

CZ1246 全塑防爆行程开关

Full plastic explosion-proof position switches

面板式安装防爆电器

Explosion-proof electrical appliances for panel mounting



CZ1246

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描述:

防爆行程开关主要应用于危险场所内，对运动部件的行程进行通断控制。防护外壳是由高强度和抗静电的合金塑料制成，高温性能与低温性能优良；壳体内装防爆开关元件，有多种触点形式供选择；操作头可以沿24个方向旋转，以每15°进行调节，多种操作头灵活适用各种要求。

- 内装防爆元件独立认证（U证）
- 四种触点型式（快动、慢动）
- 安装简易
- 高度的化学稳定
- 防护等级 IP66
- IECEx国际认证、ATEX欧盟认证

Descriptions:

Explosion-proof position switches mainly apply to on-off controls of the active parts in hazardous areas. The protective enclosures are made of hard and anti-static plastic alloy, also have good performance in high and low temperature. There are Ex switch components to be mounted inside, with many different contacts types for your options. The operator can be directed in 24ways and adjusted each 15°. Many different operation heads are available for your different requests.

- Certified built-in Ex component (U-certificate)
- 4 types of contacts(fast-action, slow-action)
- Easy installation
- High chemical performance
- Degree of protection IP66
- IECEx International Approval, ATEX European Approval

1 区和 2 区 **Zone 1 and zone 2**

21 区和 22 区 **Zone 21 and zone 22**

主要数据 Main technical data:

认证 Certification	防爆标志 Ex mark	符合标准 Meet the standard
China: CE16.5003X	Ex de IIC T6 Gb Ex tD A21 IP66 T80°C (Ie ≤ 6A, Ta ≤ +50°C) Ex de IIC T5 Gb Ex tD A21 IP66 T95°C (6A < Ie ≤ 10A, Ta ≤ +40°C)	GB3836 GB12476
IECEX: IECEX CQM 16.0014X	Ex db e IIC T6 Gb Ex tb IIIC T80°C Db (Ie ≤ 6A, Ta ≤ +50°C) Ex db e IIC T5 Gb Ex tb IIIC T95°C Db (6A < Ie ≤ 10A, Ta ≤ +40°C)	IEC60079
ATEX: Sira 16ATEX1269X	⊕ II 2 GD Ex db eb IIC T6 Gb Ex tb IIIC T80°C Db (Ie ≤ 6A, Ta ≤ +50°C) ⊕ II 2 GD Ex db eb IIC T5 Gb Ex tb IIIC T95°C Db (6A < Ie ≤ 10A, Ta ≤ +40°C)	EN60079

适用范围: 用于 1 区和 2 区, 用于 21 区和 22 区
 使用环境温度: -20°C ≤ Ta ≤ +40°C (6A < Ie ≤ 10A)
 -20°C ≤ Ta ≤ +50°C (Ie ≤ 6A)

防护等级: IP66

抗冲击性能: 4J

额定电压: 最大 320V AC、250V DC

额定电流: 最大 10A

额定频率: 50/60Hz

元件端子: 4 × 0.5 ~ 1.5mm²

外壳材料: 抗静电合金塑料

电缆入口: 塑制 1 × M20 电缆外径 Φ5.5~13mm

符合: CE 2460

符合低压电器标准: IEC60947-5-1、EN60947-5-1

使用类别: AC-12、AC-15、DC-12

限制短路电流: 1kA

短路保护: 16A/500V

保护特性: gG (符合 IEC60269-1、EN60269-1)

Intended use: Can be used in zone 1 and zone 2

Can be used in zone 21 and zone 22

Ambient temperature: -20°C ≤ Ta ≤ +40°C (6A < Ie ≤ 10A)

-20°C ≤ Ta ≤ +50°C (Ie ≤ 6A)

