

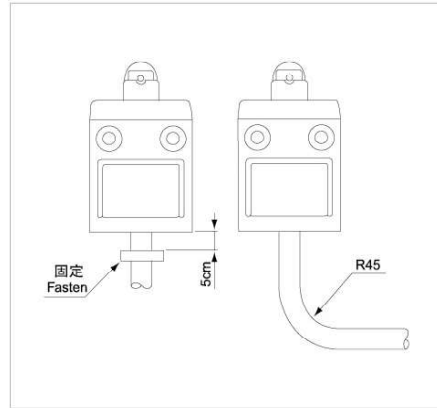
TZ-3 防水限位开关 Waterproof Limit Switch

TMazTZ
永得工控开关

配线注意事项 Fastening Of The Switch Cable

配线需注意于离开开关 5cm 处须加以固定，而电线之弯曲半径不得小于 R45cm，注意勿伤及电线绝缘体，以避免电线漏电等情形。

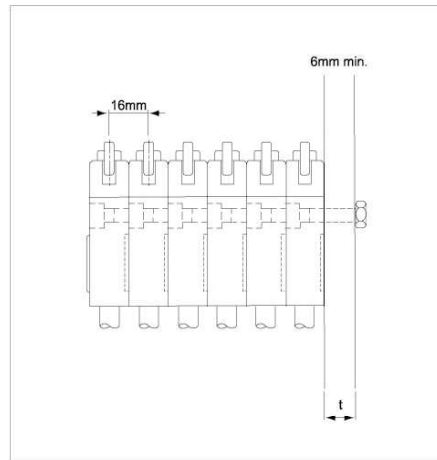
The switch bodies are filled with resin for sealing purposes. To avoid stressing the cable and switch body, fasten the switch at 5 cm or farther away from the switch body, should the wire be bent, the bending radius shall be at least 45mm.



多连接使用的场合 Switch Bank Mounting

需连接多组使用的场合时，最多可连接 6 组开关，连接时，开关表面之凹凸槽相互配合，另板厚 t 之尺寸应在 6mm 以上为适当。

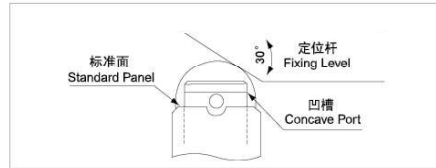
A maximum of six switches may be mounted together as a switch bank. During the installation, the convex part of the switch back. The mounting panel shall be 6mm or thicker.



安装注意事项 Installation

凸轮与定位杆等形状，频率及动作后移动等，将会影响使用寿命与精度，因此建议定位杆之角度约 30°，而定位杆之表面粗糙度，以上，硬度 HV400~500，在设定开关之行程时，凹沟必须高于标准面之上为最适当之位置。

The service life and accuracy of switches will be effected by the shape of actuator operation frequency & over travel. So the angular of the fixing level should be about 30° , the surface finish of the fixing level should be over, the hardness is from HV400~500. When installing, the position of the concave part should be above the standard panel



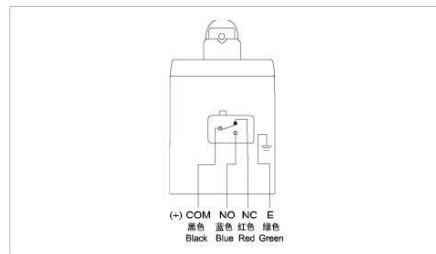
安装注意事项 Mounting

请依下表所示选择最适当之旋转扭力，施行锁紧作业，以避免危害开关本体。

Recommended tightening torque according to the following form.

编号 Model	螺丝尺寸 Screw type	最适当之旋转扭力 Torque
1	M5 六角孔螺柱之固定螺丝 M5 fastening screws	43.4~52lb.in (50~60kgf.cm)
2	头部 M3.5 之安装螺丝 M3.5 installing screws	6.9~7.9lb.in (8~9kgf.cm)

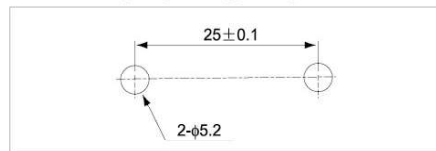
接点型式 Contact Types



装配孔之尺寸 Mounting Holes

安装板发生弯曲或凸起之状态，会造成安装上之不良，安装板请经筛选确认后，再予以使用。

Mount the switch body to a rigid mounting panel using two M5 screws.



