2026 Europe English Version Product Catalog Errata

Errata	Correct content	Error content

CPV10/CPV10S/CPV15/CPV15S... Series

1

Correct content

CPV10/CPV10S/CPV15/CPV15S/6D/4SV/4STV/7SV series pilot valve and matched solenoid valve, working temperature is adjusted from -10~50℃ to -20~70℃.

Specification

Model		6D0500/6DW0500	6D100/6DW100	6D200/6DW200
Fluid		Air(to be filtered by 40μm filter element)		
Acting		Pilot		
Operating pressure	5/3 way	0.2~0.8MPa(29~114psi)		
	Others	0.15~0.8MPa(21~114psi)		
Proof pressure		1.2MPa(175psi)		
Temperature		-20~70℃		
Type of inlet and exhaust		Centralized inlet and exhaust		
Numbers of station	6D	3-21 stations		
	6DW	13-33 stations		
Port size	A、B ports	Φ4/Φ6 tube fitting	Φ4/Φ6/Φ8 tube fitting	Φ8/Φ10 tube fitting
	P、R ports	Φ8 tube fitting	Φ10 tube fitting	Φ12 tube fitting
Electrical entry		Terminal , 25pinD-SUB/37pinD-SUB		

Error content

1

Specification

Model		6D0500/6DW0500	6D100/6DW100	6D200/6DW200
Fluid		Air(to be filtered by 40μm filter element)		
Acting		Pilot		
Operating pressure	5/3 way	0.2~0.8MPa(29~114psi)		
	Others	0.15~0.8MPa(21~114psi)		
Proof pressure		1.2MPa(175psi)		
Temperature		-10~50℃		
Type of inlet and exhaust		Centralized inlet and exhaust		
Numbers of station	6D	3-21 stations		
	6DW	13-33 stations		
Port size	A、B ports	Φ4/Φ6 tube fitting	Φ4/Φ6/Φ8 tube fitting	Φ8/Φ10 tube fitting
	P、R ports	Φ8 tube fitting	Φ10 tube fitting	Φ12 tube fitting
Electrical entry		Terminal , 25pinD-SUB/37pinD-SUB		

CPV10/CPV15 Series

2

Correct content

Delete CPV10/CPV15 product feature:

1. With anti-surge component can avoid the damage of solenoid valve.

Product feature CPV10

1. Multi-direction installation and polarless circuit design.
2. AC voltage models possess a built-in full wave rectifier circuit to reduce the noise effectively.
3. Various of standard voltages: AC220V, AC110V, DC24V, DC12V.
4. Low starting voltage and long service life.
5. Equipped with a push-turn locking manual override for adjustment and troubleshooting.

Product feature CPV15

1. None polarity design of DC circuit, the direction(vertical or horizontal) of wiring can be adjusted freely according to the installation demand.
2. Low starting voltage and long service life.
3. There is no buzzing by the usage of AC power supply .

Error content

2

Product feature

1. With anti-surge component can avoid the damage of solenoid valve.
2. Multi-direction installation and polarless circuit design.
3. AC voltage models possess a built-in full wave rectifier circuit to reduce the noise effectively.
4. Various of standard voltages: AC220V, AC110V, DC24V, DC12V.
5. Low starting voltage and long service life.
6. Equipped with a push-turn locking manual override for adjustment and troubleshooting.

Product feature

1. None polarity design of DC circuit, the direction(vertical or horizontal) of wiring can be adjusted freely according to the installation demand.
2. Low starting voltage and long service life.
3. There is no buzzing by the usage of AC power supply .
4. With surge device can avoid the damage of solenoid valve by surge voltage.

Note: The above-updated description is only for reference; please use the most updated version catalog as standard.

