

SHANGHAI YONGXING ELECTRONIC SWITCH CO., LTD.

SHANGHAI YONGXING ELECTRONIC

上海永星电子

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KCD1 系列船型波动开关
KCD1 Series Rocker Switches



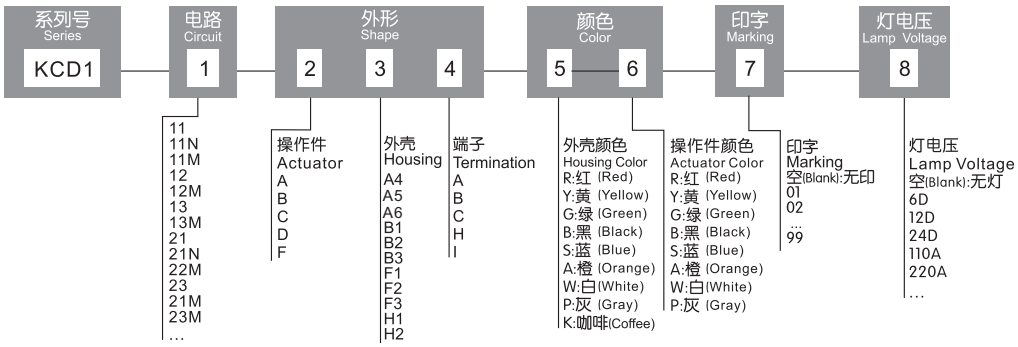
技术性能参数 SPECIFICATION

接触电阻（初始值）Contact Resistance	≤50mΩ
绝缘电阻（常态）Insulation Resistance	≥1,000MΩ
耐压（常态）Dielectric Strength	1,500V AC ，1min
工作环境温度 Operating temperature	T55 , T85 , T125
电气寿命（次）Electronic Life(cycles)	10,000

电气额定值Max. Rating Current & Voltage

CQC CE	16(4)A 250V AC T85
UL	16R(4)A 125V AC 16R(4)A 250V AC 1HP 125V AC
CB EK17	16(4)A 250V AC T125, 10(4)A 250V AC T125 16(4)A 250V AC T85, 16A 250V AC

KCD1型号命名规则 HOW TO ORDER



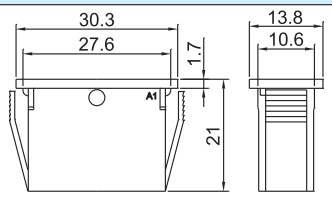
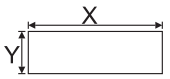
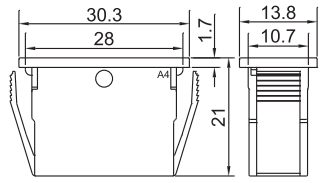
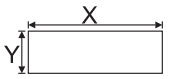
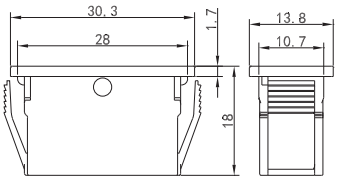
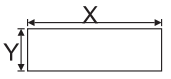
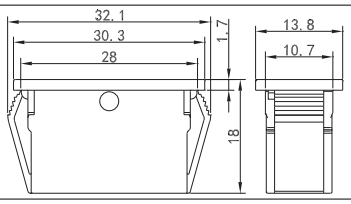
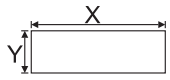
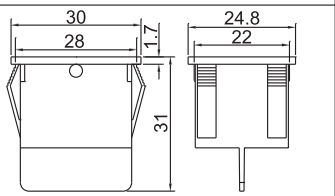
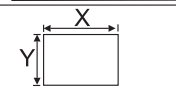
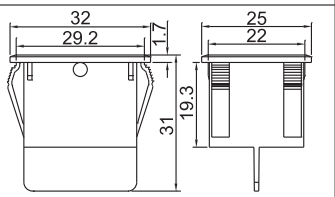
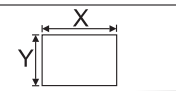
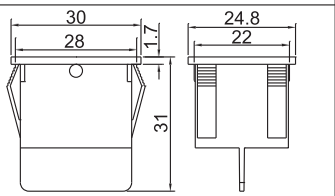
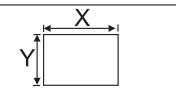
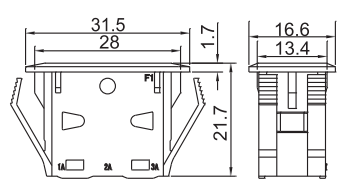
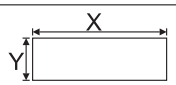
1 KCD1电路特征代码 CIRCUIT CODE

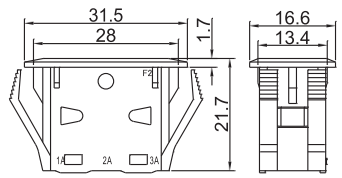
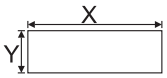
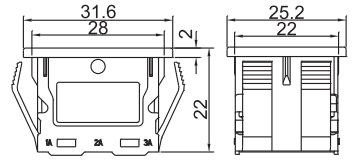
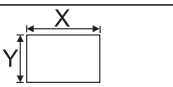
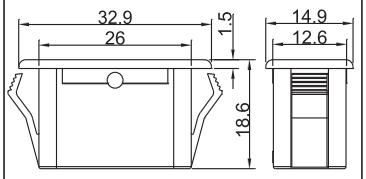
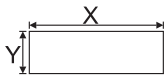
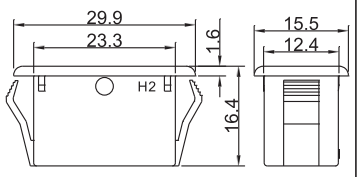
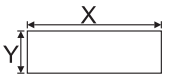
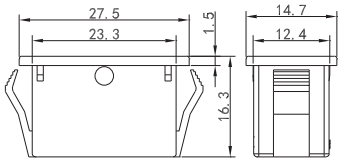
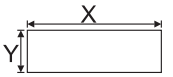
代码 Code	图解 Circuit	描述 Description	代码 Code	图解 Circuit	描述 Description
11	ON-OFF	单极单掷 SP-ST	21	ON-OFF	双极单掷 DP-ST
12	ON - ON	单极双掷 SP-DT	21N	ON - OFF	双极单掷带灯 DP-ST Illuminated
11N	ON - OFF	单极单掷带灯 SP-ST Illuminated	22	ON - ON	双极双掷 DP-DT
11M	OFF→ON	单极单掷复位 SP-ST Momentary	22M	ON → ON	双极双掷复位 DP-DT Momentary
12M	ON → ON	单极双掷复位 SP-DT Momentary	23	ON - OFF - ON	双极三掷 DP-TT
13	ON - OFF - ON	单极三掷 SP-TT	13M	ON - OFF - ON	单极三掷复位 SP-TT Momentary
21M	OFF→ON	双极单掷复位 DP-ST Momentary	23M	ON - OFF - ON	双极三掷复位 DP-TT Momentary

2 操作件代码 ACTUATOR CODE

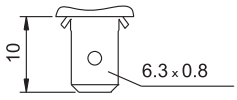
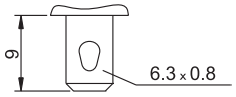
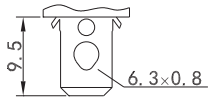
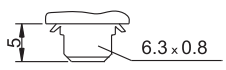
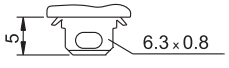
代码 Code	图解 Diagram	描述 Description	代码 Code	图解 Diagram	描述 Description	代码 Code	图解 Diagram	描述 Description	代码 Code	图解 Diagram	描述 Description	代码 Code	图解 Diagram	描述 Description
A		平面 Plane	B		V型面 V-Shaped	C		弧型面 Arc-Shaped	D		弧形面 点发光 Arc-Shaped Point Lamp	F		防水 弧形面 Arc-Shaped With Shied

3 外壳代码 HOUSING CODE

代码 Code	图解 Diagram	面板开孔尺寸(mm) Panel cut out	相配选择 Match the project selection		
			操作件 Actuator	电路 Circuit	接线端子 Terminal Blocks
A1		 Z:安装面板厚度 Panel Thickness Z: 0.75~1.25 / 1.25~2.00 / 2.00~3.00 X: 28.1 / 28.2 / 28.3 $^{+0.10}_{0}$ Y: 10.7 $^{+0.10}_{0}$	A/ B/ C/ D/ F	11M/ 12M/ 13M	A
A4		 Z:安装面板厚度 Panel Thickness Z: 0.75~1.25 / 1.25~2.00 / 2.00~3.00 X: 28.1 / 28.2 / 28.3 $^{+0.10}_{0}$ Y: 10.7 $^{+0.10}_{0}$	A/ B/ C/ D/ F	11N	A/ C
A5		 Z:安装面板厚度 Panel Thickness Z: 0.75~1.25 / 1.25~2.00 / 2.00~3.00 X: 27.7 / 27.8 / 28.0 $^{+0.10}_{0}$ Y: 10.7 $^{+0.10}_{0}$	C	11/ 11N/ 12/ 13	C
A6		 Z:安装面板厚度 Panel Thickness Z: 0.75~1.25 / 1.25~2.00 / 2.00~3.00 X: 28.4 / 28.8 / 29.0 $^{+0.10}_{0}$ Y: 10.7 $^{+0.10}_{0}$	C	11/ 11N/ 12/ 13	C
B1		 Z:安装面板厚度 Panel Thickness Z: 0.75~1.25 / 1.25~2.00 / 2.00~3.00 X: 28.1 / 28.2 / 28.3 $^{+0.10}_{0}$ Y: 22.1 $^{+0.10}_{0}$	A/ B/ C/ D	21/22/ 22M/23 21M/23M	A
B2		 Z:安装面板厚度 Panel Thickness Z: 0.75~1.25 / 1.25~2.00 / 2.00~3.00 X: 29.6 / 30.6 / 30.8 $^{+0.10}_{0}$ Y: 22.1 $^{+0.10}_{0}$	A/ B/ C/ D	21/ 21N	A/ C
B3		 Z:安装面板厚度 Panel Thickness Z: 0.75~1.25 / 1.25~2.00 / 2.00~3.00 X: 28.1 / 28.2 / 28.3 $^{+0.10}_{0}$ Y: 22.1 $^{+0.10}_{0}$	A/ B/ C/ D	21/ 21N	A/ C
F1 防水型		 Z:安装面板厚度 Panel Thickness Z: 0.75~1.25 / 1.25~2.00 / 2.00~3.00 X: 28.1 / 28.2 / 28.3 $^{+0.10}_{0}$ Y: 13.5 $^{+0.10}_{0}$	B/ C	11/12/ 11N/13	B

