

IP防护等级说明 IP Protection Degree Explanation



第一位数码(防止固体异物进入)

The first digital(to prevent the entry of solid foreign objects)

IP	要求 Requirement	举例 Example
0	无防护 Unprotected	
1	直径50mm的球型物体不得完全进入, 不得触及危险部件。如手背。 50mm diameter spherical objects may not enter, and not touch the dangerous parts. Such as the arm.	
2	直径12.5mm的球型物体不得完全进入, 铰接试指应与危险部件有足够的间隙。如手指。 Diameter 12.5mm spherical objects must not enter, hinged test means and dangerous parts have sufficient clearance. Such as a finger.	
3	直径2.5mm的器具不得进入, 如工具。 Allowed to enter the trial with 2.5mm in diameter. Such as tools.	
4	直径1mm的器具不得进入, 如金属丝。 1mm in diameter test with will not be allowed to enter. Such as metal wire.	
5	允许有限的灰尘进入 (没有有害的沉积)。 Allow limited dust to enter (no harmful deposits).	
6	完全防止灰尘进入。 Completely prevent dust from entering.	

第二位数码(防止进水造成有害影响)

Second digital (to prevent water harmful effects)

IP	简述 Briefly	举例 Example	防水 Waterproof
0	无防护 Unprotected	无 No	无防护 Unprotected
1	水进入少量许水, 允落滴防止垂直下。 Prevent the vertically falling drops of water to allow a small amount of water to enter.		垂直滴水 Vertical drips of water
2	防止当外壳在15°范围内倾斜时垂直下落滴水, 允许少量水进入。 Prevent the shell in the range of 15° tilted vertically falling drops of water to allow a small amount of water to enter.		15°滴水与垂直面成 And the vertical plane of 15°drips
3	防止与垂直面成60°范围内淋水, 允许少量水进入。 Prevent vertical to 60° range of watering, allow a small amount of water to enter.		少量淋水 A small amount of water spray
4	防止任何方向的溅水, 允许少量水进入。 Splashing water to prevent any direction, allowing a small amount of water to enter.		任何方向的溅水 Any direction of the splashing
5	防止喷水, 允许少量水进入。 To prevent water spray, allowing a small amount of water to enter.		任何方向的喷水 Water spray in any direction
6	防止强烈喷水, 允许少量水进入。 Prevent strong water spray, allowing a small amount of water to enter.		任何方向的强烈喷水 Water spray in any direction
7	防止15mm~1m深的浸水影响。 Prevent the impact of 15mm~1m deep soaking.		短时间浸水 Short-term flooding
8	防止在有压力下长期浸水。 Prevent long-term immersion in water under pressure.		持续浸水 Continuous immersion in water

外壳防护等级说明 Crust Protection Degree Explanation

防护等级 Protection Degree	锤质量A Hammer Quality A	锤击初始高度H H:The Hammer initial height H	撞击能量 Hit capacity
IK01	150g	10cm	0.15J
IK02	200g	10cm	0.20J
IK03	250g	15cm	0.35J
IK04	250g	20cm	0.50J
IK05	350g	20cm	0.70J
IK06	250g	40cm	1J
IK07	500g	40cm	2J
IK08	1.25kg	40cm	5J
IK09	2.50kg	40cm	10J
IK10	50kg	40cm	20J

撞击示意图 Hit diagram

说明 Explanation

外壳的相同部位在受到3次相应等级能量的机械撞击后, 不使开关受到有害影响。
The same parts of the shell by three times the energy of the appropriate level of mechanical shock, do not make the switch to be adversely affected.

符合标准 Meet the standards: GB/T20138-2006, IEC62262-2002
采用试验标准 The experimental standard: GB/T2423.55-2006, IEC60068-2-75:1997

标识列举 Identifies Examples



文字标识 Text identity

分闸 1	合闸 2	启动 3	停止 4	打开 5	关闭 6	上升 7	下降 8	开 9	关 10
复位 11	故障 12	试验 13	电源 14	手动 15	自动 16	事故 17	备用 18	投入 19	切除 20
ON 21	OFF 22	UP 23	DOWN 24	STOP 25	START 26	OPEN 27	COLSE 28	RESET 29	FAULT 30

数字及符号 Numbers and symbols

1 31	2 32	3 33	4 34	5 35	6 36	7 37	8 38	9 39	0 40
▲ 41	▼ 42	# 43	* 44	> 45	+	-	△	! (triangle)	⏻ 50

ISO符号 ISO Symbols

51 直线移动 51 Linear Movement	52 转动 52 Turn	53 启动 53 Start	54 停止 54 Stop	55 启动停止 55 Start Stop	56 点动 56 Jog
57 泵 57 Pump	58 冷动泵 58 Chilled Water Pump	59 润滑泵 59 Lubrication pump	60 液压泵 60 Hydraulic pump	61 自动或半自动循环 Automatic or semi-automatic cycle	62 限位直线移动 Limit linear movement

特殊符号 Special Symbols

63	64	65	66	67	68
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注: 以上图标符号均需定制。
Note: The above symbols need to be customized.