T4N 小型安全限位开关 Miniature Safety Limit Switch

TMazTZ
永得工控开关

特征 Features

- 强制断开动作装置 (仅 NC 接点)，可以在发生像接点熔断等故障时断开接点。
- 标准的镀金接点保证了接触的高可靠性，可用于标准负载及微小负载。
- 强化了顶部密封结构，以提高密封性能。
- 内置接点座具有速动型：1NC/1NO、2NC；慢动型：1NC/1NO、2NC
- Forced open action device (NC contacts only), it can disconnect the contact when the contact has fusing and other failures.
- Standardized gold-plated contacts provide high contact reliability. Can be used with both standard loads and microloads.
- Strengthened top seal structure improves the sealing performance.
- Built-in contact holder has fast-action type: 1NC/1NO; Slow-action: 1NC/1NO and 2NC

特性 Characteristics

保护等级 *1 Protection level*1	IP66
机械 Mechanical	100 万次以上 *5 More than 10,000,000 times*5
寿命 *2 Life*2	电气 Electrical 50 万次以上 (AC250V 3A、电阻负载) *3 More than 500,000 times (AC250V 3A, resistive load) *3 30 万次以上 (AC250V 10A、电阻负载) More than 300,000 times (AC250V 10A, resistive load)
操作速度 Operating speed	1 ~ 500mm/s (C4N~1120)
操作频率 Operating frequency	最大 30 次 /min Max. 30 times/min
接触电阻 Contact resistance	25mΩ 以下 25 mΩ or less
最小使用负载 *4 Minimum working load *4	DC5V 1mA 电阻负载 (N 标准参考值) 1mA resistive load below DC5V (N standard reference value)
额定绝缘电压 (UI) Rated insulation voltage (UI)	300V
防触电保护等级 Electric shock proof protection grade	Class II (双重绝缘) Class II (double insulated)
污染度 (使用环境) Pollution degree (environmental conditions)	污染度 3 (EN60947-5-1) Pollution degree 3 (EN60947-5-1)
耐电压 Withstand voltage (EN60947-5-1)	同极端子间: 2.5kV Between homopolar terminals: 2.5kV 异极端子间: 4kV Between heteropolar terminals: 2.5kV 各端子和非充电金属部件: 6kV Between terminals and uncharged metal parts: 6kV
绝缘电阻 Insulation resistance	100MΩ 以上 Above 100MΩ
接点间隙 Contact gap	最小 2 × 0.5mm 速动型、 最小 2 × 2mm 慢动型 Minimum 2 × 0.5mm quick-action type, Minimum 2 × 2mm slow-action type
振动 Vibration	误动作 Malfunction 10 ~ 55Hz 0.75mm 单振幅 10 ~ 55Hz 0.75mm single amplitude
冲击 Impact	耐久 Duration 1,000m/s² 误动作 Malfunction 300m/s²
环境温度 Ambient temperature	-20 ~ +70°C (无结冰、结露) -20 ~ +70°C (No ice or dew)
环境湿度 Ambient humidity	95%RH 以下 Less than 95% RH
质量 Weight	约 82g (T4N-1120) About 82g (T4N-1120) 约 99g (T4N-5120) About 99g (T4N-5120)

注 1. 上述值为初始值。

2. 一旦接点连接标准负载后，就可用于连接更小容量的负载。否则可能导致接点表面粗糙，从而失去接触可靠性。
- (1) 保护等级是依照 IEC60947-5-1 规格进行测试得出的。使用前的寿命在实际使用的环境、条件下难以预测。开关本身具有防尘、防油构造，但应尽可能保持头部在没有颗粒、粉尘、油污、化学品的场所使用。否则可能导致短路、损坏或故障。
- 耐久性的条件是环境温度 5°C ~ 35°C、使用环境湿度 40% ~ 70% RH。
- 其他详细条件请另行查询。
- (2) 使用环境温度高于 35°C 以上时，禁止使用 2 回路以上的 3A AC250V 负载。
- (3) 这个值会因为开关频率、环境条件、可靠性等因素的影响而不同。请事先在实际负载上进行确认。
- (4) 负载上进行确认。
- (5) 叉杆滚杆型的机械寿命为 1,000 万次以上。