Degree of protection: IP66

Impact resistance: 4J

Rated voltage: max 320V AC, 250V DC

Rated current: max 10A

Rated frequency: 50/60Hz

Component terminal: 4 × 0.5 ~ 1.5mm²

Material of enclosure: Alloy plastic of static resistance

Cable entry: Molded plastic 1 × M20, cable outer diameter Φ5.5~13mm

Conformity to: CE 2460

Conformity to low voltage electrical standards: IEC60947-5-1, EN60947-5-1

Utilization category: AC-12, AC-15, DC-12

Limit short-circuit current: 1kA

Short-circuit protection: 16A/500V

Protection: gG (conformity to IEC60269-1, EN60269-1)

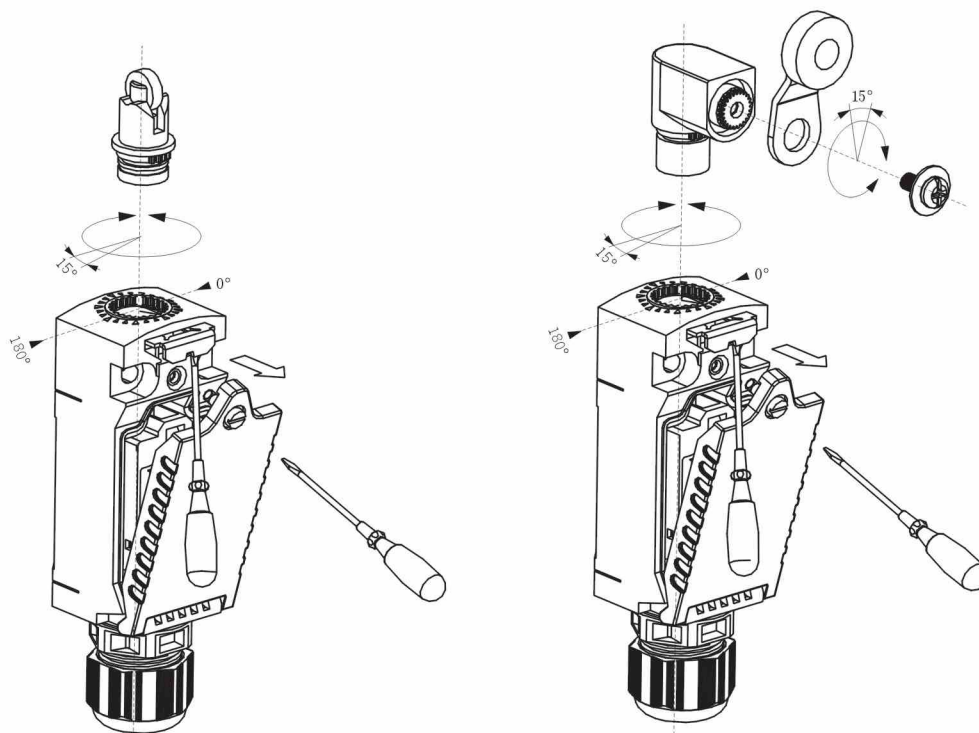
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操作头安装示意图 Installation diagram of operator

所有的操作头带有齿轮形定位点, 均可安装在本体带有 360° 卡槽内, 以每 15° 进行调节。

CZ1246/1-□-ZCY45-01、CZ1246/1-□-ZCY49-01 该二个产品操作头仅限安装在 0° 和 180° 。

All operators having gear fixed point can be mounted in enclosure with 360° slot and can be adjusted every 15° .

The operators of these two products CZ1246/1-□-ZCY45-01, CZ1246/1-□-ZCY49-0 can be mounted 0° and 180° .