2026 Europe English Version Product Catalog Errata

Errata

DPH Series

Correct content

3

DPH analog modification

① specification parameter modification

Specification

Input power	Voltage	12~24 VDC ± 10% Ripple(p-p) < 10%
	Current Consumption	40mA or less
Pressure range	Fluid	Non-corrosive gas
	Measurement range	DPHN2(3)(B)-01/DPHP2(3)(B)-01 : -15psi~15psi
		DPHN2(3)(B)-10/DPHP2(3)(B)-10 : -15psi~150psi
	Withstand pressure	DPHN2(3)(B)-01/DPHP2(3)(B)-01 : 22psi
		DPHN2(3)(B)-10/DPHP2(3)(B)-10 : 175psi
	Measurement error	±2%F.S. , ±1digit(Temperature:25±3℃)
	Repetitive accuracy	±0.2%F.S.
	Temperature error	±3%F.S.(Base 25℃ , Range 0 to 50℃)
Display	Type	4-digit measurement, 3.5-digit setting
	Output	LCD Analog and Double row LCD display
	Color	2-color LCD (Red/Green)
Switch Output	Output group	DPHN2(N3):Built-in two sets of NPN output
		DPHP2(P3):Built-in two sets of PNP output
	Output model	Basic mode, Hysteresis mode, Window comparator mode Suction check mode, Leakage mode
	Transistor output	NPN:Maximum applied voltage 30V/100mA,Retained voltage <2V
		PNP:Maximum applied voltage 30V/100mA,Retained voltage <2V
	Analog Voltage Output	1 to 5V±3% F.S. (Details please refer to the internal circuit diagram)
	Analog Current Output	4 to 20mA±3% F.S. (Details please refer to the internal circuit diagram)
	Output-delay time	2ms、20ms、50ms、100ms、250ms、500ms 1000ms、2500ms、5000ms
Pressure Unit	DPHN2(3)(B)-01 DPHP2(3)(B)-01	kPa、kgf/cm^2、bar、psi、mmHg、inHg
	DPHN2(3)(B)-10 DPHP2(3)(B)-10	MPa、kPa、kgf/cm^2、bar、psi、cmHg、inHg
Vibration-resistant		10 Hz to 150 Hz, full amplitude of 1.5 mm, 2 hours each in X, Y, and Z directions (without power)
Impact resistance		Maximum 100m/s^2 , X, Y, Z directions 3 times each
Operating Temp. range		0~50℃
Stored Temp. range		-20~65℃
Humidity range		35%~80% RH(No condensation)

Error content

3

Specification

Model	DPHN2(3)(B)-01 / DPHP2(3)(B)-01 / DPHN2(3)(B)-10 / DPHP2(3)(B)-10	
Input power	Voltage	12~24 VDC ± 10% Ripple(p-p) < 10%
	Current Consumption	40mA or less
Pressure range	Fluid	Non-corrosive gas
	Measurement range	DPHN2(3)(B)-01/DPHP2(3)(B)-01 : -15psi~15psi
		DPHN2(3)(B)-01/DPHP2(3)(B)-10 : -15psi~150psi
	Withstand pressure	DPHN2(3)(B)-01/DPHP2(3)(B)-01 : -15psi~22psi
		DPHN2(3)(B)-01/DPHP2(3)(B)-10 : -15psi~175psi
	Measurement error	±2%F.S. , ±1digit(Temperature:25±3℃)
	Repetitive accuracy	±0.2%F.S.
	Temperature error	±3%F.S.(Base 25℃ , Range 0 to 50℃)
Display	Type	4-digit measurement, 3.5-digit setting
	Output	LCD Analog and Double row LCD display
	Color	2-color LCD (Red/Green)
Switch Output	Output model	Basic mode, Hysteresis mode, Window comparator mode Suction check mode, Leakage mode
	Transistor output	NPN:Maximum applied voltage 30V/100mA,Retained voltage <2V
		PNP:Maximum applied voltage 30V/100mA,Retained voltage <2V
	Analog Voltage Output	1 to 5V±3% F.S. (Minimum load impedance 1kΩ)
	Analog Current Output	4 to 20mA±3% F.S.(Range of Load impedance is 50 ~ 260Ω)
	Output-delay time	2ms, 20ms, 100ms, 500ms, 1000ms, 2000ms
Pressure Unit	DPHN2(3)(B)-01 DPHP2(3)(B)-01	kPa、kgf/cm^2、bar、psi、mmHg、inHg
	DPHN2(3)(B)-10 DPHP2(3)(B)-10	MPa、kPa、kgf/cm^2、bar、psi、cmHg、inHg
Vibration-resistant		10 Hz to 150 Hz, full amplitude of 1.5 mm, 2 hours each in X, Y, and Z directions (without power)
Impact resistance		Maximum 100m/s^2 , X, Y, Z directions 3 times each
Operating Temp. range		0~50℃
Stored Temp. range		-20~65℃
Humidity range		35%~80% RH(No condensation)

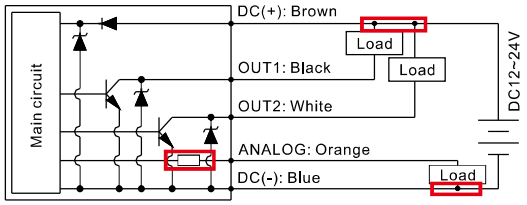
Note: The above-updated description is only for reference; please use the most updated version catalog as standard.