型号说明 Model Designations

T4N - (1) (2) (3) (4)

项目 Item	代号 Code	说明 Description
① 号管 / 连接器尺寸 Conduit / connector size	1	Pg13.5 (1 号管型) Pg13.5 (1 conduit type)
	2	G1/2 (1 号管型) G1/2 (1 conduit type)
	4	M20 (1 号管型) M20 (1 conduit type)
	5	Pg13.5 (2 号管型) Pg13.5 (2 conduits type)
	6	G1/2 (2 号管型) G1/2 (2 conduits type)
	8	M20 (2 号管型) M20 (2 conduits type)
② 内置开关 Built-in switch	1	1NC/1NO (速动型) 1NC/1NO (quick-action type)
	2	2NC (速动型) 2NC (quick-action type)
	A	1NC/1NO (慢动型) 1NC/1NO (slow-action type)
③ 头部及传动杆 Head and driving rod	B	2NC (慢动型) 2NC (slow-action type)
	20	滚珠滚杆型 (树脂滚杆, 树脂滚珠) Roller lever (resin lever, resin ball)
	22	滚珠滚杆型 (金属滚杆, 树脂滚珠) Roller lever (metal lever, resin ball)
	25	滚珠滚杆型 (金属滚杆, 金属滚珠) Roller lever (metal lever, metal resin ball)
	2G	可调滚珠滚杆, Form Lock (金属滚杆, 树脂滚珠) Adjustable roller lever, Form Lock (metal lever, resin ball)
	2H	可调滚珠滚杆, Form Lock (金属滚杆, 橡胶滚珠) Adjustable roller lever, Form Lock (metal lever, rubber ball)
	2M	可调滚珠滚杆, Form Lock (金属滚杆, 金属滚珠) Adjustable roller lever, Form Lock (metal lever, metal resin ball)
	31	顶部柱塞型 Top plunger type
	32	顶部柱塞滚珠型 Top plunger ball type
	62	单侧悬臂滚珠型 (水平) Unilateral cantilever ball type (horizontal)
	72	单侧悬臂滚珠型 (垂直) Unilateral cantilever ball type (vertical)
	80	触须型 Whisker type
	87	塑料棒型 Plastic stick type

Note 1. The above values are initial values.

2. Once the contact is connected to a standard load, it can not be used to connect a smaller load. If so, the contact may result in rough surface, thus losing contact reliability.
- (1) The protection level is gotten based on test method of IEC60947-5-1. Please make sure its sealing under actual environmental conditions before use. The switch box has dust and oil resistance structure, but it should be used in places without dust, oil and chemicals. Otherwise it may lead to premature wear, damage or malfunction.
- (2) The durability is for ambient temperature of 5°C ~ 35°C and humidity of 40% to 70% RH. For additional details, please contact us.
- (3) When the ambient temperature is above 35°C, more than 2 circuits 3A 250VAC loads are prohibited.
- (4) The values will vary with different switching frequency, environmental conditions, reliability level and other factors. Please confirm on the actual load in advance.
- (5) The mechanical life of deadman lever type is more than 10,000,000 times.

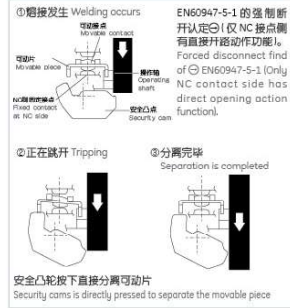
T4N 小型安全限位开关 Miniature Safety Limit Switch

tmaztz
永得工控开关

强制断开构造 Forced disconnect structure

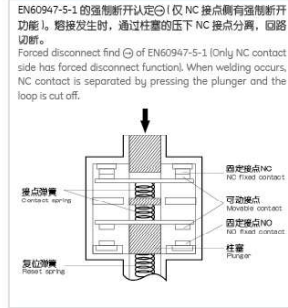
1NC、1NO 接点 (速动型)

1NC and 1NO contacts (quick-action type)