代码 Code	图解 Diagram	面板开孔尺寸(mm) Panel cut out	相配选择 Match the project selection		
			操作件 Operating conditions	电路 Circuit	接线端子 Terminal Blocks
F2 防水型		 Z:安装面板厚度 Panel Thickness Z: 0.75~1.25 — X: 29.0 +0.10 0 — Y: 13.5 +0.10 0 Z: 1.25~2.00 — X: 29.2 +0.10 0 — Y: 13.5 +0.10 0 Z: 2.00~3.00 — X: 29.4 +0.10 0 — Y: 13.5 +0.10 0	B/ C	11/12/ 11N/13	B
F3 防水型		 Z:安装面板厚度 Panel Thickness Z: 0.75~1.25 — X: 28.1 +0.10 0 — Y: 22.1 +0.10 0 Z: 1.25~2.00 — X: 28.2 +0.10 0 — Y: 22.1 +0.10 0 Z: 2.00~3.00 — X: 28.3 +0.10 0 — Y: 22.1 +0.10 0	C	21/22/ 21N/23	B
H1		 Z:安装面板厚度 Panel Thickness Z: 1.00~2.00 — X: 28.8 +0.10 0 — Y: 12.7 +0.10 0 Z: 2.00~3.00 — X: 29.2 +0.10 0 — Y: 12.7 +0.10 0	C	11/ 11N	H/ I
H2		 Z:安装面板厚度 Panel Thickness Z: 0.75~1.25 — X: 25.6 +0.10 0 — Y: 12.5 +0.10 0 Z: 1.25~2.00 — X: 26.0 +0.10 0 — Y: 12.5 +0.10 0 Z: 2.00~3.00 — X: 26.2 +0.10 0 — Y: 12.5 +0.10 0	C	11/ 11N	H/ I
H4		 Z:安装面板厚度 Panel Thickness Z: 0.75~1.25 — X: 25.6 +0.10 0 — Y: 12.5 +0.10 0 Z: 1.25~2.00 — X: 26.0 +0.10 0 — Y: 12.5 +0.10 0 Z: 2.00~3.00 — X: 26.2 +0.10 0 — Y: 12.5 +0.10 0	C	11/ 11N	H/ I

4 接线端子代码 TERMINATION CODE

代码 Code	图解 Diagram	描述 Description
A		6.3*0.8标准型端子 Standard Terminal Blocks
B		6.3*0.8标准型端子 Standard Terminal Blocks
C		6.3*0.8焊接型端子 Welding type Terminal Blocks
H		6.3*0.8焊接型端子 Welding type Terminal Blocks
I		6.3*0.8焊接型端子 Welding type Terminal Blocks

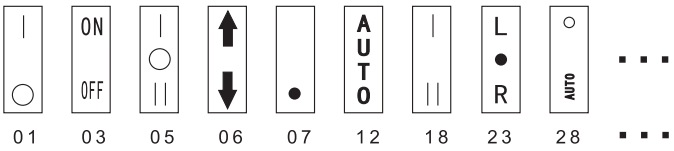
5 外壳颜色 HOUSING COLOR

代码(Code)	R	G	Y	S	W	B	P	A	K
颜色(Color)	红色(Red)	绿色(Green)	黄色(Yellow)	蓝色(Blue)	白色(White)	黑色(Black)	灰色(Gray)	橙色(Orange)	咖啡色(Coffee)

6 操作件颜色 ACTUATOR COLOR

代码(Code)	R	G	Y	S	W	B	P	A
颜色(Color)	红色(Red)	绿色(Green)	黄色(Yellow)	蓝色(Blue)	白色(White)	黑色(Black)	灰色(Gray)	橙色(Orange)

7 印字 MARKING



01 03 05 06 07 12 18 23 28 ▪ ▪ ▪ ▪ ▪ ▪

具体见附表

8 灯电压 LAMP VOLTAGE

照明件(Lamp)	LED								氖灯(Neon)	
电压(Voltage)	DC6V	DC12V	DC24V	AC/DC6V	AC/DC12V	AC/DC24V	AC/DC110V	AC/DC220V	AC110V	AC220V
代码(Code)	DC 6	DC 12	DC 24	AC/DC6	AC/DC12	AC/DC24	AC/DC110	AC/DC220	AC 110	AC 220

选型注意事项 NOTE

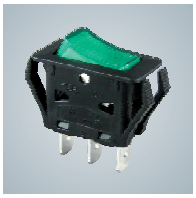
- ●操作件按钮的颜色比较多,主要的颜色为黑色,白色,红色,绿色。
  The operation of the button have a variety of colors , the main color are black,white,red and green.
- ●外壳的颜色主要为黑色及白色。
  The shell main colors are black and whith.
- ●带灯开关的灯类型主要为220V的氖灯产品,带LED的产品比较少，并且基本为24V直流LED。
  The main types of illuminate switch are 220V neon lamps, and less LED products, and basically are LED DC24V.
- ●操作件按钮上印制的字符可根据客户的需求印制,目前已有的字符样式也有几十种,一般都可以满足客户的需求。
  The printing character on the button according to customer demand, there are a few dozen kinds can be printed and published a t present, usually can meet customer demand.
- ●特殊电压电流及颜色需要定制。
  The special voltage, current and color needs to be customized.

KCD1产品图例 EXAMPLE

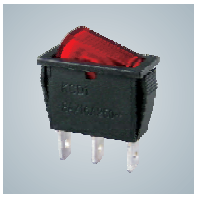

KCD1-21N-CB1A-B-GR-01-220A


KCD1-21N-DB2A-B-GR-220A


KCD1-11N-CH1H-S-A-03-110A


KCD1-12-CF2B-B-G


KCD1-11-FA4A-B-R-03


KCD1-12-AA1A-B-R


KCD1-13-CA1A-B-B-05


KCD1-11-CF2B-B-B-01


KCD1-12-BA1A


KCD1-12-DA1A-B-R

●注：因为外形上看不出开关内部是否带灯及灯类型电压等参数，故以上样品对应型号不一定完整，完整型号请根据实际需求并参照型号定义及参数表选型。
Note: Because couldn't get full information from the appearance, such as voltages, parameters and the switch with or without light, so the full model please refer to models based on the actual needs and the definition and parameters of table selection.

KCD2 系列船型波动开关
KCD2 Series Rocker Switches



技术性能参数 SPECIFICATION

接触电阻（初始值）Contact Resistance	≤50mΩ
绝缘电阻（常态）Insulation Resistance	≥1,000MΩ
耐压（常态）Dielectric Strength	1,500V AC ，1min
工作环境温度 Operating temperature	T55 , T85 , T125
电气寿命（次）Electronic Life(cycles)	10,000

电气额定值Max. Rating Current & Voltage

CQC CE	16(4)A 250V AC T85
VDE	16R(4)A 250V AC 16R(4)A 125V AC 1HP 125V AC
CB	16(4)A 250V AC T125, 10(4)A 250V AC T125 16(4)A 250V AC T85, 16A 250V AC

KCD2型号命名规则 HOW TO ORDER

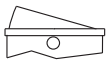
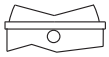
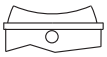
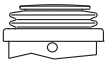
系列号 Series	电路 Circuit	外形 Shape			颜色 Color		印字 Marking	灯电压 Lamp Voltage
KCD2	1	2	3	4	5	6	7	8

- 电路 Circuit (1): 12, 12M, 21N, 21N1, 22, 22N, 23, 23N, 21M, 22M, 23M, 23M1, …
- 外形 Shape (2) 操作件 Actuator: A, B, C, F
- 外形 Shape (3) 外壳 Housing: A1, A2, F1, F2, F3, H1
- 外形 Shape (4) 端子 Termination: A, B, C
- 颜色 Color (5) 外壳颜色 Housing Color: R:红 (Red), Y:黄 (Yellow), G:绿(Green), B:黑 (Black), S:蓝 (Blue), A:橙 (Orange), W:白(White), P:灰 (Gray)
- 颜色 Color (6) 操作件颜色 Actuator Color: R:红 (Red), Y:黄 (Yellow), G:绿(Green), B:黑 (Black), S:蓝 (Blue), A:橙 (Orange), W:白(White), P:灰 (Gray)
- 印字 Marking (7): 空(Blank):无印, 01, 02, …
- 灯电压 Lamp Voltage (8): 空(Blank):无灯, 6D, 12D, 24D, 110A, 220A, …

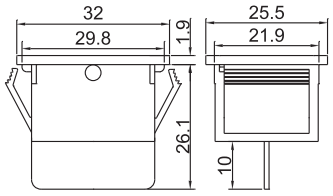
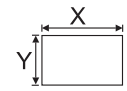
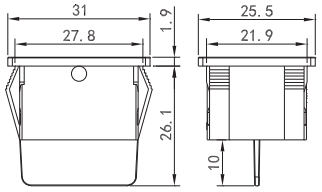
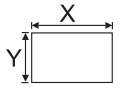
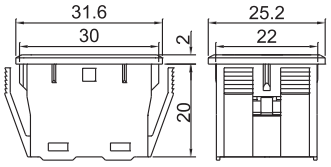
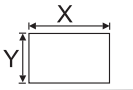
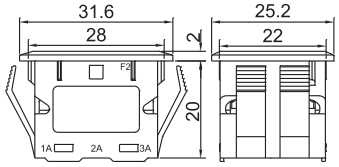
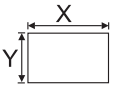
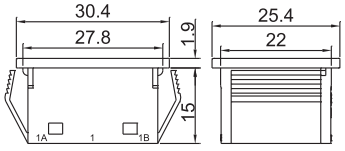
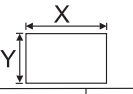
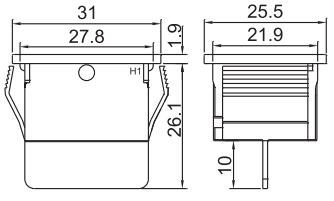
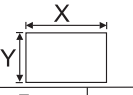
1 KCD2电路特征代码 CIRCUIT CODE

代码 Code	图解 Circuit	描述 Description	代码 Code	图解 Circuit	描述 Description
12	ON - ON	单极双掷 SP-DT	23	ON - OFF - ON	双极三掷 DP-TT
12M	ON - ON	单极双掷复位 SP-DT Momentary	23N	ON - OFF - ON	双极三掷带灯 DP-TT Illuminated
21	ON-OFF	双极单掷 DP-ST	21M	OFF→ON	双极单掷复位 DP-ST Momentary
21N	ON-OFF	双极单掷带灯 DP-ST Illuminated	22M	ON → ON	双极双掷复位 DP-DT Return
21N1	ON - OFF	双极单掷带灯 DP-ST Illuminated	23M	ON→OFF←ON	双极三掷双面复位 DP-TT Double Momentary
22	ON - ON	双极双掷 DP-DT	23M1	ON→OFF←ON	双极三掷单面复位 DP-TT Single Momentary
22N	ON - ON	双极双掷带灯 DP-DT Illuminated	21NM	OFF→ON	双极单掷带灯复位 DP-ST Illuminated Momentary
22NM	ON → ON	双极双掷带灯复位 DP-DT Illuminated Momentary			