DPH Series

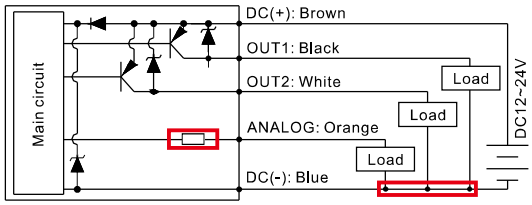
Errata	Correct content	Error content
3	②Internal circuit drawing modification, newly add note content.	3

Connection Example

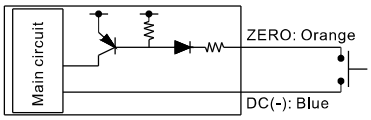
NPN Output



PNP Output



Zero-shift Input



NOTE:

1.Analog Voltage:Output impedance approx.1KΩ.
※Impedance matching between the product and the customer's equipment may cause a deviation in the analog voltage.

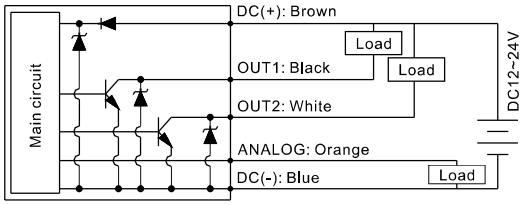
EXAMPLE:
Analog Voltage=5X $\frac{1M}{1k+1M}$ =5X $\frac{1M}{1.001M}$ =4.995(V)

Product Impedance | Equipment Impedance | 0.005V deviation

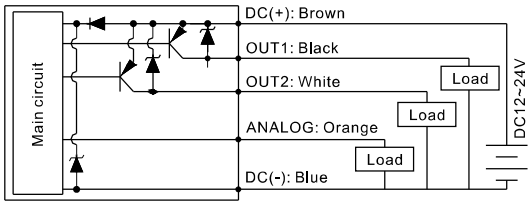
2.Analog Current :
The maximum allowable impedance is 300Ω at 12V and 600Ω at 24V,with a minimum impedance requirement of 50Ω.
3.Zero-shift input:
Follow the Example,do not use in DC(+).

Connection Example

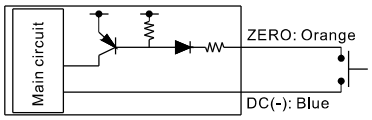
NPN Output



PNP Output



Zero-shift Input



Note: The above-updated description is only for reference; please use the most updated version catalog as standard.

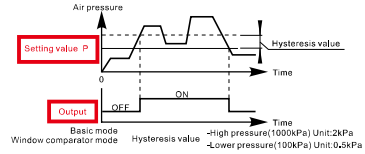
2026 Europe English Version Product Catalog Errata

DPH Series

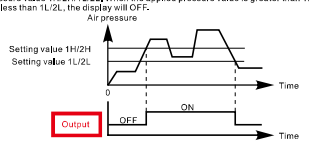
Errata	Correct content	Error content
	3 ③Output mode judgement description modification	3

Output mode description

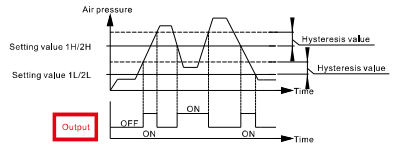
1. Basic mode: Set the pressure value P. When the applied pressure value is greater than P + hysteresis value, the display will ON. When the applied pressure value is less than P + hysteresis value, the display will OFF.



2. Hysteresis mode: Set the pressure value 1H/2H/1L/2L. When the applied pressure value is greater than 1H/2H, the display will ON. When the applied pressure is less than 1L/2L, the display will OFF.

