E.6

hex 22

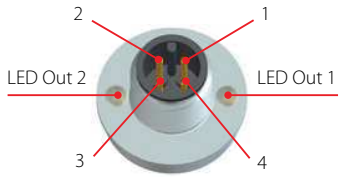
High Performance

2 switching outputs

0540 / 0541 / 0542 / 0544 /0545 / 0546

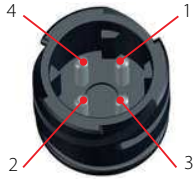
Electrical connectors and threads

M12 – DIN EN 61076 - 2 - 101 A



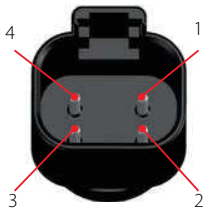
Pin	Assignment
1	Uv+
2	$U_{Out\,2}$
3	Gnd
4	$U_{Out\,1}$
IP67	
x ~ 54 mm	
d ~ Ø 22 mm	
Connection code: 002	

ISO 15170 - A1 - 4.1



Pin	Assignment
1	Uv+
2	Gnd
3	$U_{Out\,1}$
4	$U_{Out\,2}$
IP67, IP6K9K	
x ~ 65 mm	
d ~ Ø 27 mm	
Connection code: 004	

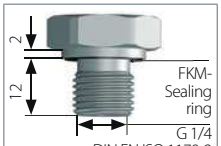
Deutsch DT04 - 4P



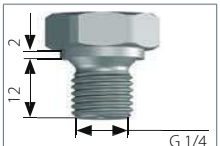
Pin	Assignment
1	Gnd
2	Uv+
3	$U_{Out\,2}$
4	$U_{Out\,1}$
IP67, IP6K9K	
x ~ 74 mm	
d ~ Ø 23 mm	
Connection code: 008	

Cable connection

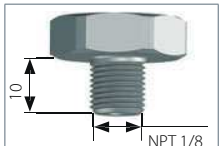
Pin	Assignment
red	Uv+
white	$U_{Out\,2}$
black	$U_{Out\,1}$
blue	Gnd
IP67	
x ~ 44 mm (+ 20 mm bend relief) Cable length ~ 2 m	
d ~ Ø 22 mm	
Connection code: 011	



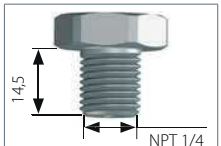
Thread code: 41



Thread code: 03



Thread code: 04



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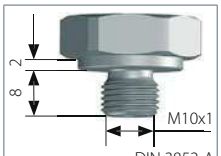
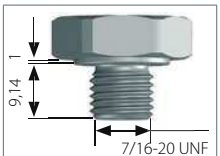
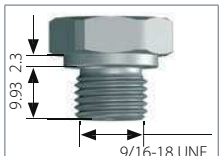


Thread code: 30



Thread code: 20

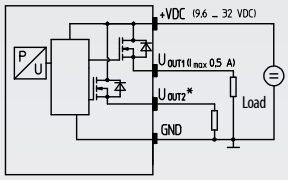


Thread code: 21

Thread code: 42

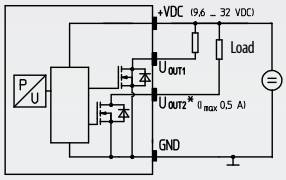
Connection diagrams

High Side Output (PNP)



Pin assignment depending on electrical connections
* U_{OUT2} only for 054x

Low-Side Output (NPN)



Pin assignment depending on electrical connections
* U_{OUT2} only for 054x

Technical modifications and errors excepted.

RoHSII compliant

0540 / 0541 / 0542 / 0544 /0545 / 0546

Article matrix for electronic pressure switches

	Type	Adjustment range	Pressure connection	Pressure unit	Electrical connection

Type

PNP output (High Side), NO / NO	0540
PNP output (High Side), NC / NC	0541
PNP output (High Side), NO / NC	0542
NPN output (Low Side), NO / NO	0544
NPN output (Low Side), NC/ NC	0545
NPN output (Low Side), NO / NC	0546

Max. Overpressure[2]	Burst pressure	Adjustment range[1]	
40 bar	80 bar	0 - 10 bar (approx. 145 PSI)	101
100 bar	200 bar	0 - 25 bar (approx. 362 PSI)	251
400 bar	800 bar	0 - 100 bar (approx. 1.450 PSI)	102
1,000 bar	2,000 bar	0 - 250 bar (approx. 3.620 PSI)	252
1,650 bar	2,000 bar	0 - 600 bar (approx. 8.700 PSI)	602

Pressure connection

G 1/4 – DIN EN ISO 1179-2 (DIN 3852-11), form E	41
G 1/4 – DIN 3852-A	03
NPT 1/8 (max. 250 bar)	04
NPT 1/4	09
M10x1 zyl. DIN 3852-A (max. 250 bar)	30
7/16 – 20 UNF (max. 250 bar)	20
9/16 – 18 UNF	21
M14x1,5 – DIN EN ISO 9974-2 (DIN 3852-11), form E	42

Pressure unit

bar	B

Electrical connection

M12x1 - DIN EN 61076-2-101-A	002
Bayonet ISO 15170-A1-4.1 (DIN 72585-A1-4.1)	004
Deutsch DT04-3P	008
Cable connection (length of cable 2 m standard)	011

Article number:	054X	XXX	XX	B	XXX

[1] Please state switching point and hysteresis when ordering.
[2] Static pressure, dynamic pressure 30 to 50% lower. Values refer to the hydraulic or pneumatic part of the electonic pressure switch.