操作头形式
Type of operator

操作头 + 触发头形式
Operator + trigger head

订购规格 Order specifications:

图样 Illustration	操作头形式 Type of operator	触发头形式 Trigger head	重量(kg) Weight	订购号 Order No.
	热塑滚轮水平推杆 Thermoplastic roller Horizontal push rod		0.100	CZ1246/1-□-ZCE21-00
	热塑滚轮垂直推杆 Thermoplastic roller Vertical push rod		0.100	CZ1246/1-□-ZCE27-00
	热塑滚轮水平或垂直推杆 Thermoplastic roller horizontal or vertical push rod		0.105	CZ1246/1-□-ZCE28-00
	M12 直动式 Straight operated type M12		0.106	CZ1246/1-□-ZCEF0-00
	M12 钢滚轮直动式 Straight operated with steel roller M12		0.114	CZ1246/1-□-ZCEF2-00
	钢滚轮直动式 Straight operated with steel roller		0.095	CZ1246/1-□-ZCE02-00
	直动式 Straight operated type		0.086	CZ1246/1-□-ZCE10-00
	带保护套式的直动式 Straight operated type with protective sleeve		0.095	CZ1246/1-□-ZCE11-00




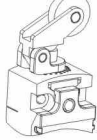



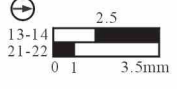
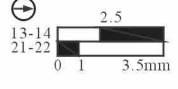



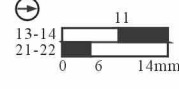

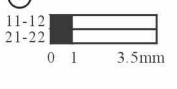
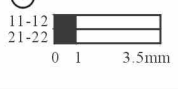


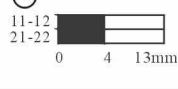





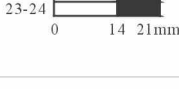
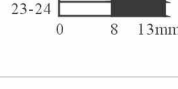


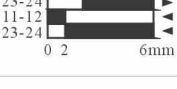
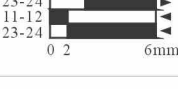

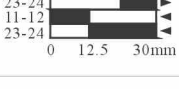
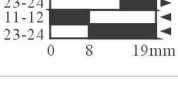
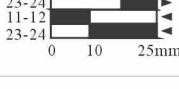
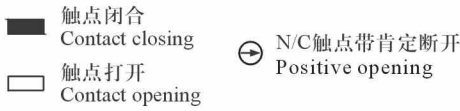


订购规格 Order specifications:

图样 Illustration	操作头形式 Type of operator	触发头形式 Trigger head	重量(kg) Weight	订购号 Order No.
	猫须式 Whisker type		0.099	CZ1246/1-0-ZCE06-00 CZ1246/1-1-ZCE06-00 CZ1246/1-2-ZCE06-00
	热塑滚轮摇杆轨道24/40mm Rail of thermoplastic roller rocker 24/40mm	弹簧返回双向触发 Two-ways triggering when spring returned	0.130	CZ1246/1-□-ZCY18-01
	热塑滚轮摇杆Φ50mm Thermoplastic roller rocker Φ50mm	弹簧返回双向触发 Two-ways triggering when spring returned	0.103	CZ1246/1-□-ZCY39-01
	可调热塑滚轮摇杆 Adjustable thermoplastic roller rocker	弹簧返回双向触发 Two-ways triggering when spring returned	0.140	CZ1246/1-□-ZCY45-01
	可调热塑滚轮摇杆Φ50mm Adjustable thermoplastic roller rocker Φ50mm	弹簧返回双向触发 Two-ways triggering when spring returned	0.112	CZ1246/1-□-ZCY49-01

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- 一常开一常闭 (慢动) / 1NO + 1NC (Slow-action contact) — 0
 - 二常闭 (慢动) / 2NC (Slow-action contact) — 1
 - 二常开 (慢动) / 2NO (Slow-action contact) — 2
 - 一常开一常闭 (瞬动) / 1NO + 1NC (Snap-action contact) — 3
- 触点结构 Contact point

