



- electronic pressure switch
- nominal pressure: from 0...2 bar up to 0...400 bar
- 1 or 2 independent PNP contacts, freely configurable
 - no analogue output signal
- ceramic sensor
- accuracy 1 % span
- configurable via PC or programming device P6
- optional: oil- and fat free version, oxygen application







The electronic pressure switch CCP-K-6 has been designed for universal applications. CCP-K-6 is suitable, among others, for applications in plant and machine engineering, hydraulics, measurement and controls.

The one or two freely programmable contacts whose status is indicated by differently coloured LEDs can be quickly and comfortably configured either by means of the optionally available configuration kit or the programming device P6.

PREFERRED AREAS OF USE ARE



Plant and Machine Engineering



Energy industry



Fuels and oils

TECHNICAL DATA

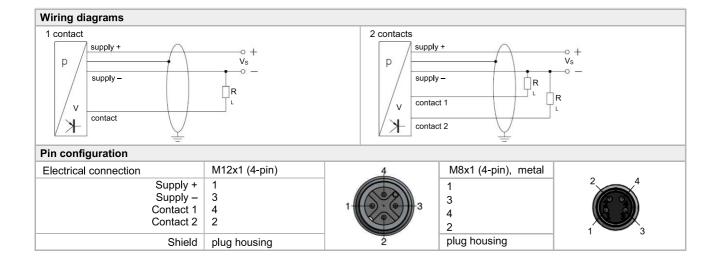
Input pressure range											
Nominal pressure gauge	[bar]	2	5	10	20	50	100	200	400		
Nominal pressure abs.	[bar]	2	5	10	20	50	100	200	400		
Overpressure	[bar]	7	12	25	50	120	250	400	600		
Supply											
Supply voltage V _S		12 30 V _{DC}									
Current consumption		max, 14 mA (without contacts)									
Contacts											
Number		standard: 1 optional: 2									
Туре		PNP									
Switching performance		max. 300 n	nA, short-cird	cuit proof							
Accuracy of contacts		IEC 60770:	: ≤ ±1 % spa	n							
Repeatability		≤ ± 0.2 % s	pan								
Minimum hysteresis of contacts		≤ ± 0.5 % span									
Status indication		SP 1: gree	SP 1: green SP 2: yellow								
Switching function ¹	standard: n/o optional: n/c										
Switching mode ¹ standard: hysteresis mode optional: window mode											
Switch on point ¹		standard: others:		ng 80 % spa order; adjusta		100 % sp	an				
Switch off point 1		standard:	factory setti	ng 75 % spa	n						
Switch on / switch off dela	, 1	others:	off	order; adjusta	ible range 5	100 % sp	an				
Switch on / Switch on delay		others: specify on order, adjustable range from 10 msec up to 90 sec (step 10 msec)									
Switching frequency		200 Hz (without switching delay)									
Switching requeries		> 100 x 10 ⁶									
¹ Parameters can be programi (available as accessories).	med by cu			amming kit CIS	685 / CIS 68	36 or with the p	rogramming de	vice P6			
Thermal effects (Offset a	nd Spar	n) / Permissi	ible tempera	atures							
Thermal error		≤ ± 0.3 % s	pan / 10 K		in c	compensated	I range -25	85 °C			
Permissible temperatures				environment:	-25 85		storage: -40				
Electrical protection							<u> </u>				
Short-circuit protection		permanent									
Reverse polarity protection	1	no damage	, but also no	function							
Electromagnetic compatib				according to	EN 61326						
Mechanical stability	-										
Vibration		10 g RMS	(20 2000	Hz)							
Shock		100 g / 11 i		,							



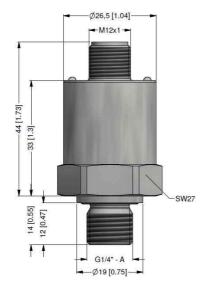


Materials								
Pressure port	stainless steel 1.4305	stainless steel 1.4305						
Housing	stainless steel 1.4305, POM bla	nck						
Seals (media wetted)	P _N < 100 bar: FKM, EPDM	P _N ≥ 100 bar: NBR	other on request					
Diaphragm	ceramic Al ₂ O ₃ 96 %		·					
Media wetted parts	pressure port, seals, diaphragm	pressure port, seals, diaphragm						
Miscellaneous								
Option oxygen application	for $P_N \le 15$ bar: O-ring in 70 EPDM 281 (with BAM-approval); permissible maximum values are 15 bar / 60° C and 10 bar / 90° C for $P_N \le 25$ bar: O-ring in FKM Vi 567 (with BAM-approval); permissible maximum values are 25 bar / 150° C							
Weight	approx. 90 g							
Installation position	onv							
mataliation position	any							
Ingress protection	IP 67							

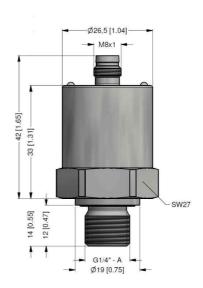
ELECTRICAL CONNECTION



DIMENSIONS



G1/4" DIN 3852 with male plug M12x1



G1/4" DIN 3852 with male plug M8x1



CC-Y--C-722.121

ORDER CODE

	CCP-K-6-	П-П-С	-	[-	— -[
Pressure							
Gauge	6 8 5						
Absolute	6 8 6						
Input [bar]							
02	2 0 0	1					
05	5 0 0	1					
010	1 0 0	2					
020	2 0 0						
050	5 0 0						
0100	1 0 0	3					
0200	2 0 0	3					
0400	4 0 0	3					
Customer	9 9 9	9					
Customer - underpressure	4 0 0 9 9 9 X X X	X					
Number of switching output							
1 switching output		1					
2 switching output		2					
Analogue output							
Without analogue output		0					
Electrical connection							
Connector M 12 x 1 (4-pin) - metal plug			M 1 3				
Connector M 8 x 1 (4-pin) - metal plug			Q 0 0				
Customer			9 9 9				
Mechanical connection							
G 1/4" DIN 3852				3 0 0			
Customer				9 9 9			
Seals							
Viton					1		
EPDM					3		
Customer					9		
Setting code							
Standard ¹					0	0 0	
Customer ¹					9	9 9	
Special version							
Standard						(0 0 0
Oil and grease free							0 0 8
Customer						!	9 9 9
Software for the pressure switch DS 6							
CIS_685-USB-000+ SW for DS 6 and inc							

 $[\]bf 1$ - parameters can be programmed by customer either with the programming kit CIS 680 / CIS 681 or with the programming device P6 (available as accessories).

Manufacturer reserves the right to change sensor specifications without further notice.