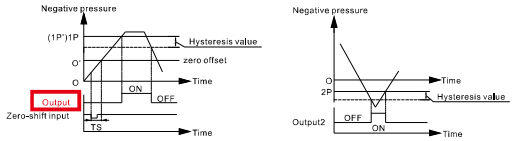


3. Window comparator mode: Set the pressure value H/L. When the pressure is greater than the H value or less than the L value, the output is OFF; when the air pressure is greater than the L value and less than the H value, the output is ON.

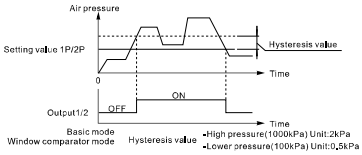


4. Suction check mode: Generally used for suction check detection applications. After the zero-shift signal is triggered, the zero-shift is completed after the TS time.
- TS: Zero-shift delay time.
- 1P: "Pressure" setting value of output 1 before zero-shift (or without zero-shift).
- 1P': Output 1 after zero-shift, Relative to the reference value of the suction starting point pressure (zero offset point).
- 2P: Pressure setting of output 2.

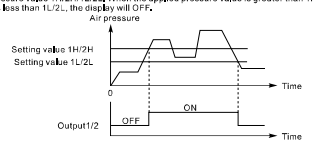
◇Output 1: Suction pressure detection.
In (N.O.) mode, the output 1 is ON when the measured pressure value is less than the setting value 1P (1P');
Without zero-shift input, output 1 ON/OFF judgment based on 1P, which is the suction pressure setting value relative to atmospheric pressure.
With a zero-shift input, output 1 ON/OFF judgment based on 1P', which is the reference setting value with relative to the zero-shift point.
◇Output 2: Vacuum plate break detection. In (N.O.) mode, output 2 turns ON when the air pressure is greater than the setting value 2P.



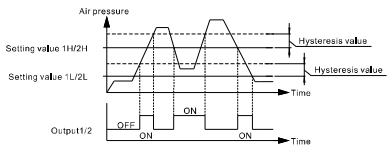
1. Basic mode: Set the pressure value 1P/2P. When the applied pressure value is greater than 1P/2P + hysteresis value, the display will ON. When the applied pressure value is less than P + hysteresis value, the display will OFF.



2. Hysteresis mode: Set the pressure value 1H/2H/1L/2L. When the applied pressure value is greater than 1H/2H, the display will ON. When the applied pressure is less than 1L/2L, the display will OFF.

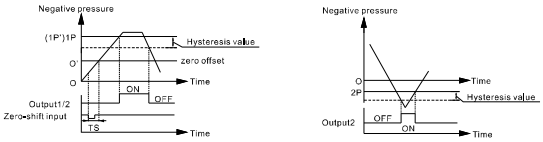


3. Window comparator mode: Set the pressure value H/L. When the pressure is greater than the H value or less than the L value, the output is OFF; when the air pressure is greater than the L value and less than the H value, the output is ON.



4. Suction check mode: Generally used for suction check detection applications. After the zero-shift signal is triggered, the zero-shift is completed after the TS time.
- TS: Zero-shift delay time.
- 1P: "Pressure" setting value of output 1 before zero-shift (or without zero-shift).
- 1P': Output 1 after zero-shift, Relative to the reference value of the suction starting point pressure (zero offset point).
- 2P: Pressure setting of output 2.

◇Output 1: Suction pressure detection.
In (N.O.) mode, the output 1 is ON when the measured pressure value is less than the setting value 1P (1P');
Without zero-shift input, output 1 ON/OFF judgment based on 1P, which is the suction pressure setting value relative to atmospheric pressure.
With a zero-shift input, output 1 ON/OFF judgment based on 1P', which is the reference setting value with relative to the zero-shift point.
◇Output 2: Vacuum plate break detection. In (N.O.) mode, output 2 turns ON when the air pressure is greater than the setting value 2P.



Note: The above-updated description is only for reference; please use the most updated version catalog as standard.

