Vacuum switch
with thread code 15



For G1/4 DIN EN ISO 1179-1 (DIN 3852-E)

All pressure switches and transmitters
with thread code 41

Dual nipple brass	
G 1/8 shape E DIN EN ISO 1179-2 includes sealing ring NBR	G 1/8 shape A DIN ISO 16030 includes sealing ring stainless steel / NBR
NPT 1/8-27	NPT 1/4-18
hex 15 h = 25 mm	hex 24 h = 28 mm
Article number:	Article number:
1-1-00-420-014	1-1-00-420-029

Thread adapters stainless steel (1.4305 / AISI 303)					
G 1/4 DIN EN ISO 1179-1 (DIN 3852-E) female thread					
M10 x 1 shape A DIN 3852-1	M14 x 1.5 shape E DIN 3852-E includes sealing ring FKM	NPT 1/4-18	NPT 1/4-18	9/16-18UNF includes O-ring FKM	9/16-18UNF includes O-ring FKM
hex 22 h = 30,5 mm	hex 22 h = 35 mm	hex 22 h = 35,5 mm	hex 22 h = 35,5 mm	hex 22 h = 33 mm	hex 22 h = 33 mm
Article number:	Article number:	Article number:	Article number:	Article number:	Article number:
1-1-00-420-020	1-1-00-420-028	1-1-00-420-021	1-1-00-420-021	1-1-00-420-027	1-1-00-420-027

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Accessories



For G1/4

All hex 24 and hex 27 pressure switches with thread code 03



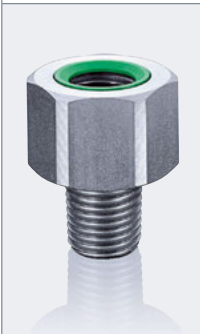
For M14x1.5 ISO 6149-3

Pressure switch series 0183 with thread code 45



For G1/4

All hex 24 and hex 27 pressure switches with thread code 03

Thread adapters zinc-plated steel (CrVI-free)					Adapter Aluminium
G 1/4 female thread includes sealing ring FKM		M14 x 1.5 DIN EN ISO 6149-1 female thread			G 1/4 female thread includes copper sealing ring
					
R 1/4	3/8-24 UNF-2A	G 1/4	M12 x 1.5	NPT 1/8-27	Block style includes NBR O-ring
hex 24 h = 30 mm	hex 24 h = 26 mm	hex 24 h = 26 mm	hex 24 h = 26 mm	hex 24 h = 26 mm	35 A/F h = 22 mm
Article number:	Article number:	Article number:	Article number:	Article number:	Article number:
1-1-00-420-009	1-1-00-420-013	1-1-83-420-006	1-1-83-420-007	1-1-83-420-008	1-1-00-420-025

Order correctly - it's quite simple

Explanation of SUCO article numbers

$p_{\max}$ in bar	Adjustment range in bar	Tolerance at room temperature in bar	Male thread	Article number
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0170 Diaphragm pressure switches with spade terminals

			G 1/4	0170 - 457 03 - X - 003 - YZ
			M 10x1 con.	0170 - 457 01 - X - 001 - YZ
			M 12x1.5 cyl.	0170 - 457 02 - X - 002 - YZ
100 ¹⁾	0.3 - 1.5	± 0.2	NPT 1/8	0170 - 457 04 - X - 318 - YZ
			NPT 1/4	0170 - 457 09 - X - 314 - YZ
			7/16-20 UNF	0170 - 457 20 - X - 301 - YZ
			9/16-18 UNF	0170 - 457 21 - X - 302 - YZ

Article number:

0170 - 457 04 - X - 318 - YZ

The first four digits indicate the type number:

Our example: **Diaphragm pressure switch with spade terminals, type 0170**

By these three digits, the type of construction and the setting range are determined.

Our example: **Overpressure safe up to 100 bar, adjustment range 0.3 - 1.5 bar.**

These two digits provide information about the desired thread.

Our example: **NPT 1/8.**

Important - Code for the seal material:

- 1** = NBR (Buna-N): hydraulic fluid, machine oil, etc.
- 2** = EPDM: water, brake fluid, ozone, acetylene, etc.
- 3** = FKM: hydraulic fluid, petrol/gasoline, etc.
- 4** = ECO (epichlorhydrin): air, oils, fats, fuels (used only in SUCO vacuum switches).
- 5** = EPDM-TW: drinking water (only in diaphragm, $p_{\max} \leq 35$ bar).
- 6** = FFKM: acids, diluted alkalis, ketones, esters, alcohols, fuels and hot water.
- 7** = TPE: hydraulic fluid, water, machine oil, heating oil, etc.
- 8** = Silicone: water, food products, air, etc. (only in diaphragm, $p_{\max} \leq 35$ bar).
- 9** = HNBR: hydraulic / machine oil, ester-based bio-oils.

The last three digits are reserved for further differentiation of the switch.