触点结构及行程 Contact point of Position

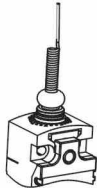



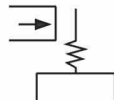
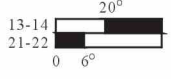
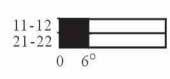
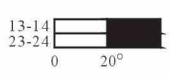
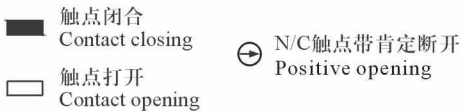
操作头Operator		直动式 (本体固定) Straight operated type (body fitted)					
A 操作头类型 Type of operator							
	直动式 Straight operated type	带保护套式的直动式 Straight operated type with protective sleeve	钢滚轮直动式 Straight operated with steel roller	热塑滚轮水平或垂直推杆 Thermoplastic roller horizontal or vertical push rod	热塑滚轮水平推杆 Thermoplastic roller horizontal push rod	热塑滚轮垂直推杆 Thermoplastic roller Vertical push rod	
触点型式、型号 Model of contact, Type							
 1NO + 1NC 先断后合, 慢动 Breaking before making, slow-action							
 2NC 同步, 慢动 Synchronous, slow-action							
 2NO 同步, 慢动 Synchronous, slow-action							
 1NO + 1NC 瞬动 Snap-action							
触点动作 Contact operation							
特性 Features							
触发 Trigger	在末端 At the end			30° 角凸沿 Flanged type 30°			
触发类型 Trigger type							
最大触发速度 Max. tripping speed	0.5m/s			1m/s			
最小力或扭矩 Min. Power or torque	触发 Trigger	15N			12N		
	肯定断开操作 Breaking definitely	45N			36N		
电缆进线孔 Hole for cable entering	1个M20 × 1.5电缆进线孔			1 × M20 × 1.5 Cable entry			

触点结构及行程 Contact point of Position

操作头Operator	直动式 (头部固定) Straight operated type(head fitted)		摇杆 (本体固定) Rocker(body fitted)			
操作头类型 Type of operator						
	M12直动式 Straight operated type M12	M12钢滚轮直动式 Straight operated with steel roller M12	热塑滚轮摇杆轨道 Rail of thermoplastic roller rocker 24/40mm	热塑滚轮摇杆 Thermoplastic roller rocker Φ 50mm	可调热塑滚轮摇杆 Adjustable thermoplastic roller rocker	可调热塑滚轮摇杆 Adjustable thermoplastic roller rocker Φ 50mm
触点型式、型号 Model of contact, Type						
 1NO + 1NC 先断后合, 慢动 Breaking before making, slow-action	CZ1246/1-0-ZCEF0-00 2.5 13-14 21-22 0 1 3.5mm	CZ1246/1-0-ZCEF2-00 5 13-14 21-22 0 2 7mm	CZ1246/1-0-ZCY18-01 30° 13-14 21-22 0 15° 50°	CZ1246/1-0-ZCY39-01 30° 13-14 21-22 0 15° 50°	CZ1246/1-0-ZCY45-01 30° 13-14 21-22 0 15° 50°	CZ1246/1-0-ZCY49-01 30° 13-14 21-22 0 15° 50°
 2NC 同步, 慢动 Synchronous, slow-action	CZ1246/1-1-ZCEF0-00 11-12 21-22 0 1 3.5mm	CZ1246/1-1-ZCEF2-00 11-12 21-22 0 2 7mm	CZ1246/1-1-ZCY18-01 11-12 21-22 0 15° 50°	CZ1246/1-1-ZCY39-01 11-12 21-22 0 15° 50°	CZ1246/1-1-ZCY45-01 11-12 21-22 0 15° 50°	CZ1246/1-1-ZCY49-01 11-12 21-22 0 15° 50°
 2NO 同步, 慢动 Synchronous, slow-action	CZ1246/1-2-ZCEF0-00 13-14 23-24 0 2.5 3.5mm	CZ1246/1-2-ZCEF2-00 13-14 23-24 0 5 7mm	CZ1246/1-2-ZCY18-01 13-14 23-24 0 30° 50°	CZ1246/1-2-ZCY39-01 13-14 23-24 0 30° 50°	CZ1246/1-2-ZCY45-01 13-14 23-24 0 30° 50°	CZ1246/1-2-ZCY49-01 13-14 23-24 0 30° 50°
 1NO + 1NC 瞬动 Snap-action	CZ1246/1-3-ZCEF0-00 4.5 11-12 23-24 23-24 0 2 6mm	CZ1246/1-3-ZCEF2-00 9.5 11-12 23-24 11-12 23-24 0 5 11mm	CZ1246/1-3-ZCY18-01 70° 11-12 23-24 11-12 23-24 0 35° 90°	CZ1246/1-3-ZCY39-01 70° 11-12 23-24 11-12 23-24 0 35° 90°	CZ1246/1-3-ZCY45-01 70° 11-12 23-24 11-12 23-24 0 35° 90°	CZ1246/1-3-ZCY49-01 70° 11-12 23-24 11-12 23-24 0 35° 90°
触点动作 Contact operation	触点闭合 Contact closing 触点打开 Contact opening N/C触点带肯定断开 Positive opening					
特性 Features						
触发 Trigger	在末端 At the end		30°角凸沿 Flanged type 30°			
触发类型 Trigger type						
最大触发速度 Max. tripping speed	0.5m/s		1.5m/s			
最小力或扭矩 Min. Power or torque	触发 Trigger	15N	10N	0.1N.m		
	肯定断开操作 Breaking definity	45N	36N	0.25N.m		
电缆进线孔 Hole for cable entering	1个M20 × 1.5电缆进线孔 1 × M20 × 1.5 Cable entry					

