

# PCS Control Stations

IP66

The PCS is a range of cost effective local control stations. Its modular design comprises of four enclosure sizes combined with multiple operators to give maximum flexibility. A range of pre-configured solutions with the most commonly used operators are also available.



## Key Features:

- Universal contact block mounted direct to integral moulded rail
- Corrosion resistant Polyamide housing
- Captive cover screws
- Can be linked to create larger control stations



## Standard Specifications

Ingress Protection	IP66 to EN60529
Enclosure Material	Corrosion resistant Polyamide body and cover, captive stainless steel screws
Operator Material	Corrosion resistant Polyamide
Ambient Temperature	-40°C to +40°C
Terminals	Max 2.5mm <sup>2</sup> conductors
<b>Certification</b>	
Area Classification	Zone 1 & 21, Gas & Dust
Type of Protection	Controller with Ammeter only: Ex e (Increased Safety), Controller with Switches & Indicator Lamps: Ex de (flameproof & increased safety)
Apparatus Coding	Ex e II T6, Ex tD A21 IP66 T80°C Ex de IIC T6, Ex tD A21 IP66 T80°C
Certificate Number	DNV 12 ATEX 13746

## Electrical Data

Operator Type	Push Button, Emergency Stop, Mushroom Head, Key Release Push Button			
Utilization Category	AC12	AC15	DC13	DC13
Max Rated Voltage	250V	250V	110V	24V
Max Rated Current	16A	10A	0.5A	1A
Operator Type	Indicator Lamp			
Utilization Category	AC15		DC13	
Max Rated Voltage	250V		24V	
Max Rated Current	6A		1A	
Operator Type	Illuminated Push Button			
Utilization Category	AC15		DC13	
Max Rated Voltage	240V		24V	
Max Rated Current	6A		1A	



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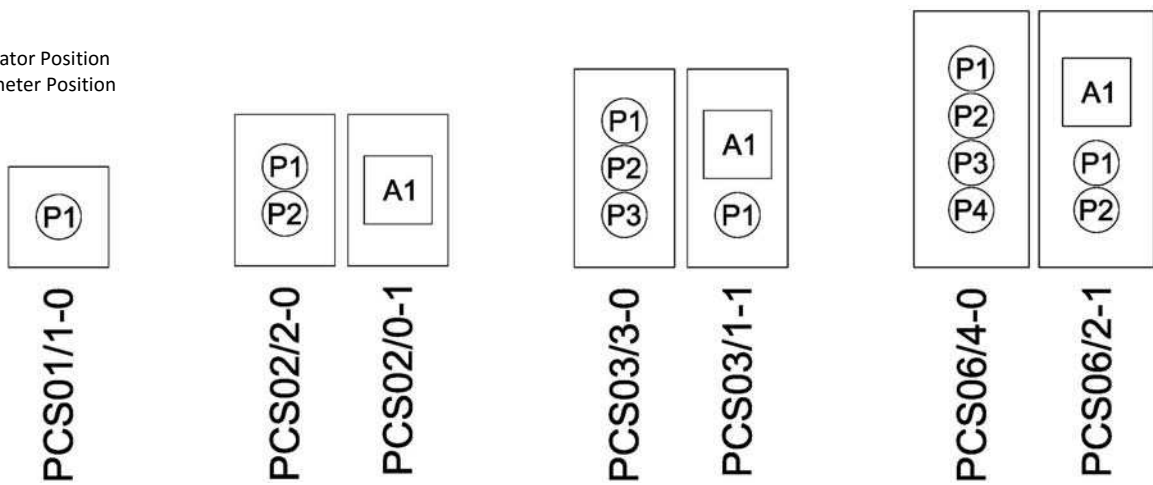
## Configuration Options