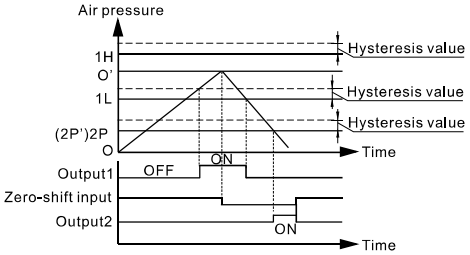
2026 Europe English Version Product Catalog Errata

DPH Series

Errata	Correct content	Error content
3	③Output mode judgement description modification	3

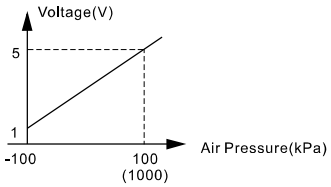
5. Leakage Mode: Generally used for leak detection applications.
The zero-shitf is completed after the zero-shift signal is triggered

◇1H: Output 1 upper limit setting value; 1L: Output 1 lower limit setting value.
◇2P(2P'): Output 2's "Leak" setting (Negative value).
◆Output 1: Fill pressure detection. In the normally mode, output 1 is ON when the pressure is between 1H and 1L
◆Output 2: Leakage detection. when only the zero-shift input, it will make output 2 ON/OFF judgment; In the normal mode, Output 2 is ON. when the leakage is greater than the setting value 2P (2P').



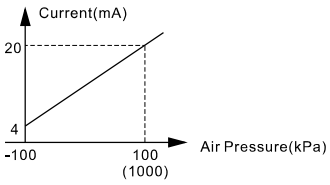
6. Analog output

6.1) Analog Voltage Output (1-5V)



♦In the analog voltage output mode, the orange line should pay attention to the following wiring:
1.Don't directly connect 0V or any bias voltage under no load to avoid internal circuit damage.
2.The output impedence is about 1KΩ , details please refer to the internal circuit diagram

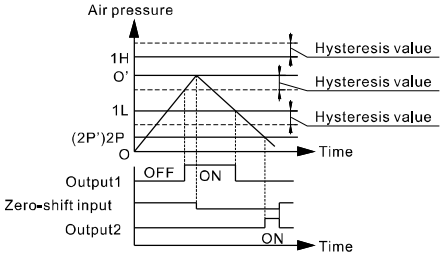
6.2) Analog Current Output (4-20mA)



♦In the analog current output mode, the orange line should pay attention to the following wiring:
1.Don't directly connect 0V or any bias voltage under no load to avoid internal circuit damage.
2. The load impedence is shown in the internal circuit diagram.

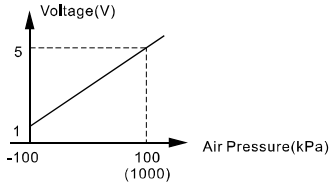
5. Leakage Mode: Generally used for leak detection applications.
The zero-shitf is completed after the zero-shift signal is triggered

◇1H: Output 1 upper limit setting value; 1L: Output 1 lower limit setting value.
◇2P(2P'): Output 2's "Leak" setting (Negative value).
◆Output 1: Fill pressure detection. In the normally mode, output 1 is ON when the pressure is between 1H and 1L
◆Output 2: Leakage detection. when only the zero-shift input, it will make output 2 ON/OFF judgment; In the normal mode, Output 2 is ON. when the leakage is greater than the setting value 2P (2P').



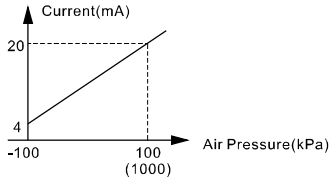
6. Analog output

6.1) Analog Voltage Output (1-5V)



♦In the analog voltage output mode, the orange line should pay attention to the following wiring:
1.Don't directly connect 0V or any bias voltage under no load to avoid internal circuit damage.
2.The minimum load impedance needs to be >1kΩ (Don't float) to avoid distortion of the output voltage.

6.2) Analog Current Output (4-20mA)



♦In the analog current output mode, the orange line should pay attention to the following wiring:
1.Don't directly connect 0V or any bias voltage under no load to avoid internal circuit damage.
2.The range of load impedance is 50Ω to 260Ω. (Don't float) to avoid distortion of the output current

Note: The above-updated description is only for reference; please use the most updated version catalog as standard.

2026 Europe English Version Product Catalog Errata

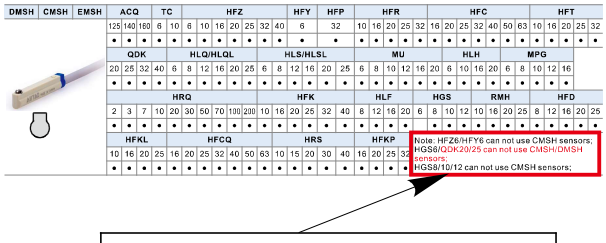
Errata

QDK Series

Correct content

4

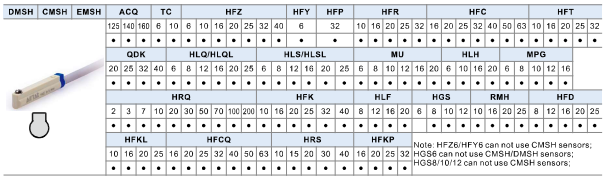
Newly add QDK20/25 series cylinder sensor description.