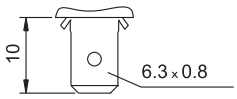
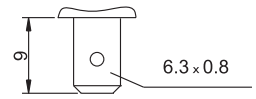
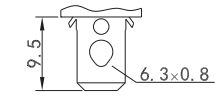
2 操作件代码 ACTUATOR CODE

代码 Code	图解 Diagram	描述 Description	代码 Code	图解 Diagram	描述 Description	代码 Code	图解 Diagram	描述 Description	代码 Code	图解 Diagram	描述 Description
A		平面 Plane	B		V型面 V-Shaped	C		弧型面 Arc-Shaped	F		防水弧形面 Arc-Shaped With Shied

3 外壳代码 HOUSING CODE

代码 Code	图解 Diagram	面板开孔尺寸(mm) Panel cut out	相配选择 Match the project selection		
			操作件 Actuator	电路 Circuit	接线端子 Terminal Blocks
A2		 Z:安装面板厚度 Panel Thickness Z: 0.75~1.25 / 1.25~2.00 / 2.00~3.00 X: 30.0 / 30.6 / 31.0 $^{+0.10}_{0}$ Y: 22.0 $^{+0.10}_{0}$	A/ B/ C/	12/12M/21/ 21N/22/22N/ 23/23N/ 21M/22M/ 23M/23M1/ 21NM/22NM	A
A4		 Z:安装面板厚度 Panel Thickness Z: 0.75~1.25 / 1.25~2.00 / 2.00~3.00 X: 27.9 / 28.0 / 28.1 $^{+0.10}_{0}$ Y: 22.1 $^{+0.10}_{0}$	A/ B/ C/ F	12/12M/21/ 21N/22/22N/ 23/23N/ 21M/22M/ 23M/23M1/ 21NM/22NM	A
F1 防水型		 Z:安装面板厚度 Panel Thickness Z: 0.75~1.25 / 1.25~2.00 / 2.00~3.00 X: 30.1 / 30.2 / 30.3 $^{+0.10}_{0}$ Y: 22.1 $^{+0.10}_{0}$	C	12/12M/21/ 21N/22/22N/ 23/23N/ 21M/22M/ 23M/23M1/ 21NM/22NM	B
F2 防水型		 Z:安装面板厚度 Panel Thickness Z: 0.75~1.25 / 1.25~2.00 / 2.00~3.00 X: 28.1 / 28.2 / 28.3 $^{+0.10}_{0}$ Y: 22.1 $^{+0.10}_{0}$	C	12/12M/21/ 21N/22/22N/ 23/23N/ 21M/22M/ 23M/23M1/ 21NM/22NM	B
F3 防水型		 Z:安装面板厚度 Panel Thickness Z: 0.75~1.25 / 1.25~2.00 / 2.00~3.00 X: 28.0 / 28.1 / 28.2 $^{+0.10}_{0}$ Y: 22.1 $^{+0.10}_{0}$	C	12/12M/ 21/22/23/ 21M/22M/ 23M/23M1	A
H1		 Z:安装面板厚度 Panel Thickness Z: 0.75~1.25 / 1.25~2.00 / 2.00~3.00 X: 27.9 / 28.0 / 28.1 $^{+0.10}_{0}$ Y: 22.1 $^{+0.10}_{0}$	A/ B/ C/ F	21/ 21N1/ 21M/ 21N/ 21NM	A/ C

4 接线端子代码 TERMINAL CODE

代码 Code	图解 Diagram	描述 Description
A		6.3*0.8标准型端子 Standard Terminal Blocks
B		6.3*0.8标准型端子 Standard Terminal Blocks
C		6.3*0.8标准型端子 Standard Terminal Blocks

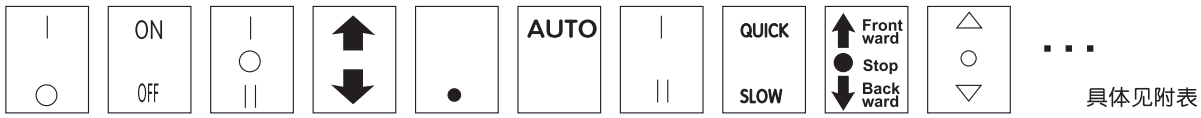
5 外壳颜色 HOUSING COLOR

代码(Code)	R	G	Y	S	W	B	P	A
颜色(Color)	红色 (Red)	绿色 (Green)	黄色 (Yellow)	蓝色 (Blue)	白色 (White)	黑色 (Black)	灰色 (Gray)	橙色 (Orange)

6 操作件颜色 ACTUATOR COLOR

代码(Code)	R	G	Y	S	W	B	P	A
颜色(Color)	红色 (Red)	绿色 (Green)	黄色 (Yellow)	蓝色 (Blue)	白色 (White)	黑色 (Black)	灰色 (Gray)	橙色 (Orange)

7 印字 MARKING



01 03 05 06 07 12 18 22 57 75 . . .

具体见附表

8 灯电压 LAMP VOLTAGE

照明件(Lamp)	LED								氖灯(Neon)	
电压(Voltage)	DC6V	DC12V	DC24V	AC/DC6V	AC/DC12V	AC/DC24V	AC/DC110V	AC/DC220V	AC110V	AC220V
代码(Code)	DC 6	DC 12	DC 24	AC/DC6	AC/DC12	AC/DC24	AC/DC110	AC/DC220	AC 110	AC 220

选型注意事项 NOTE

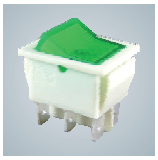
- 操作件按钮的颜色比较多,主要的颜色为黑色,白色,红色,绿色。
  The operation of the button have a variety of colors , the main colors are black,white,red and green.
- 外壳的颜色主要为黑色及白色。
  The shell main colors are black and whith.
- 带灯开关的灯类型主要为220V的氖灯产品,带LED的产品比较少，并且基本为24V直流LED。
  The main types of illuminate switch are 220V neon lamps, and less led products, and basically are led DC24V.
- 操作件按钮上印制的字符可根据客户的需求印制,目前已有的字符样式也有几十种,一般都可以满足客户的需求。
  The printing character on the button according to customer demand,there are a few dozen kinds can be printed and published at present usually can meet customer demand.
- 特殊电压电流及颜色需要定制。
  The special voltage, current and color needs to be customized.

KCD2产品图例 EXAMPLE


KCD2-22-CA1A-B-B-01


KCD2-22-CA1A-B-G-01


KCD2-23-CA1A-B-B-75


KCD2-22-BA1A-W-G


KCD2-22-AA1A-B-R


KCD2-21-CA1A-B-B-01


KCD2-21-BA1A-W-Y-01


KCD2-22-AA1A-W-G


KCD2-22-CA1A-B-R-01


KCD2-21-CA1A-B-R-01


KCD2-21-FA1A-B-B-01


KCD2-21-CF1B-B-G


KCD2-21-CF2B-B-R


KCD2-22-CF2B-B-B

- 注：因为外形上看不出开关内部是否带灯及灯类型电压等参数，故以上样品对应型号不一定完整，完整型号请根据实际需求并参照型号定义及参数表选型。
  Note: Due to we couldn't get full information from the appearance, such as voltages, parameters and the switch with or without light, so the full model please refer to models based on the actual needs and the definition and parameters of table selection.



技术性能参数 SPECIFICATION

接触电阻（初始值）Contact Resistance	≤50mΩ
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耐压（常态）Dielectric Strength	1,500V AC ，1min
工作环境温度 Operating temperature	T55 , T105
电气寿命（次）Electronic Life(cycles)	10,000

电气额定值 Max. Rating Current & Voltage

CQC CE	10(3)A 250V AC T85 6(3)A 250V AC T85
c UL us	15R(3) 125V AC 10R(3) 250V AC 1/3HP 125V AC
CB	10(3)A 250V AC T105, 6(3)A 250V AC T105 6A 250V AC, 4A 250VAC T105

KCD3型号命名规则 HOW TO ORDER

系列号 Series	电路 Circuit	外形 Shape			颜色 Color		印字 Marking	灯电压 Lamp Voltage
KCD3	1	2	3	4	5	6	7	8

- 电路 Circuit: 11, 11N, 11M, 12, 13, 21, 21N, 22, 22N
- 外形 Shape 2 操作件 Actuator: A, C, F
- 外形 Shape 3 外壳 Housing: A1, B1, B3, BT, BP, E1, F1, H1
- 外形 Shape 4 端子 Termination: A, B, C, D, E, H, I, K, L
- 颜色 Color 5 外壳颜色 Housing Color: R:红 (Red), Y:黄 (Yellow), G:绿 (Green), B:黑 (Black), S:蓝 (Blue), A:橙 (Orange), W:白(White), P:灰 (Gray)
- 颜色 Color 6 操作件颜色 Actuator Color: R:红 (Red), Y:黄 (Yellow), G:绿 (Green), B:黑 (Black), S:蓝 (Blue), A:橙 (Orange), W:白(White), P:灰 (Gray)
- 印字 Marking: 空(Blank):无印, 01, 02, ...
- 灯电压 Lamp Voltage: 空(Blank):无灯, 6D, 12D, 24D, 110A, 220A, ...

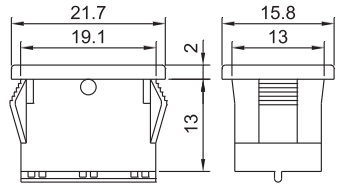
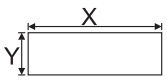
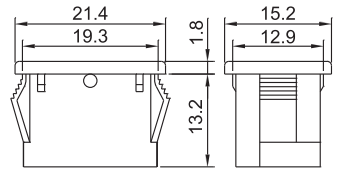
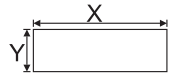
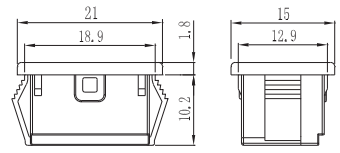
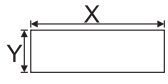
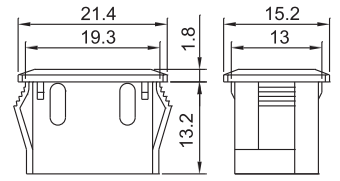
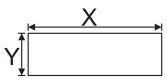
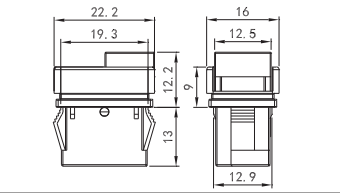
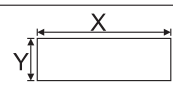
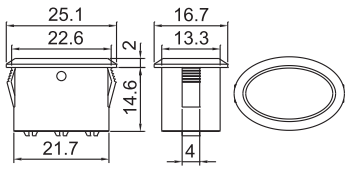
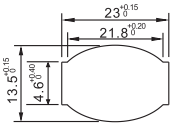
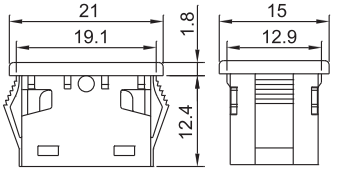
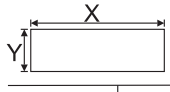
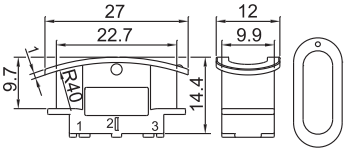
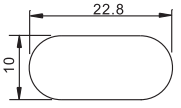
1 KCD3电路特征代码 CIRCUIT CODE