Part Number	Dimensions (mm) <i>W x L x D</i>	Fixing Centres (mm) <i>Horizontal/Vertical</i>	Maximum Populations		
			Operators	Ammeters	Both
PCS01	86 x 95 x 76	73 / 58	1 x Op	N/A	N/A
PCS02	86 x 135 x 76	73 / 98	2 x Op	1 x Am	N/A
PCS03	86 x 175 x 76	73 / 138	3 x Op	N/A	1 x Op, 1 x Am
PCS06	100 x 215 x 76	88 / 150	4 X Op	N/A	2 x Op, 1 x Am

Max Cable Entries*	Top Side (A)			Bottom Side (C)		
	M20	M25	M32	M20	M25	M32
PCS01	1	1	N/A	1	1	N/A
PCS02	1	1	N/A	1	1	N/A
PCS03	1	1	N/A	1	1	N/A
PCS06	2	2	1	2	2	1

\* Entry sizes indicate suitable gland size and are clearance holes not threaded entries

Px = Operator Position  
A1 = Ammeter Position



## Accessories

PCSEP-1	Single M20 gland earth plate for PCS01/02/03	
PCSEP-2	Single M25 gland earth plate for PCS01/02/03	
PCSEP-3	Single M32 gland earth plate for PCS06	
PCSEP-4	Double M25 gland earth plate for PCS06	
PCSEP-5	Double M20 gland earth plate for PCS06	
PCSEP-6	Earthing point for PCS01/02/03 (plastic glands)	
PCSLC-1	Push button locking cover	

## Ordering Information for Custom Control Stations

### Example Order Code:

PCS06/4-0

P1 = LG 7G1

P2 = P1 70 03

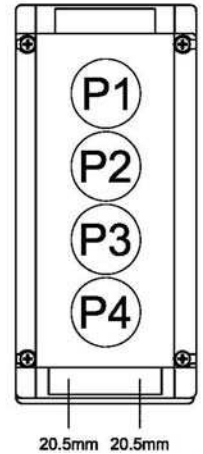
P3 = LR 7R1

P4 = P1 70 23

ENTRIES = 2 x 20.5mm bottom side

PCS06 control station (100x215x77mm), fitted with:

- 1 off Green indicator lamp (standard supply voltage)
- 1 off Momentary pushbutton, 1NC/1NO contacts, green "ON" label insert
- 1 off Red indicator lamp (standard supply voltage)
- 1 off Momentary pushbutton, 1NC/1NO contacts, red "OFF" label insert
- 2 off 20.5mm entries in bottom side of enclosure



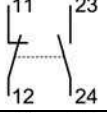

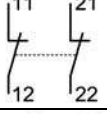
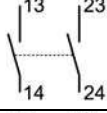
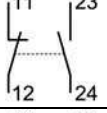

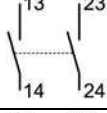

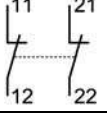
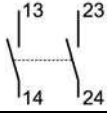
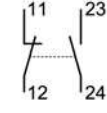

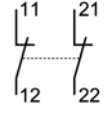
PCS [ ] / [ ]





Layout configuration required (see available layouts)

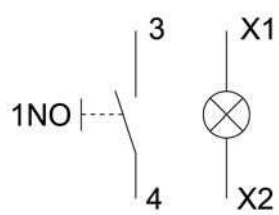
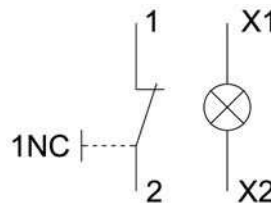
Enclosure size (01, 02, 03 or 06)

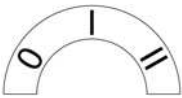
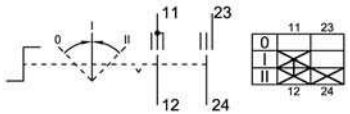