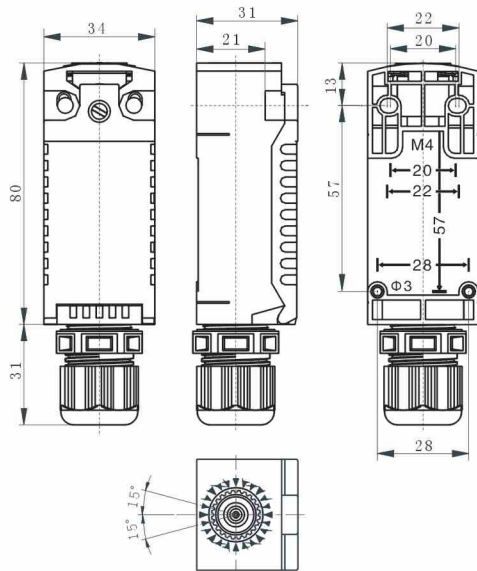
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触点结构及行程 Contact point of Position

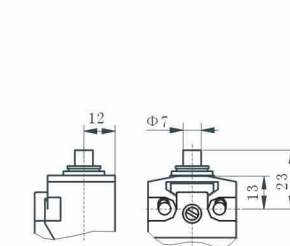
操作头Operator	万向 (本体固定) Any direction(body fitted)		
操作头类型 Type of operator	 猫须式 Whisker type		
触点型式、型号 Model of contact, Type		特性 Features	
CZ1246/1-0-ZCE06-00  1NO + 1NC 先断后合, 慢动 Breaking before making, slow-action	CZ1246/1-1-ZCE06-00  2NC 同步, 慢动 Synchronous, slow-action	CZ1246/1-2-ZCE06-00  2NO 同步, 慢动 Synchronous, slow-action	触发 Trigger 触发类型 Trigger type 任何移动部件 Any moveable part 
CZ1246/1-0-ZCY49-01 	CZ1246/1-1-ZCY49-01 	CZ1246/1-2-ZCY49-01 	最大触发速度 Max. tripping speed 1m/s 最小力或扭矩 Min. Power or torque 触发 Trigger 0.15N.m
触点动作 Contact operation			
电缆进线孔 Hole for cable entering	1个M20 × 1.5电缆进线孔 1 × M20 × 1.5 Cable entry		

备件和配件 Accessories and spare parts

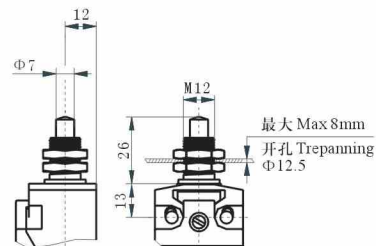
图样 Illustration	触点型式 Model of contact	防爆标志 Ex mark	重量(kg) Weight	订购号 Order No.
	 1NO + 1NC 先断后合, 慢动 Breaking before making, slow-action	 II 2G Ex db e II C Gb	0.029	CZ0207-0
	 2NC 同步, 慢动 Synchronous, slow-action			CZ0207-1
	 2NO 同步, 慢动 Synchronous, slow-action			CZ0207-2
	 1NO + 1NC 瞬动 Snap-action			CZ0207-3