代码 Code	图解 Circuit	描述 Description	代码 Code	图解 Circuit	描述 Description
11	ON - OFF	单极单掷 SP-ST	21	ON -OFF	双极单掷 DP-ST
12	ON - ON	单极双掷 SP-DT	21N	ON-OFF	双极单掷带灯 DP-ST Illuminated
11N	ON - OFF	单极单掷带灯 SP-ST Illuminated	22	ON - ON	双极双掷 DP-DT
11M	ON→OFF	单极单掷复位 SP-ST Momentary	22N	ON - OFF - ON	双极双掷带灯 DP-DT Illuminated
13	ON - OFF - ON	单极三掷 SP-TT			

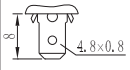
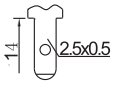
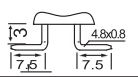
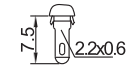
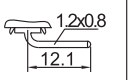
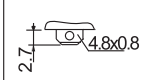
2 操作件代码 ACTUATOR CODE

代码 Code	图解 Diagram	描述 Description	代码 Code	图解 Diagram	描述 Description	代码 Code	图解 Diagram	描述 Description
A		平面 Plane	C		弧型面 Arc-Shaped	F		防水弧型面 Arc-Shaped With Shied

3 外壳代码 HOUSING CODE

代码 Code	图解 Diagram	面板开孔尺寸(mm) Panel cut out	相配选择 Match the project selection		
			操作件 Actuator	电路 Circuit	接线端子 Terminal Blocks
A1		 Z:安装面板厚度 Panel Thickness Z: 0.75~1.25 — X: 19.2 +0.10 0 — Y: 13.1 +0.10 0 Z: 1.25~2.00 — X: 19.3 +0.10 0 — Y: 13.1 +0.10 0 Z: 2.00~3.00 — X: 19.4 +0.10 0 — Y: 13.1 +0.10 0	C	21 / 21N / 22 / 22N	H
B1		 Z:安装面板厚度 Panel Thickness Z: 0.75~1.25 — X: 19.4 +0.10 0 — Y: 13.0 +0.10 0 Z: 1.25~2.00 — X: 19.5 +0.10 0 — Y: 13.0 +0.10 0 Z: 2.00~3.00 — X: 19.6 +0.10 0 — Y: 13.0 +0.10 0	C	11/11N/ 11M/ 12/13	A/ B/ I/ K
B3		 Z:安装面板厚度 Panel Thickness Z: 0.75~1.25 — X: 19.0 +0.10 0 — Y: 13.1 +0.10 0 Z: 1.25~2.00 — X: 19.1 +0.10 0 — Y: 13.1 +0.10 0 Z: 2.00~3.00 — X: 19.2 +0.10 0 — Y: 13.1 +0.10 0	C	11/ 12/ 13	A/ B/ I/ K
BT		 Z:安装面板厚度 Panel Thickness Z: 0.75~1.25 — X: 19.4 +0.10 0 — Y: 13.1 +0.10 0 Z: 1.25~2.00 — X: 19.5 +0.10 0 — Y: 13.1 +0.10 0 Z: 2.00~3.00 — X: 19.6 +0.10 0 — Y: 13.1 +0.10 0	A	11M	A/ B/ I/ K
BP		 Z:安装面板厚度 Panel Thickness Z: 0.75~1.25 — X: 19.4 +0.10 0 — Y: 13.1 +0.10 0 Z: 1.25~2.00 — X: 19.5 +0.10 0 — Y: 13.1 +0.10 0 Z: 2.00~3.00 — X: 19.6 +0.10 0 — Y: 13.1 +0.10 0		11/ 12	A/ B/ I/ K
E1		Z:安装面板厚度<2mm Panel Thickness 	C	11/ 11N/ 12	A/ B/ I/ K
F1		 Z:安装面板厚度 Panel Thickness Z: 0.75~1.25 — X: 19.2 +0.10 0 — Y: 13.1 +0.10 0 Z: 1.25~2.00 — X: 19.3 +0.10 0 — Y: 13.1 +0.10 0 Z: 2.00~3.00 — X: 19.4 +0.10 0 — Y: 13.1 +0.10 0	C	11/ 12/ 13	C/ E/ L
H1		Z:安装面板厚度<2mm Panel Thickness  注意：安装面板上下位置需定位。 NOTE: The upper and lower position of installation panel need to be located	A	11/ 11N	D

4 接线端子代码 TERMINAL CODE

代码 Code	A	B	C	D	E	H	I	K	L
图解 Diagram									
描述 Description	4.8*0.8标准型 Standard Terminal	4.8*0.8标准型 Standard Terminal	4.8*0.8端子型 Standard Terminal	2.5*0.5端子型 Standard Terminal	4.8*0.8端子型 Standard Terminal	2.2*0.6焊接型 Welding type Terminal	4.8*0.8焊接型 Welding type Terminal	1.2*0.8焊接型 Welding type Terminal	4.8*0.8焊接型 Welding type Terminal

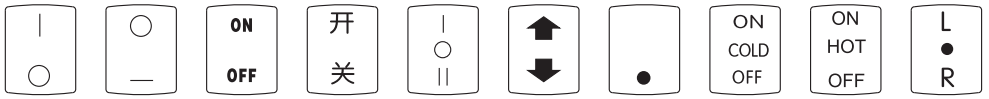
5 外壳颜色 HOUSING COLOR

代码(Code)	R	G	Y	S	W	B	P	A
颜色(Color)	红色 (Red)	绿色 (Green)	黄色 (Yellow)	蓝色 (Blue)	白色 (White)	黑色 (Black)	灰色 (Gray)	橙色 (Orange)

6 操作件颜色 ACTUATOR COLOR

代码(Code)	R	G	Y	S	W	B	P	A
颜色(Color)	红色 (Red)	绿色 (Green)	黄色 (Yellow)	蓝色 (Blue)	白色 (White)	黑色 (Black)	灰色 (Gray)	橙色 (Orange)

7 印字 MARKING



01 02 03 04 05 06 07 19 20 23 ▪ ▪ ▪ ▪ ▪ ▪

具体见附表

8 灯电压 LAMP VOLTAGE

照明件(Lamp)	LED								氖灯(Neon)	
电压(Voltage)	DC6V	DC12V	DC24V	AC/DC6V	AC/DC12V	AC/DC24V	AC/DC110V	AC/DC220V	AC110V	AC220V
代码(Code)	DC 6	DC 12	DC 24	AC/DC6	AC/DC12	AC/DC24	AC/DC110	AC/DC220	AC 110	AC 220

选型注意事项 NOTE

●操作件按钮的颜色比较多,主要的颜色为黑色,白色,红色,绿色。
The operation of the button have a variety of colors, the main colors are black, white, red and green.

●外壳的颜色主要为黑色及白色。
The shell main colors are black and whith.

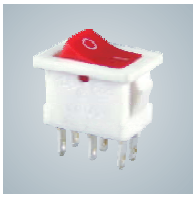
●带灯开关的灯类型主要为220V的氖灯产品,带LED的产品比较少，并且基本为24V直流LED。
The main types of illuminate switch are 220V neon lamps, and less led products, and basically are led DC24V.

●操作件按钮上印制的字符可根据客户的需求印制,目前已有的字符样式也有几十种,一般都可以满足客户的需求。
The printing character on the button according to customer demand,there are a few dozen kinds can be printed and published at present usually can meet customer demand.

●特殊电压电流及颜色需要定制。
The special voltage, current and color needs to be customized.

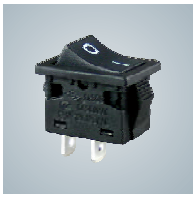
●外壳代码A1、B2、BT、F1、H1、K1产品无UL认证，其余代码外壳符合UL认证。
Shell code A1, B2, BT, F1, H1, K1product UL certification, UL certification with the rest of the code shell.

KCD3产品图例 EXAMPLE

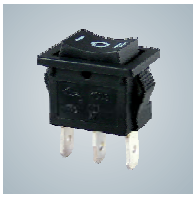

KCD3-22-CA1H-W-R-01

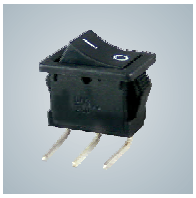

KCD3-11N-AH1D-W-R

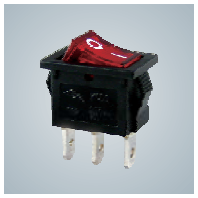

KCD3-11-ABTB-B-R


KCD3-11-CF1C-B-B-01


KCD3-13-CB1I-P-P-98


KCD3-13-CB1B-B-B-112


KCD3-12-CB1K-B-B-01


KCD3-11N-CB1B-B-R-01-220A


KCD3-11-CB1K-B-R-01


KCD3-11-FB1B-B-B-01

●注：因为外形上看不出开关内部是否带灯及灯类型电压等参数，故以上样品对应型号不一定完整，完整型号请根据实际需求并参照型号定义及参数表选型。
Note: Due to we couldn't get full information from the appearance, such as voltages, parameters and the switch with or without light, so the full model please refer to models based on the actual needs and the definition and parameters of table selection.