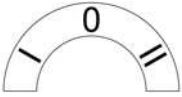
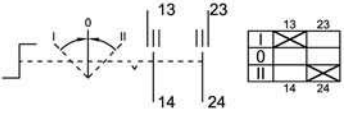
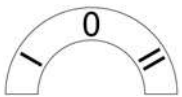
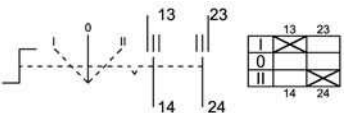
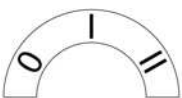
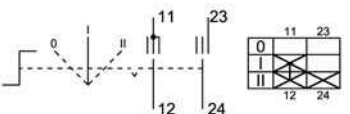
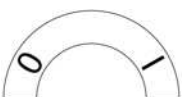
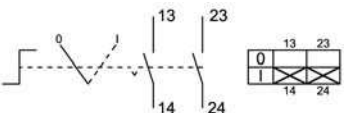

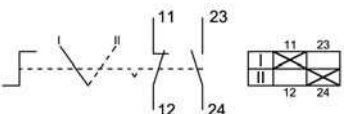
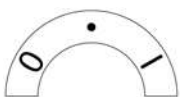
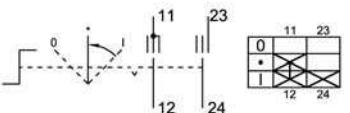
## Individual Operators, Switches and Ammeters


Part Code		Part Description	Contact Configuration	Typical Part Image					
PCS	COP160xx	P1 Push button, 1NC/1NO contacts	 1NC/1NO						
PCS	COP161xx	P1 Push button, 2NC contacts	 2NC						
PCS	COP162xx	P1 Push button, 2NO contacts	 2NO						
PCS	COP260xx	P2 Push button, 1NC/1NO contacts	 1NC/1NO						
PCS	COP261xx	P2 Push button, 2NC contacts	 2NC						
PCS	COP262xx	P2 Push button, 2NO contacts	 2NO						
		<b>CODE</b>	<b>LEGEND</b>	<b>LABEL COLOUR</b>	<b>TEXT COLOUR</b>	<b>CODE</b>	<b>LEGEND</b>	<b>LABEL COLOUR</b>	<b>TEXT COLOUR</b>
		01	"BLANK"	Green	N/A	41	"BLANK"	White	N/A
		02	I	Green	White	42	II	White	Black
		03	ON	Green	White	43	↑	White	Black
		04	START	Green	White	44	START	White	Black
		21	"BLANK"	Red	N/A	45	STOP	White	Red
		22	O	Red	White	46	FW	White	Black
		23	OFF	Red	White	47	BW	White	Black
		24	STOP	Red	White	49	↑↑	White	Black
		61	"BLANK"	Yellow	N/A	81	"BLANK"	Black	N/A
		62	II	Yellow	White				

PCS	COP360	P3 E-stop mushroom head, 1NC/1NO contacts		1NC/1NO	 
PCS	COP361	P3 E-stop mushroom head, 2NC contacts		2NC	
PCS	COP362	P3 E-stop mushroom head, 2NO contacts		2NO	
PCS	COY060	E-stop mushroom head, key release, 1NC/1NO contacts		1NC/1NO	 
PCS	COY061	E-stop mushroom head, key release, 2NC contacts		2NC	
PCS	COY062	E-stop mushroom head, key release, 2NO contacts		2NO	
PCS	COP460	P4 Black mushroom head, 1NC/1NO contacts		1NC/1NO	 
PCS	COP461	P4 Black mushroom head, 2NC contacts		2NC	
PCS	COP462	P4 Black mushroom head, 2NO contacts		2NO	
PCS	COY160	Push button, key release, 1NC/1NO contacts		1NC/1NO	 
PCS	COY161	Push button, key release, 2NC contacts		2NC	
PCS	COY162	Push button, key release, 2NO contacts		2NO	