外形安装尺寸 Outline and installation dimensions:


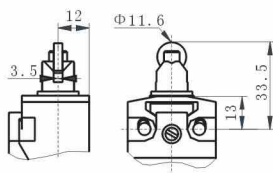
CZ1246 本体 Enclosure



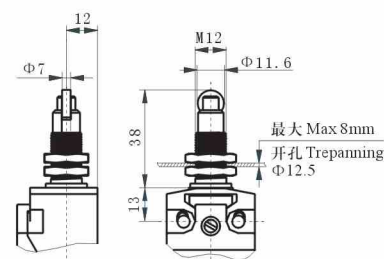
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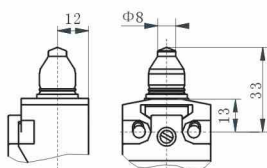
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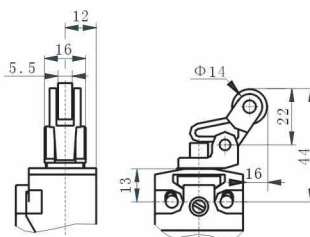
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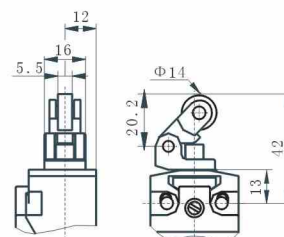
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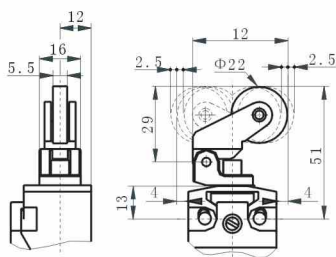
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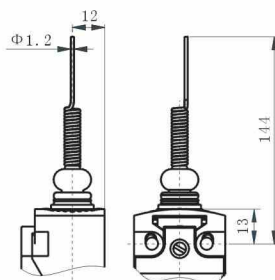
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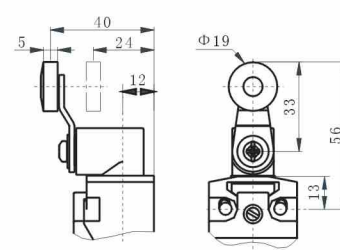
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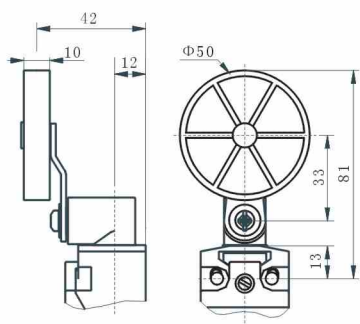
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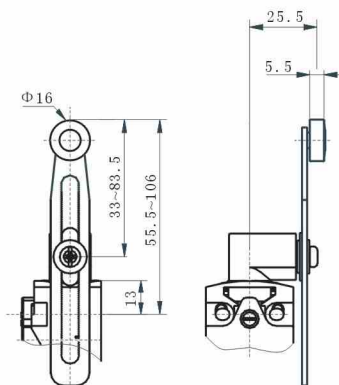
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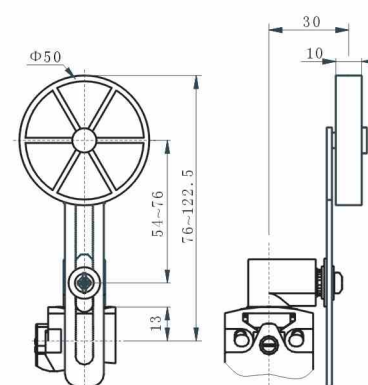
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