KCD5 系列船型波动开关
KCD5 Series Rocker Switches



技术性能参数 SPECIFICATION

接触电阻（初始值）Contact Resistance	≤50mΩ
绝缘电阻（常态）Insulation Resistance	≥1,000MΩ
耐压（常态）Dielectric Strength	1,500V AC ，1min
工作环境温度 Operating temperature	T55
电气寿命（次）Electronic Life(cycles)	10,000

电气额定值Max. Rating Current & Voltage

CQC CE	6A 250V AC
c UL us	15R(3) 125V AC 10R(3) 250V AC 1/3HP 125V AC

KCD5型号命名规则 HOW TO ORDER

系列号 Series	电路 Circuit	外形 Shape			颜色 Color		印字 Marking	灯电压 Lamp Voltage
KCD5	1	2	3	4	5	6	7	8

- 电路 Circuit: 21, 21N, 21M, 22, 22N, 23, …
- 外形 Shape: 2 操作件 Actuator C; 3 外壳 Housing A2; 4 端子 Termination A, B, I
- 颜色 Color: 5 外壳颜色 Housing Color; 6 操作件颜色 Actuator Color
  - R:红 (Red)
  - Y:黄 (Yellow)
  - G:绿 (Green)
  - B:黑 (Black)
  - S:蓝 (Blue)
  - A:橙 (Orange)
  - W:白(White)
  - P:灰 (Gray)
- 印字 Marking: 7 空(Blank):无印, 01, 02, …
- 灯电压 Lamp Voltage: 8 空(Blank):无灯, 6D, 12D, 24D, 110A, 220A, …

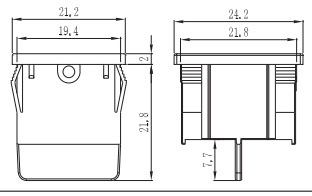
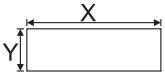
1 KCD5电路特征代码 CIRCUIT CODE

代码 Code	图解 Circuit	描述 Description	代码 Code	图解 Circuit	描述 Description
21	ON - OFF	双极单掷 DP-ST	22N	ON - OFF - ON	双极双掷带灯 DP-DT Illuminated
21N	ON -OFF	双极单掷带灯 DP-ST Illuminated	22M	ON → ON	双极双掷复位 DP-DT Return
21M	OFF→ON	双极单掷复位 DP-ST Momentary	23	ON - OFF - ON	双极三掷 DP-TT
22	ON - ON	双极双掷 DP-DT			

2 操作件代码 ACTUATOR CODE

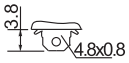
代码 Code	图解 Diagram	描述 Description
C		弧型面 Arc-Shaped

3 外壳代码 HOUSING CODE

代码 Code	图解 Diagram	面板开孔尺寸(mm) Panel cut out	相配选择 Match the project selection		
			操作件 Actuator	电路 Circuit	接线端子 Terminal Blocks
A2		 Z:安装面板厚度 Panel Thickness	C	21/ 21N/ 21M 22/ 22N/ 22M 23	A/ B/ H

Z	X	Y
0.75~1.25	$19.5^{+0.10}_{0}$	$21.9^{+0.10}_{0}$
1.25~2.00	$19.6^{+0.10}_{0}$	$21.9^{+0.10}_{0}$
2.00~3.00	$19.7^{+0.10}_{0}$	$21.9^{+0.10}_{0}$

4 接线端子代码 TERMINAL CODE

代码 Code	A	B	I
图解 Diagram			
描述 Description	4.8*0.8 标准型 Standard	4.8*0.8 标准型 Standard	4.8*0.8 焊接型 Welding type

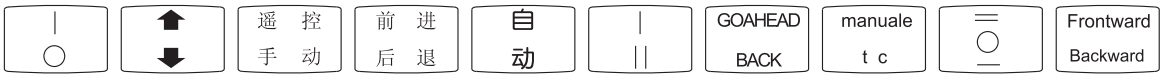
5 外壳颜色 HOUSING COLOR

代码(Code)	R	G	Y	S	W	B	P	A
颜色(Color)	红色 (Red)	绿色 (Green)	黄色 (Yellow)	蓝色 (Blue)	白色 (White)	黑色 (Black)	灰色 (Gray)	橙色 (Orange)

6 操作件颜色 ACTUATOR COLOR

代码(Code)	R	G	Y	S	W	B	P	A
颜色(Color)	红色 (Red)	绿色 (Green)	黄色 (Yellow)	蓝色 (Blue)	白色 (White)	黑色 (Black)	灰色 (Gray)	橙色 (Orange)

7 印字 Marking



01 06 08 09 17 18 26 27 112 116 具体见附表

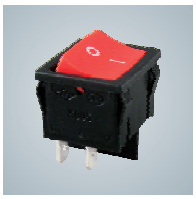
8 灯电压 LAMP VOLTAGE

照明件(Lamp)	LED								氖灯(Neon)	
电压(Voltage)	DC6V	DC12V	DC24V	AC/DC6V	AC/DC12V	AC/DC24V	AC/DC110V	AC/DC220V	AC110V	AC220V
代码(Code)	DC 6	DC 12	DC 24	AC/DC6	AC/DC12	AC/DC24	AC/DC110	AC/DC220	AC 110	AC 220

选型注意事项 NOTE

- ●操作件按钮的颜色比较多,主要的颜色为黑色,白色,红色,绿色。
  The operation of the button have a variety of colors , the main colors are black, white, red and green.
- ●外壳的颜色主要为黑色及白色。
  The shell main colors are black and white.
- ●带灯开关的灯类型主要为220V的氖灯产品,带LED的产品比较少，并且基本为24V直流LED。
  The main types of illuminate switch are 220V neon lamps, and less led products, and basically are led DC24V.
- ●操作件按钮上印制的字符可根据客户的需求印制,目前已有的字符样式也有几十种,一般都可以满足客户的需求。
  The printing character on the button according to customer demand,there are a few dozen kinds can be printed and published at present usually can meet customer demand.
- ●特殊电压电流及颜色需要定制。
  The special voltage, current and color needs to be customized.

KCD5产品图例 EXAMPLE


KCD5-21-CA2B-B-R-01


KCD5-21-CA2B-B-B-01


KCD5-23-CA2B-B-B-112


KCD5-22-CA2B-W-R-01


KCD5-22-CA2B-B-B-01


KCD5-21-CA2B-W-W-01


KCD5-21-CA2B-B-G-01


KCD5-22-CA2B-B-G-01

●注：因为外形上看不出开关内部是否带灯及灯类型电压等参数，故以上样品对应型号不一定完整，完整型号请根据实际需求并参照型号定义及参数表选型。
Note: Due to we couldn't get full information from the appearance, such as voltages, parameters and the switch with or without light, so the full model please refer to models based on the actual needs and the definition and parameters of table selection.

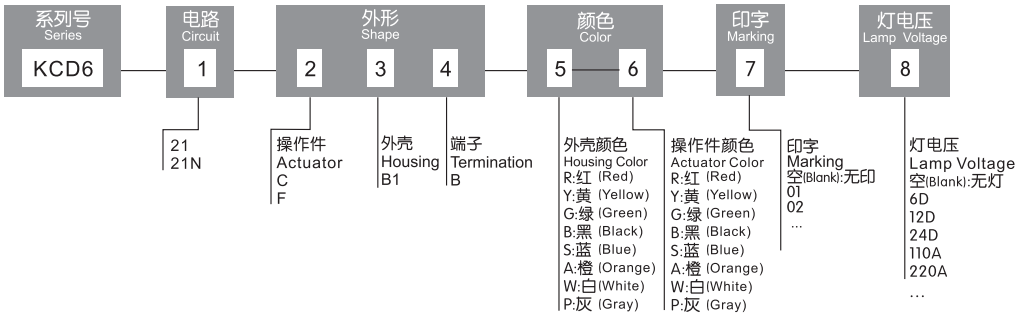
KCD6 系列船型波动开关
KCD6 Series Rocker Switches



技术性能参数 SPECIFICATION

接触电阻（初始值）Contact Resistance	≤50mΩ
绝缘电阻（常态）Insulation Resistance	≥1,000MΩ
耐压（常态）Dielectric Strength	1,500V AC ，1min
工作环境温度 Operating temperature	T55
电气寿命（次）Electronic Life(cycles)	10,000
电气额定值Max. Rating Current & Voltage	
CQC CE	6A 250V AC

KCD6型号命名规则 HOW TO ORDER



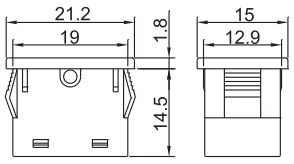
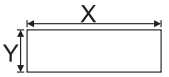
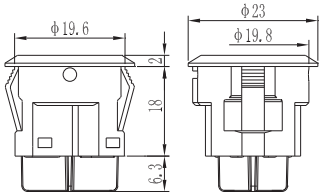
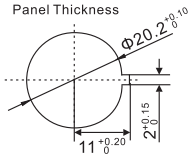
1 KCD6电路特征代码 CIRCUIT CODE

代码 Code	图解 Circuit	描述 Description
21	ON - OFF	双极单掷 DP-ST
21N	ON -OFF	双极单掷带灯 DP-ST Illuminated

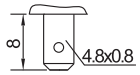
2 操作件代码 ACTUATOR CODE

代码 Code	图解 Diagram	描述 Description
C		弧型面 Arc-Shaped
F		防水弧形面 Arc-Shaped With Shied

3 外壳代码 HOUSING CODE

代码 Code	图解 Diagram	面板开孔尺寸(mm) Panel cut out	相配选择 Match the project selection		
			操作件 Actuator	电路 Circuit	接线端子 Terminal Blocks
B1		 Z:安装面板厚度 Panel Thickness Z: 0.75~1.25 — X: 19.4 $^{+0.10}_{0}$ — Y: 13.0 $^{+0.10}_{0}$ Z: 1.25~2.00 — X: 19.5 $^{+0.10}_{0}$ — Y: 13.0 $^{+0.10}_{0}$ Z: 2.00~3.00 — X: 19.6 $^{+0.10}_{0}$ — Y: 13.0 $^{+0.10}_{0}$	C/ F	21/ 21N	B
C1		安装面板厚度<3mm Panel Thickness 	C	21/ 21N	B

4 接线端子代码 TERMINAL CODE

代码 Code	B
图解 Diagram	
描述 Description	4.8*0.8标准型 Standard

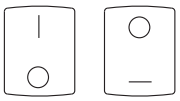
5 外壳颜色 HOUSING COLOR

代码(Code)	R	G	Y	S	W	B	P	A
颜色(Color)	红色 (Red)	绿色 (Green)	黄色 (Yellow)	蓝色 (Blue)	白色 (White)	黑色 (Black)	灰色 (Gray)	橙色 (Orange)

6 操作件颜色 ACTUATOR COLOR

代码(Code)	R	G	Y	S	W	B	P	A
颜色(Color)	红色 (Red)	绿色 (Green)	黄色 (Yellow)	蓝色 (Blue)	白色 (White)	黑色 (Black)	灰色 (Gray)	橙色 (Orange)

7 印字 Marking



01 02 具体见附表

8 灯电压 LAMP VOLTAGE

照明件(Lamp)	LED								氖灯(Neon)	
电压(Voltage)	DC6V	DC12V	DC24V	AC/DC6V	AC/DC12V	AC/DC24V	AC/DC110V	AC/DC220V	AC110V	AC220V
代码(Code)	DC 6	DC 12	DC 24	AC/DC6	AC/DC12	AC/DC24	AC/DC110	AC/DC220	AC 110	AC 220

选型注意事项 NOTE

- ●操作件按钮的颜色比较多,主要的颜色为黑色,白色,红色,绿色。
  The operation of the button have a variety of colors , the main colors are black, white, red and green.
- ●外壳的颜色主要为黑色及白色。
  The shell main colors are black and white.
- ●带灯开关的灯类型主要为220V的氖灯产品,带LED的产品比较少，并且基本为24V直流LED。
  The main types of illuminate switch are 220V neon lamps, and less led products, and basically are led DC24V.
- ●操作件按钮上印制的字符可根据客户的需求印制,目前已有的字符样式也有几十种,一般都可以满足客户的需求。
  The printing character on the button according to customer demand,there are a few dozen kinds can be printed and published at present usually can meet customer demand.
- ●特殊电压电流及颜色需要定制。
  The special voltage, current and color needs to be customized.