Note: HFZ6/HFY6 can not use CMSH sensors;
HGS6/QDK20/25 can not use CMSH/DMSH sensors;
HGS8/10/12 can not use CMSH sensors;

Error content

4



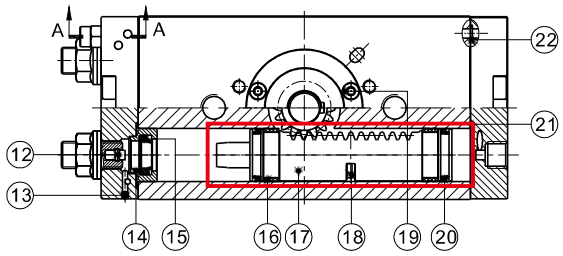
HRS Series

Correct content

5

HRS structure drawing
(piston, riveted pinion changes to integrated pinion
Wearing ring+pinion

Inner structure and material of major parts

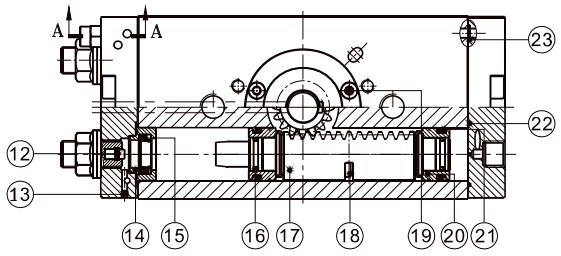


NO.	Item	Material
1	Adjustment bolt	Carbon steel
2	Hexagon nut	Carbon steel
3	Seal washer	Carbon steel & Rubber
4	Front cover	Aluminum alloy
5	Body	Aluminum alloy
6	Top cap	Carbon steel
7	Deep-groove bearing	Subassembly
8	Gear shaft	Carbon steel
9	Flat key	Carbon steel
10	Hexagon socket head cap bolt	Carbon steel
11	Back cover	Aluminum alloy
12	Bumper	NBR
13	Steel ball	Stainless steel
14	Buffering Cap	Aluminum alloy
15	O-ring	NBR
16	Wear ring	Wear resistant material
17	Rack	Stainless steel
18	Magnet	Rare earths
19	Hexagon socket head cap bolt	Carbon steel
20	Piston seal	NBR
21	O-ring	NBR
22	O-ring	NBR
23	O-ring	NBR
24	O-ring	NBR
25	Air cushion screw	Carbon steel
26	Screw	Carbon steel

Error content

5

Brass piston+pinion



NO.	Item	Material
1	Adjustment bolt	Carbon steel
2	Hexagon nut	Carbon steel
3	Seal washer	Carbon steel & Rubber
4	Front cover	Aluminum alloy
5	Body	Aluminum alloy
6	Top cap	Carbon steel
7	Deep-groove bearing	Subassembly
8	Gear shaft	Carbon steel
9	Flat key	Carbon steel
10	Hexagon socket head cap bolt	Carbon steel
11	Back cover	Aluminum alloy
12	Bumper	NBR
13	Steel ball	Stainless steel
14	Buffering Cap	Aluminum alloy
15	O-ring	NBR
16	O-ring	NBR
17	Rack	Stainless steel
18	Magnet	Rare earths
19	Hexagon socket head cap bolt	Carbon steel
20	Piston	Brass
21	Piston seal	NBR
22	O-ring	NBR
23	O-ring	NBR
24	O-ring	NBR
25	O-ring	NBR
26	Air cushion screw	Brass
27	Screw	Brass/Carbon steel

Note: The above-updated description is only for reference; please use the most updated version catalog as standard.