Our example: **318**

New - Code for the cleaning process (optional):

- C** = Plasma cleaning (e.g. oxygen applications)
- L** = LABS-free (PWIS-free)
- X** = no cleaning process

New - Diameter of the pressure snubber (optional):

- 5** = Pressure snubber $\varnothing 0.5$ mm
- 8** = Pressure snubber $\varnothing 0.8$ mm
- S** = Sinter filter
- X** = no pressure snubber

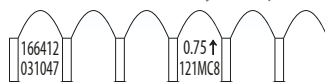
Abbreviated coding explanation is embossed on the hex surface areas of the pressure switches.

Coding or way of short embossment on the switch body. Example: 0166 41203-1-047-C8, adjusted on rising 0.75 bar

Face front side:

SUCO part number, 12-digits
(without leading zero)

0166-41203-1-047



Face back side:

Set point, 1 to 4-digits (optional)

e.g. 0.75 (bar), 1 (bar), 10 (bar), 100 (bar)

Direction of set point, 1-digit (optional)

↑ rising ↓ falling

Cleaning process, 1-digit (optional)

C = Plasma cleaning L = LABS-/PWIS-free
X = no cleaning

Diameter of pressure snubber, 1-digit (optional)

5 = $\varnothing 0.5$ mm 8 = $\varnothing 0.8$ mm
S = Sinter filter X = no pressure snubber

Date of manufacturing (DDDY), 4-digits

Day (D) 000 ... 365, Year (Y) acc. DIN EN 60062

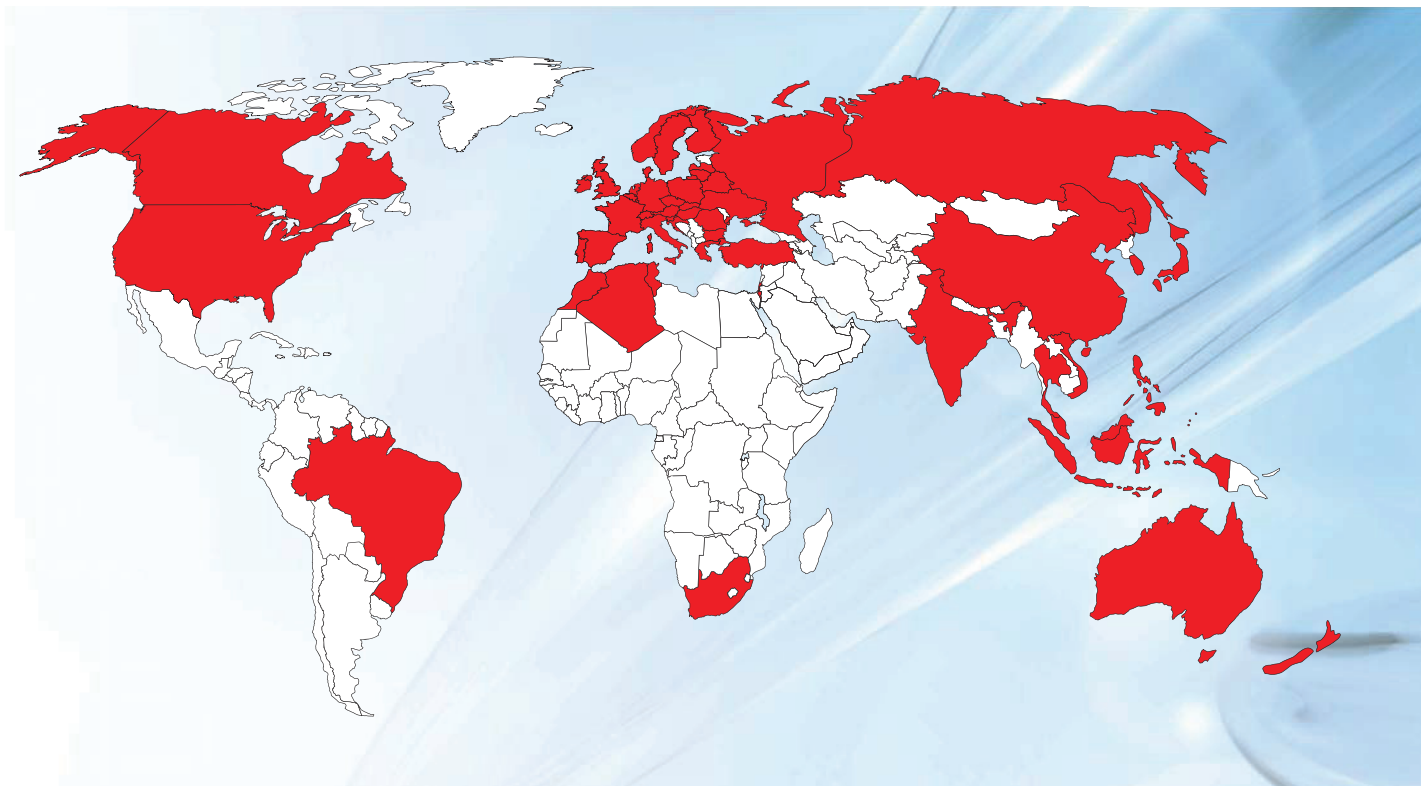
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Pressure Monitoring Systems and Transmission Technology

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