KCD6产品图例 EXAMPLE


KCD6-21-CB1B-B-R-01


KCD6-21-CB1B-W-G


KCD6-21-CB1B-B-B-01


KCD6-21-CB1B-W-B


KCD6-21-FB1B-B-B-01

●注：因为外形上看不出开关内部是否带灯及灯类型电压等参数，故以上样品对应型号不一定完整，完整型号请根据实际需求并参照型号定义及参数表选型。
Note: Due to we couldn't get full information from the appearance, such as voltages, parameters and the switch with or without light, so the full model please refer to models based on the actual needs and the definition and parameters of table selection.

KCD7 系列船型波动开关
KCD7 Series Rocker Switches



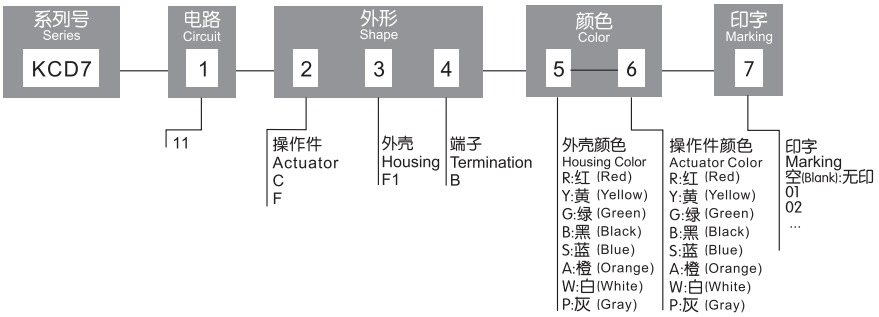
技术性能参数 SPECIFICATION

接触电阻（初始值）Contact Resistance	≤50mΩ
绝缘电阻（常态）Insulation Resistance	≥1,000MΩ
耐压（常态）Dielectric Strength	1,500V AC ，1min
工作环境温度 Operating temperature	T55
电气寿命（次）Electronic Life(cycles)	10,000

电气额定值Max. Rating Current & Voltage

CQC CE	6A 250V AC

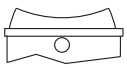
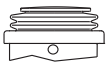
KCD7型号命名规则 HOW TO ORDER



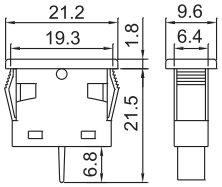
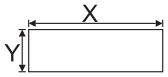
1 KCD7电路特征代码 CIRCUIT CODE

代码 Code	图解 Circuit	描述 Description
11	ON - OFF	单极单掷 SP-ST

2 操作件代码 ACTUATOR CODE

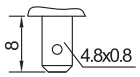
代码 Code	图解 Diagram	描述 Description
C		弧型面Arc-Shaped
F		防水弧型面 Waterproof arc surface

3 外壳代码 HOUSING CODE

代码 Code	图解 Diagram	面板开孔尺寸(mm) Panel cut out	相配选择 Match the project selection		
			操作件 Actuator	电路 Circuit	接线端子 Terminal Blocks
F1 防水型		 Z:安装面板厚度	C F	11	B

Z	X	Y
0.75~1.25	19.4 $^{+0.10}_{0}$	6.5 $^{+0.10}_{0}$
1.25~2.00	19.5 $^{+0.10}_{0}$	6.5 $^{+0.10}_{0}$
2.00~3.00	19.6 $^{+0.10}_{0}$	6.5 $^{+0.10}_{0}$

4 接线端子代码 TERMINATION CODE

代码 Code	B
图解 Diagram	
描述 Description	4.8*0.8标准型 Standard

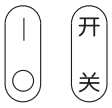
5 外壳颜色 HOUSING COLOR

代码(Code)	R	G	Y	S	W	B	P	A
颜色(Color)	红色 (Red)	绿色 (Green)	黄色 (Yellow)	蓝色 (Blue)	白色 (White)	黑色 (Black)	灰色 (Gray)	橙色 (Orange)

6 操作件颜色 ACTUATOR COLOR

代码(Code)	R	G	Y	S	W	B	P	A
颜色(Color)	红色 (Red)	绿色 (Green)	黄色 (Yellow)	蓝色 (Blue)	白色 (White)	黑色 (Black)	灰色 (Gray)	橙色 (Orange)

7 印字 Marking



01 04 具体见附表

选型注意事项 NOTE

- ●操作件按钮的颜色比较多,主要的颜色为黑色,白色,红色,绿色。
  The operation of the button have a variety of colors , the main colors are black, white, red and green.
- ●外壳的颜色主要为黑色及白色,灰色。
  The shell main colors are black, white and grey.
- ●操作件按钮上印制的字符可根据客户的需求印制。
  The printing character on the button according to customer demand.
- ●特殊颜色需要定制。
  Color needs to be customized.

KCD7产品图例 EXAMPLE


KCD7-11-CF1B-B-B


KCD7-11-CF1B-B-R-01


KCD7-11-FF1B-B-B-01

KCD8 系列船型波动开关
KCD8 Series Rocker Switches



技术性能参数 SPECIFICATION

接触电阻（初始值）Contact Resistance	≤50mΩ
绝缘电阻（常态）Insulation Resistance	≥1,000MΩ
耐压（常态）Dielectric Strength	1,500V AC ，1min
工作环境温度 Operating Temperature	T55 , T85 , T105
电气寿命（次）Electronic Life(cycles)	10,000

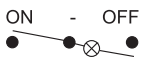
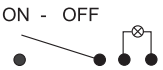
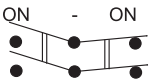
电气额定值Max. Rating Current & Voltage

CQC CE	6A 250V AC
CB	10(3)A 250V AC T105, 6(3)A 250V AC T105 6A 250V AC, 4A 250V AC T105
c UL us	15R(3) 125V AC 10R(3) 250V AC 1/3HP 125V AC

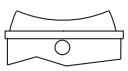
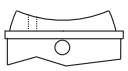
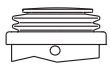
KCD8型号命名规则 HOW TO ORDER

系列号 Series	电路 Circuit	外形 Shape			颜色 Color		印字 Marking	灯电压 Lamp Voltage
KCD8	1	2	3	4	5	6	7	8
	11 11N 11N1 12 13 22	操作件 Actuator C D F	外壳 Housing A1 A2 B2 B3 B4	端子 Termination A B	外壳颜色 Housing Color R:红 (Red) Y:黄 (Yellow) G:绿 (Green) B:黑 (Black) S:蓝 (Blue) A:橙 (Orange) W:白(White) P:灰 (Gray)	操作件颜色 Actuator Color R:红 (Red) Y:黄 (Yellow) G:绿 (Green) B:黑 (Black) S:蓝 (Blue) A:橙 (Orange) W:白(White) P:灰 (Gray)	印字 Marking 空(Blank):无印 01 02 ...	灯电压 Lamp Voltage 空(Blank):无灯 6D 12D 24D 110A 220A ...

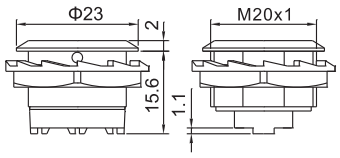
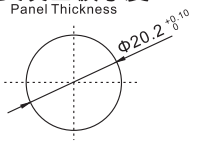
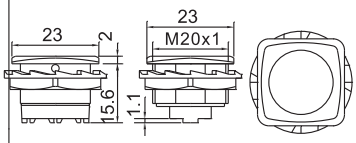
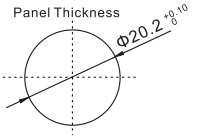
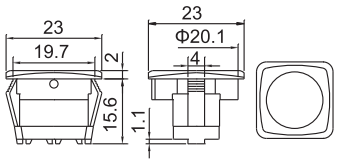
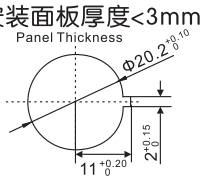
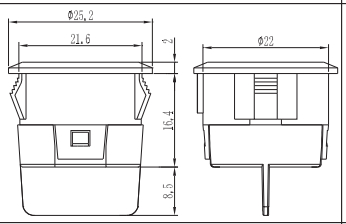
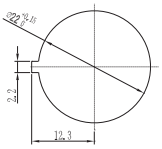
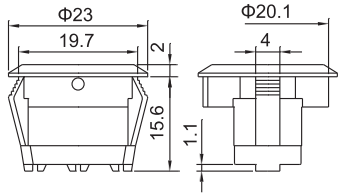
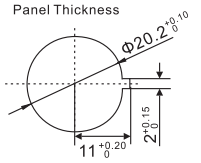
1 KCD8电路特征代码 CIRCUIT CODE

代码 Code	图解 Circuit	描述 Description	代码 Code	图解 Circuit	描述 Description
11		单极单掷 SP-ST	11N		单极单掷带灯 SP-ST Illuminated
12		单极双掷 SP-DT	11N1		单极单掷带灯 SP-ST Illuminated
13		单极三掷 SP-TT	22		双极双掷 DP-DT

2 操作件代码 ACTUATOR CODE

代码 Code	图解 Diagram	描述 Description	代码 Code	图解 Diagram	描述 Description
C		弧型面 Arc-Shaped	D		弧型面点发光 Arc-Shaped
F		防水弧型面 Waterproof arc surface			

3 外壳代码 HOUSING CODE

代码 Code	图解 Diagram	面板开孔尺寸(mm) Panel cut out	相配选择 Match the project selection		
			操作件 Actuator	电路 Circuit	接线端子 Terminal Blocks
A1		安装面板厚度<4mm Panel Thickness 	C / D/ F	11 / 11N / 11N1/ 12 / 13	A
A2		安装面板厚度<4mm Panel Thickness 	C / D	11 / 11N / 11N1/ 12 / 13	A
B2		安装面板厚度<3mm Panel Thickness 	C / D	11 / 11N / 11N1/ 12 / 13	A
B3		安装面板厚度<3mm Panel Thickness 	C	22	
B4		安装面板厚度<3mm Panel Thickness 	C / D/ F	11 / 11N / 11N1/ 12 / 13	A

4 接线端子代码 TERMINAL CODE

代码 Code	A	B
图解 Diagram		
描述 Description	4.8*0.8 端子 Terminal	4.8*0.8标准型 Standard

5 外壳颜色 HOUSING COLOR

代码(Code)	R	G	Y	S	W	B	P	A
颜色(Color)	红色 (Red)	绿色 (Green)	黄色 (Yellow)	蓝色 (Blue)	白色 (White)	黑色 (Black)	灰色 (Gray)	橙色 (Orange)