2026 Europe English Version Product Catalog Errata

Errata	Correct content	Error content

CMS Series

6

Correct content

CMS(voltage scope change:
5V ~ 240V AC/DC changes to 5V ~ 30V AC/DC）

CMS Specifications

Item	CMS	
Model	General	Heat resistant
Power supply voltage	5V ~ 30V AC/DC	
Switching current	100mA	
Contact capacity	10W Max.	
Current consumption	N/A	
Internal voltage drop	2.5V Max. @100mA DC	N/A
Leakage current	N/A	
Switching frequency	200Hz	
Impact resistance	30G	
Circuit protection	N/A	
Operating Temp.	-10℃ ~ 70℃	-10℃ ~ 125℃
Enclosure	IP64	
Standard	CE marking, RoHS	

Error content

CMS Specifications

Item	CMS	
Model	General	Heat resistant
Power supply voltage	5V ~ 240V AC/DC	
Switching current	100mA	
Contact capacity	10W Max.	
Current consumption	N/A	
Internal voltage drop	2.5V Max. @100mA DC	N/A
Leakage current	N/A	
Switching frequency	200Hz	
Impact resistance	30G	
Circuit protection	N/A	
Operating Temp.	-10℃ ~ 70℃	-10℃ ~ 125℃
Enclosure	IP64	
Standard	CE marking, RoHS	

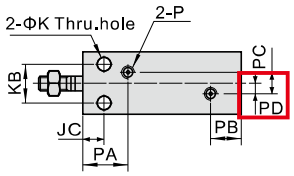
MD Series

7

Correct content

MD catalog air control position adds note

Dimensions

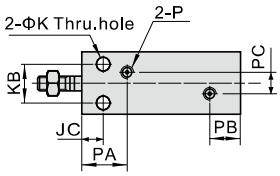


Bore size\ Item	Without magnet		With magnet		B	C	D	DA	.....	PA	PB	PC	PD
	A	AC	A	AC									
6	46	33	46	33	16.5	22	3	13		14	10	-	-
10	52	36	52	36	16.5	24	4	16		15.5	10	-	-
16	46	30	56	40	20	32	6	16		14.5	10	3	1.7
20	55	36	65	46	26	40	8	19		19.3	9.5	9	5.5
25	63	40	73	50	32	50	10	23		20.5	8.5	12	6
32	69	42	79	52	40	62	12	27		22	12.5	13	8.5

Error content

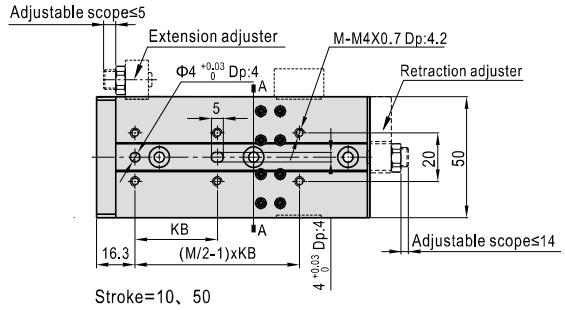
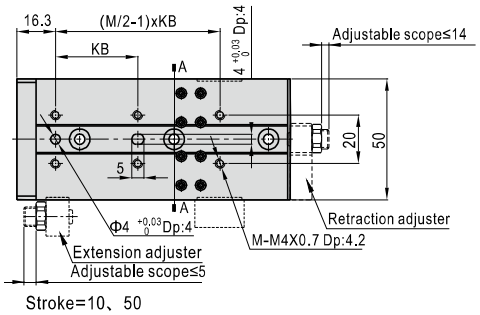
7

Dimensions



Bore size\ Item	Without magnet		With magnet		B	C	D	DA	.....	PA	PB	PC
	A	AC	A	AC								
6	46	33	46	33	16.5	22	3	13		14	10	-
10	52	36	52	36	16.5	24	4	16		15.5	10	-
16	46	30	56	40	20	32	6	16		14.5	10	3
20	55	36	65	46	26	40	8	19		19.3	9.5	9
25	63	40	73	50	32	50	10	23		20.5	8.5	12
32	69	42	79	52	40	62	12	27		22	12.5	13

Note: The above-updated description is only for reference; please use the most updated version catalog as standard.

Errata	Correct content	Error content
HLQ Series	**8** HLQ series newly add 10/50 stroke appearance drawing. **HLQ12**  Stroke=10、50 **HLQL12**  Stroke=10、50	**8**

Note: The above–updated description is only for reference; please use the most updated version catalog as standard.