PCS	CLLR6R1	Indicator lamp, <b>Red</b> (24-240Vac, 24-35Vdc)	24 - 240VAC 24 - 36VDC	
PCS	CLLG6G1	Indicator lamp, <b>Green</b> (24-240Vac, 24-35Vdc)		
PCS	CLLY6Y1	Indicator lamp, <b>Yellow</b> (24-240Vac, 24-35Vdc)		
PCS	CLLB6B1	Indicator lamp, <b>Blue</b> (24-240Vac, 24-35Vdc)		
PCS	CLLW6W1	Indicator lamp, White (24-240Vac, 24-35Vdc)		
PCS	CLLR6R2	Indicator lamp, <b>Red</b> (220-380Vac)	220 - 380VAC	
PCS	CLLG6G2	Indicator lamp, <b>Green</b> (220-380Vac)		
PCS	CLLY6Y2	Indicator lamp, <b>Yellow</b> (220-380Vac)		
PCS	CLLB6B2	Indicator lamp, <b>Blue</b> (220-380Vac)		
PCS	CLLW6W2	Indicator lamp, White (220-380Vac)		
PCS	COPR63R1	Illuminated PB, <b>Red</b> (1NC)	24 - 240VAC 24 - 36VDC	
PCS	COPG63G1	Illuminated PB, <b>Green</b> (1NC)		
PCS	COPY63Y1	Illuminated PB, <b>Yellow</b> (1NC)		
PCS	COPB63B1	Illuminated PB, <b>Blue</b> (1NC)		
PCS	COPW63W1	Illuminated PB, White (1NC)		
PCS	COPR64R1	Illuminated PB, <b>Red</b> (1NO)	24 - 240VAC 24 - 36VDC	
PCS	COPG64G1	Illuminated PB, <b>Green</b> (1NO)		
PCS	COPY64Y1	Illuminated PB, <b>Yellow</b> (1NO)		
PCS	COPB64B1	Illuminated PB, <b>Blue</b> (1NO)		
PCS	COPW64W1	Illuminated PB, White (1NO)		



Part Code		Part Description	Label	Contact Schematic	Typical Part Image
PCS	COK46003	3-position small handle, self-reset, "0-I-II"			
PCS	COK46204	3-position small handle, self-reset, "I-0-II"			
PCS	COK56204	3-position small handle, self-lock, "I-0-II"			
PCS	COK56003	3-position small handle, self-lock, "0-I-II"			
PCS	COK66201	2-position small handle, self-lock, "0-I"			
PCS	COK66002	2-position small handle, self-lock, "I-II"			
PCS	COK86005	3-position small handle, self-lock/reset, "0-•-I"			

Part Code		Range	Measuring Range	Overload Scale	Typical Part Image	
PCS	CAM6WA/1-2	1A	See below	x2		
PCS	CAM6WA/1-5	1A		x5		
PCS	CAM6WA/5-2	5A		x2		
PCS	CAM6WA/5-5	5A		x5		
<b>AMMETER SCALES -</b>						
CACZ0205-0-1A/□-□		1A or 5A  Note: Current transformer may be required	0--1A	2A or 5A		
CACZ0205-0-2.5A/□-□			0--2.5A	5A or 12.5A		
CACZ0205-0-5A/□-□			0--5A	10A or 25A		
CACZ0205-0-15A/□-□			0--15A	30A or 75A		
CACZ0205-0-25A/□-□			0--25A	50A or 125A		
CACZ0205-0-40A/□-□			0--40A	80A or 200A		
CACZ0205-0-50A/□-□			0--50A	100A or 250A		
CACZ0205-0-60A/□-□			0--60A	120A or 300A		
CACZ0205-0-75A/□-□			0--75A	150A or 375A		
CACZ0205-0-100A/□-□			0--100A	200A or 500A		
CACZ0205-0-150A/□-□			0--150A	300A or 750A		
CACZ0205-0-200A/□-□			0--200A	400A or 1000A		
CACZ0205-0-250A/□-□			0--250A	500A or 1250A		
CACZ0205-0-300A/□-□			0--300A	600A or 1500A		
CACZ0205-0-400A/□-□			0--400A	800A or 2000A		
CACZ0205-0-500A/□-□			0--500A	1000A or 2500A		
CACZ0205-0-600A/□-□		0--600A	1200A or 3000A			

↑ "2" or "5" (x2 or x5 overload scale)  
 — "1" or "5" (1A or 5A current transformer)



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