6 操作件颜色 ACTUATOR COLOR

代码(Code)	R	G	Y	S	W	B	P	A
颜色(Color)	红色 (Red)	绿色 (Green)	黄色 (Yellow)	蓝色 (Blue)	白色 (White)	黑色 (Black)	灰色 (Gray)	橙色 (Orange)

7 印字 Marking



01 03 04 08 09 11 12 17 ▪ ▪ ▪ ▪ ▪ ▪

具体见附表

8 灯电压 LAMP VOLTAGE

照明件(Lamp)	LED								氖灯(Neon)	
电压(Voltage)	DC6V	DC12V	DC24V	AC/DC6V	AC/DC12V	AC/DC24V	AC/DC110V	AC/DC220V	AC110V	AC220V
代码(Code)	DC 6	DC 12	DC 24	AC/DC6	AC/DC12	AC/DC24	AC/DC110	AC/DC220	AC 110	AC 220

选型注意事项 NOTE

- 操作件按钮的颜色比较多,主要的颜色为黑色,白色,红色,绿色。
  The operation of the button have a variety of colors , the main colors are black, white, red and green.
- 外壳的颜色主要为黑色及白色。
  The shell main colors are black and white.
- 带灯开关的灯类型主要为220V的氖灯产品,带LED的产品比较少，并且基本为24V直流LED。
  The main types of illuminate switch are 220V neon lamps, and less led products, and basically are led DC24V.
- 操作件按钮上印制的字符可根据客户的需求印制,目前已有的字符样式也有几十种,一般都可以满足客户的需求。
  The printing character on the button according to customer demand,there are a few dozen kinds can be printed and published at present usually can meet customer demand.
- 特殊电压电流及颜色需要定制。
  The special voltage, current and color needs to be customized.

KCD8产品图例 EXAMPLE


KCD8-12-CA2A-B-R-01


KCD8-12-CK2B-B-R-17


KCD8-12-CA1A-B-G-01


KCD8-11-CA2A-B-B-01


KCD8-13-CB1A-B-R-112


KCD8-13-CB1A-B-B-112


KCD8-11N-CK1B-B-R-17-220A


KCD8-11N1-DA1A-B-B-220A


KCD8-12-CB1A-B-R-01


KCD8-12-CB1A-B-B-01


KCD8-11-CA2A-B-B-01


KCD8-11-CB1A-P-P-01


KCD8-13-CA1A-B-B-112


KCD8-11-FB1A-B-B



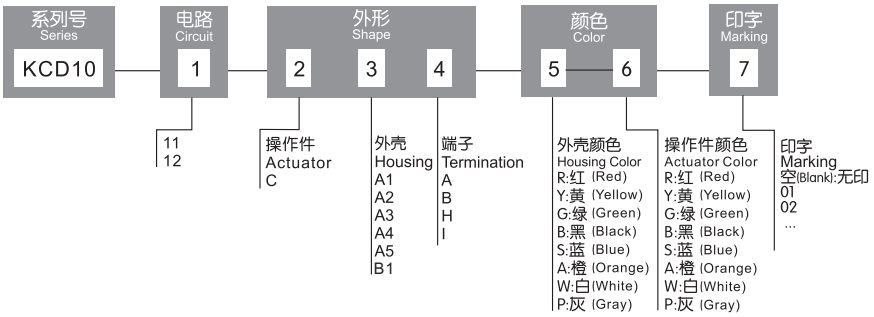
技术性能参数 SPECIFICATION

接触电阻（初始值）Contact Resistance	≤50mΩ
绝缘电阻（常态）Insulation Resistance	≥1,000MΩ
耐压（常态）Dielectric Strength	1,500V AC ，1min
工作环境温度 Operating Temperature	T55 , T85 , T105
电气寿命（次）Electronic Life(cycles)	10,000

电气额定值Max. Rating Current & Voltage

CQC CE	2A 250V AC

KCD10型号命名规则 HOW TO ORDER



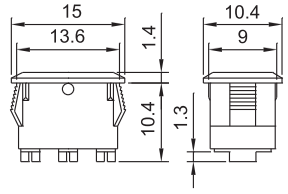
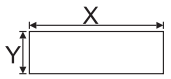
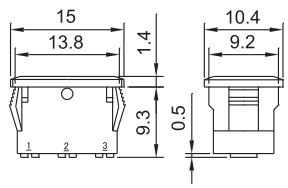
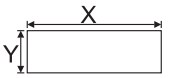
1 KCD10电路特征代码 CIRCUIT CODE

代码 Code	图解 Circuit	描述 Description
11	ON-OFF	单极单掷 SP-ST

2 操作件代码 ACTUATOR CODE

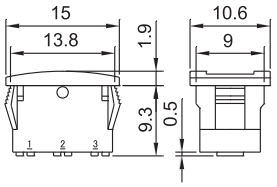
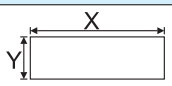
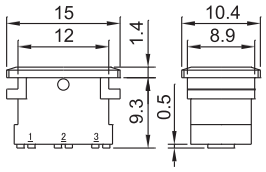
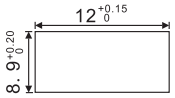
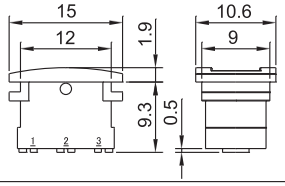
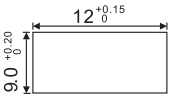
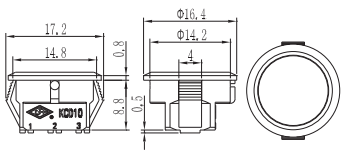
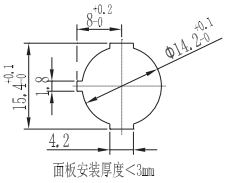
代码 Code	图解 Diagram	描述 Description
C		弧型面 Arc-Shaped

3 外壳代码 HOUSING CODE

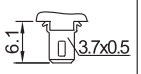
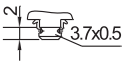
代码 Code	图解 Diagram	面板开孔尺寸(mm) Panel cut out	相配选择 Match the project selection		
			操作件 Actuator	电路 Circuit	接线端子 Terminal Blocks
A1		 Z:安装面板厚度 Panel Thickness	C	11	A/ H
A2		 Z:安装面板厚度 Panel Thickness	C	11	A/ H

Z	X	Y
0.75~1.25	13.7 $^{+0.10}_{0}$	9.1 $^{+0.10}_{0}$
1.25~2.00	13.8 $^{+0.10}_{0}$	9.1 $^{+0.10}_{0}$
2.00~3.00	13.9 $^{+0.10}_{0}$	9.1 $^{+0.10}_{0}$

Z	X	Y
0.75~1.25	13.9 $^{+0.10}_{0}$	9.3 $^{+0.10}_{0}$
1.25~2.00	14.0 $^{+0.10}_{0}$	9.3 $^{+0.10}_{0}$
2.00~3.00	14.1 $^{+0.10}_{0}$	9.3 $^{+0.10}_{0}$

代码 Code	图解 Diagram	面板开孔尺寸(mm) Panel cut out	相配选择 Match the project selection		
			操作件 Actuator	电路 Circuit	接线端子 Terminal Blocks
A3		 Z:安装面板厚度 Panel Thickness Z: 0.75~1.25 — X: 13.9 +0.10 0 — Y: 9.3 +0.10 0 1.25~2.00 — X: 14.0 +0.10 0 — Y: 9.3 +0.10 0 2.00~3.00 — X: 14.1 +0.10 0 — Y: 9.3 +0.10 0	C	11	A/ H
A4		安装面板厚度<1.5mm Panel Thickness 	C	11	A/ H
A5		安装面板厚度<1.3mm Panel Thickness 	C	11	A/ H
B1		 面板安装厚度<3mm	C	11	A/ H

4 接线端子代码 TERMINAL CODE

代码 Code	A	H
图解 Diagram		
描述 Description	3.7*0.5 标准型 Standard	3.7*0.5 焊接型 Welding type

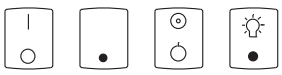
5 ：外壳颜色 HOUSING COLOR

代码(Code)	R	G	Y	S	W	B	P	A
颜色(Color)	红色 (Red)	绿色 (Green)	黄色 (Yellow)	蓝色 (Blue)	白色 (White)	黑色 (Black)	灰色 (Gray)	橙色 (Orange)

6 ：操作件颜色 ACTUATOR COLOR

代码(Code)	R	G	Y	S	W	B	P	A
颜色(Color)	红色 (Red)	绿色 (Green)	黄色 (Yellow)	蓝色 (Blue)	白色 (White)	黑色 (Black)	灰色 (Gray)	橙色 (Orange)

7 印字 Marking



01 07 110 111 具体见附表

选型注意事项 NOTE

- 操作件按钮的颜色比较多,主要的颜色为黑色,白色,红色,绿色。
  The operation of the button have a variety of colors , the main colors are black,white,red and green.
- 外壳的颜色主要为黑色及白色。
  The shell main colors are black and white.
- 操作件按钮上印制的字符可根据客户的需求印制。
  The printing character on the button according to customer demand.

KCD10产品图例 EXAMPLE



KCD10-11-CA1H-W-R-07



KCD10-11-CA2A-B-R-01

KCD11 系列船型波动开关
KCD10 Series Rocker Switches



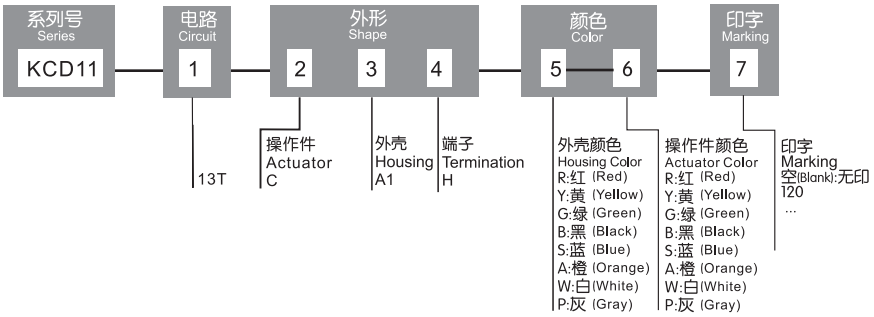
技术性能参数 SPECIFICATION

功能 Function	船型档位开关,三档
接触电阻（初始值） Contact Resistance	≤50mΩ
绝缘电阻（常态） Insulation Resistance	≥100MΩ
耐压（常态） Dielectric Strength	1500V
机械寿命（次） Mechanical Life(cycles)	>10000
电气寿命（次） Electronic Life(cycles)	10000
工作环境温度 Amibent temperature	-0℃~105℃
操作力 Nomal position	2.5-7N

