

Pin Clamp Cylinder

D series



Series CKQ^G_PD/CLKQ^G_PD

How to Order

Built-in standard magnet
With magnetic field resistant auto switch

C □ KQGD A 50 □ - 177 R A L □ - P4DWSC □

Built-in strong magnet
With magnetic field resistant auto switch

C □ KQP D A 50 □ - 198 R A L □ - P79WSE □

With lock on the clamp side ●

Nil	Without lock
L	With lock

Number of auto switches ●

Nil	2 pcs.
S	1 pc. (Unclamp side)

* The D-P4/P7 type is different-surface mounting. (Refer to page 1308.)

● Auto switch type

Nil	Without auto switch (Built-in magnet)
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* For applicable auto switch models, refer to page 1269.
* Auto switches are included, (but not assembled).

● Shim

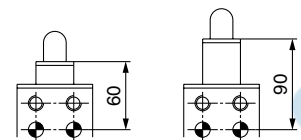
Nil	Without shims
S	With 3 mm shims*

* When a model includes shims, two 1 mm shims and two 0.5 mm shims are attached.

● Clamping height (Refer to the below figure.)

L	LOW type (60 mm)
H	HIGH type (90 mm)

LOW type HIGH type



Clamping height

● Clamp arm position (clockwise viewed from top)

A	Same direction as port	C	180° from port
	90° from port		270° from port

Mounting surface (viewed from top) ●

Symbol	Port location
A	
B	

Bore size ●
50 □ 50 mm

Port thread type ●

Nil	Rc
TN	NPT
TF	G

Guide pin diameter ●

* For guide pin diameter, refer to Table 1 below.

Guide pin shape ●

R	Round type
D	Diamond type*

* Diamond type guide pin diameter is ø17.5 or more.

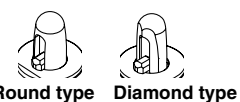
● Body shape

Symbol	Dimension	Mounting hole (tap, pin hole) arrangement	Mounting	Mounting surface (viewed from top)
D	□66		Mounting tap: 4 x M10 x 1.5 Pin hole: 2 x ø8H7	

Table 1. Guide Pin Diameter

Symbol	125	127	128	129	130	145	147	148	149	150	155	157	158	159	160
Guide pin diameter	12.5	12.7	12.8	12.9	13.0	14.5	14.7	14.8	14.9	15.0	15.5	15.7	15.8	15.9	16.0
Applicable hole diameter of workpiece	For ø13					For ø15					For ø16				
Guide pin shape	Round type														

Symbol	175	177	178	179	180	195	197	198	199	200	245	247	248	249	250	295	297	298	299	300
Guide pin diameter	17.5	17.7	17.8	17.9	18.0	19.5	19.7	19.8	19.9	20.0	24.5	24.7	24.8	24.9	25.0	29.5	29.7	29.8	29.9	30.0
Applicable hole diameter of workpiece	For ø18					For ø20					For ø25					For ø30				
Guide pin shape	Round type, Diamond type																			



Pin Clamp Cylinder *Series CKQ_P^GD/CLKQ_P^GD*

Table 2. Applicable Auto Switches / For detailed specifications about an auto switch for itself, refer to pages 1719 to 1827.

Applicable cylinder series	Type	Auto switch model	Applicable magnetic field	Electrical entry	Indicator light	Wiring (Pin no in use)	Load voltage	Lead wire length	Applicable load
Series C(L)KQG	Solid state auto switch	D-P4DWSC	AC magnetic field (Single-phase AC welding magnetic field)	Pre-wired connector	2-color display	2-wire (3-4)	24 VDC	0.3 m	Relay, PLC <small>Note 1)</small>
		D-P4DWSE		Grommet		2-wire (1-4)		3 m	
		D-P4DWL				2-wire		5 m	
		D-P4DWZ							
Series C(L)KQP	Reed auto switch	D-P79WSE	DC/AC magnetic field	Pre-wired connector	2-color display	2-wire (1-4)	24 VDC	0.3 m	
		D-P74L		Grommet	1-color display	2-wire	24 VDC	3 m	
		D-P74Z					100 VAC	5 m	

Note 1) PLC: Programmable Logic Controller

Note 2) There are other applicable auto switches other than the listed above. For details, refer to page 1307.

MK

**CKQ
CLKQ**

CK□1

CLK2

D-□

-X□

**Individual
-X□**