电气额定值Max. Rating Current & Voltage

CQC CE	10(1)A /250V AC T105 注：单路负载 5(1)A 250VAC T105 Note：Single load

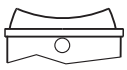
型号命名规则 HOW TO ORDER



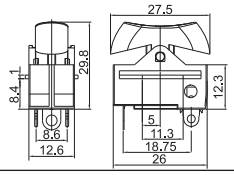
1 :电路特征代码 CIRCUIT CODE

代码 Code	图解 Circuit	描述 Note
13T	C 1 2 档位 / 电路: 0 I II C-1 OFF ON ON C-2 OFF OFF ON	单极三掷 SP-TT

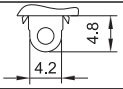
2 ： 操作件代码 ACTUATOR CODE

代码 Code	图解 Diagram	描述 Note
C		弧型面 Arc-Shaped

3 :外壳代码 HOUSING CODE

代码 Code	图解 Diagram	面板开孔尺寸(mm) Fix Size	相配选择Match the project selection		
			操作件 Actuator	电路 Circuit	接线端子 Terminal Blocks
A1		特殊安装 （根据产品外形配合固定）	C	13T	H

4 ： 接线端子代码 TERMINAL

代码 Code	H
图解 Diagram	
描述 Note	焊接型 Standard

5 ： 外壳颜色 HOUSING COLOR

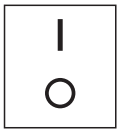
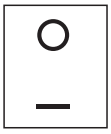
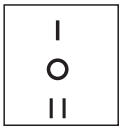
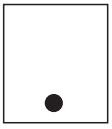
代码(Code)	R	G	Y	S	W	B	P	A
颜色(Color)	红色 (Red)	绿色 (Green)	黄色 (Yellow)	蓝色 (Blue)	白色 (White)	黑色 (Black)	灰色 (Gray)	橙色 (Orange)

6 ： 操作件颜色 ACTUATOR COLOR

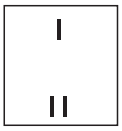
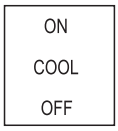
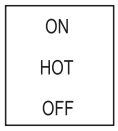
代码(Code)	R	G	Y	S	W	B	P	A
颜色(Color)	红色 (Red)	绿色 (Green)	黄色 (Yellow)	蓝色 (Blue)	白色 (White)	黑色 (Black)	灰色 (Gray)	橙色 (Orange)

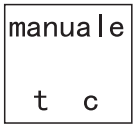
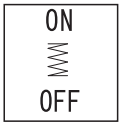
7 ： 印字 Marking

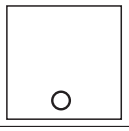


代码	001	002	003	004	005	006	007	008
图示								

代码	009	010	011	012	013	014	015	016
图示								

代码	017	018	019	020	021	022	023	024
图示								

代码	025	026	027	028	029	030	031	032
图示								

代码	033	034	035	036	037	038	039	040
图示								

代码	041	042	043	044	045	046	047	048
图示								

代码	049	050	051	052	053	054	055	056
图示								

代码	057	058	059	060	061	062	063	064
图示								

代码	065	066	067	068	069	070	071	072
图示	HIGH/HAUTE LOW/BASSE	REMOTE MANUAL	Auto Manuale	RUN STOP TOY	t c Manuale	t c Manuale	AUTOMATIC	FORWARD STOP REVERSE

代码	073	074	075	076	077	078	079	080
图示	GOAHEAD STOP BACK				II I R	I II R	开 保鲜 关	开 消毒 关

代码	081	082	083	084	085	086	087	088
图示	自动停 手动	高速 高效	助力 健身	力速 加加	强力 变频	爬坡 行驶 节能	超动 车力 经济	经济模式 运动模式

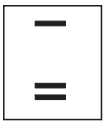
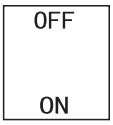
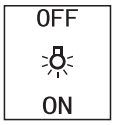
代码	089	090	091	092	093	094	095	096
图示	高中 低	内 外	巡航	III II I	II I 0	ON POWER OFF	ON OFF ON	RUN STOP

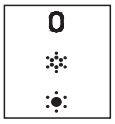
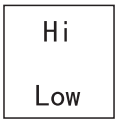
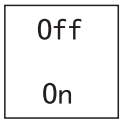
代码	097	098	099	100	101	102	103	104
图示	E • S	L • R	A • M	PNA	AE	EP	ECO	

代码	105	106	107	108	109	110	111	112
图示			STOP	STOP				

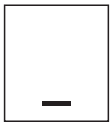
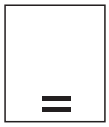
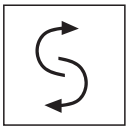
代码	113	114	115	116	117	118	119	120
图示			ON 自动 OFF	Frontward Backward		ION	SI NO	II I 0

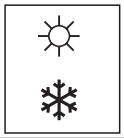
代码	121	122	123	124	125	126	127	128
图示	开 加热 关	I	II		关 电源 开	ON 1	ON 2	ON 3

代码	129	130	131	132	133	134	135	136
图示								

代码	137	138	139	140	141	142	143	144
图示								

代码	145	146	147	148	149	150	151	152
图示								

代码	153	154	155	156	157	158	159	160
图示								

代码	161	162	163	164	165	166	167	168
图示								

代码	169	170	171	172	173	174	175	176
图示								

代码	177	178	179	180	181	182	183	
图示								

SCB系列过载保护开关
SCB series switch with circubit breaker



技术性能参数 SPECIFICATION

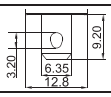
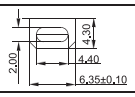
功能 Function	集成电源开关功能及过载保护功能 Provides power switching and circuit protection in a single unit
额定电流 Rating Current	5-15A
额定电压 Rating Voltage	AC125V 220V DC50V
绝缘电阻（常态） Insulation Resistance	≥100MΩ DC500V
耐压（常态） Dielectric Strength	AC 1500V 1min
寿命（次） Life(cycles)	>6000
工作环境温度 Ambient temperature	-10℃~60℃

型号命名规则 HOW TO ORDER

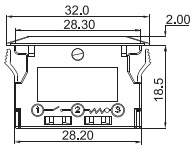
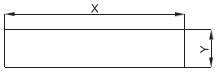
系列号 Series	电路 Circuit		外形 Shape			颜色 Color		印字 Marking	灯电压 Voltage
SCB	1	2	3	4	5	6	7	8	9	10

- SCB: Switch with circuit breaker 的简写:SCB意为带过载保护功能的开关
- 1: 产品系列号(Series No.) 1,2,3...
- 2: 带灯选项 (lamp option) L:带灯(illuminated) 空(blank):不带灯(none)
- 3: 额定电流 (Current Rating) 05:5A 06:6A ... 15:15A
- 4: 端子 Termination 1,2,3
- 5: 基座 Base A,B,C
- 6: 操作件 Actuator A,B,C
- 7: 操作件颜色 Actuator Color R:红 (Red) Y:黄 (Yellow) G:绿 (Green) B:黑 (Black) S:蓝 (Blue) A:橙 (Orange) W:白(White) P:灰 (Gray)
- 8: 基座颜色 Base Color R:红 (Red) Y:黄 (Yellow) G:绿 (Green) B:黑 (Black) S:蓝 (Blue) A:橙 (Orange) W:白(White) P:灰 (Gray)
- 9: 印字 Marking 1:模刻 Reset/OFF Reset/OFF Molded
- 10: 灯电压 Lamp Voltage （灯压需与开关电路电压相同） 220V：220V AC 110V：110V AC 50D：50V DC 24D：24V DC 12D：12V DC

4 端子 Terminal

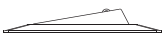
代码 Code	1	2
图解 Diagram		
描述 Note	焊接型 Standard	短焊接型 Standard

5 基座 Base

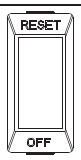
代码 Code	图解 Diagram	面板开孔尺寸(mm) Panel cut out
A		

面板厚度 Panel thickness	X	Y
0.75-1.25	$28.35^{+0.1}_{-0}$	$13.00^{+0.1}_{-0}$
1.25-2.00	$28.40^{+0.1}_{-0}$	$13.00^{+0.1}_{-0}$
2.00-3.00	$28.45^{+0.1}_{-0}$	$13.00^{+0.1}_{-0}$

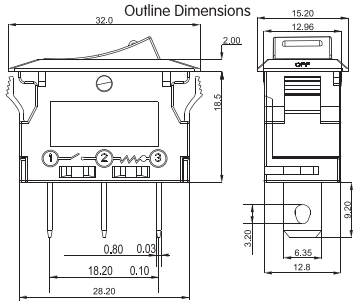
6 操作件 Actuator

代码 Code	图解 Diagram	描述 Note	代码	图解	描述	代码	图解	描述
C		弧型面 Arc-Shaped	A		平面	B		V型面

9 印字 Marking

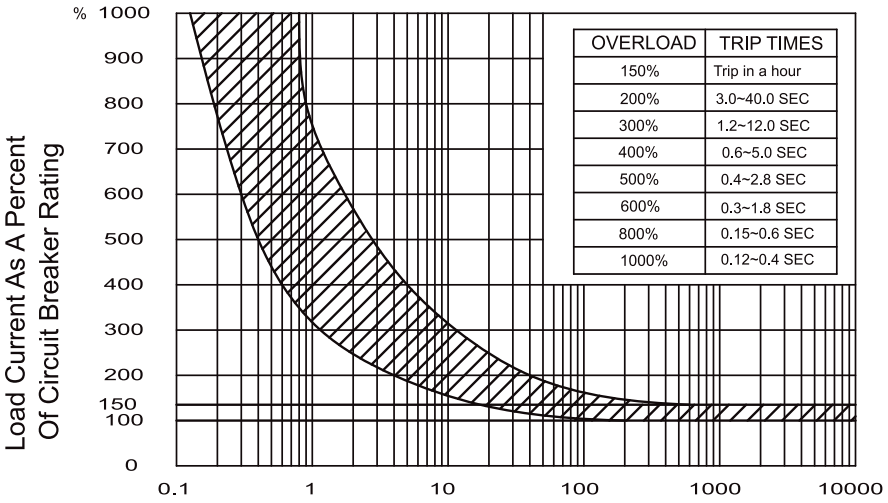
代码 Code	1
图解 Diagram	
描述 Note	模刻 Reset/OFF Reset/OFF Molded

外形尺寸图 Outline Dimensions



脱扣曲线与温度补偿系数参考以下

Trip Curves



Time In Seconds

Trip Curves Are Specified at 25°C/77°F

Capacity Correction Factors For Ambient Temperatures									
Current Rating Amps	Temperature								
	°F	+23	+32	+68	+77	+86	+104	+122	+140
	°C	-5	+0	+20	+25	+30	+40	+50	+60
5 to 6A		.75	.80	.90	1.00	1.05	1.10	1.20	1.40
7 to 15A		.80	.85	.95	1.00	1.05	1.15	1.25	1.40

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