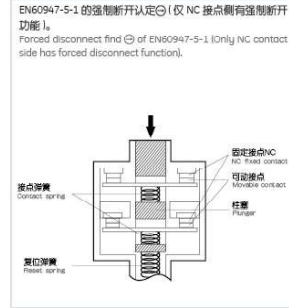
1NC、1NO 接点 (慢动型)

1NC and 1NO contacts (slow-action type)



2NC 接点 (慢动型)

2NC contacts (slow-action type)



接点形式 Contact form

型号 Model	接点 Contact	接点形式 Contact form	动作模式 Operation mode	说明 Explanation
T4N-□1□	1NC/1NO (速动型) 1NC/1NO (Quick-action type)			仅 NC 接点 (31-32) 具有强制断开功能 (⊙)。 Only NC contact (31-32) has forced disconnect function (⊙)。 接点 (13-14) 和 (31-32) 可作异极使用。 Contacts (13-14) and (31-32) can be used as heteropoles.
T4N-□2□	2NC (速动型) 2NC (Quick-action type)			仅 NC 接点 (11-12、31-32) 具有强制断开功能 (⊙)。 Only NC contact (31-32) has forced disconnect function (⊙)。 接点 (11-12) 和 (31-32) 可作异极使用。 Contacts (11-12) and (31-32) can be used as heteropoles.
T4N-□A□	1NC/1NO (慢动型) 1NC/1NO (Slow-action type)			仅 NC 接点 (11-12) 具有强制断开功能 (⊙)。 Only NC contact (11-12) has forced disconnect function (⊙)。 接点 (11-12) 和 (33-34) 可作异极使用。 Contacts (11-12) and (33-34) can be used as heteropoles.
T4N-□B□	2NC (慢动型) 2NC (Slow-action type)			仅 NC 接点 (11-12、31-32) 具有强制断开功能 (⊙)。 Only NC contact (31-32) has forced disconnect function (⊙)。 接点 (11-12) 和 (31-32) 可作异极使用。 Contacts (11-12) and (31-32) can be used as heteropoles.

动作特性 Action characteristics

速动型 (1NC/1NO/2NC)、慢动型 (2NC)

Quick-action type (1NC/1NO/2NC), slow-action type (2NC)

型号 Model	动作特性 Action characteristics	1NC/1NO/2NC	2NC
T4N-□120 T4N-□122 T4N-□220 T4N-□222 T4N-□225 T4N-□226 T4N-□231 T4N-□232 T4N-□262 T4N-□272 T4N-□22H T4N-□12M T4N-□80 T4N-□87			
T4N-□020 T4N-□022 T4N-□025 T4N-□031 T4N-□032 T4N-□062 T4N-□072 T4N-□02H T4N-□12M T4N-□80 T4N-□87			
动作力 Action force	OF 最大 Max.	5.0N	6.5N
回复力 Restore force	RF 最小 Min.	0.5N	1.5N
预行程 Pretravel	PT	18~27*	2mm
过行程 Overtravel	OT 最小 Min.	40°	4mm
响应差的行程 Poor response travel	MD 最大 Max.*1	14°	1mm
动作位置 Action position	OP	—	18.2±0.5mm
总行程 Total travel	TT *2	(80°)	28.6±0.8mm
强制断开预行程 Forced disconnected pretravel	DOT 最小 Min.*3	50°	3.2mm
强制断开力 Forced disconnected force	DOF 最小 Min.*3	20N	20N

注 2NC 接点的通/断动作的同时性会有差异, 使用时请注意确认。
(1) 仅速动型。
(2) 为参考值。
(3) 仅慢动型。为了安全使用, 请确保所有值在最大或最小范围内。
(4) 为杠杆长度 32mm 时的特性。

Note The simultaneity of ON / OFF operation of 2NC contacts have difference, please make sure before using it.
(1) Only for quick-action type.
(2) Reference values.
(3) Only for slow-action type. For safe use, please make sure that all values are within the range of maximum or minimum.
(4) The property value when length of lever is 32mm.

T4N 小型安全限位开关 Miniature Safety Limit Switch

tmaztz
永得工控开关

动作特性 Action characteristics

慢动型 (1NC/1NO)

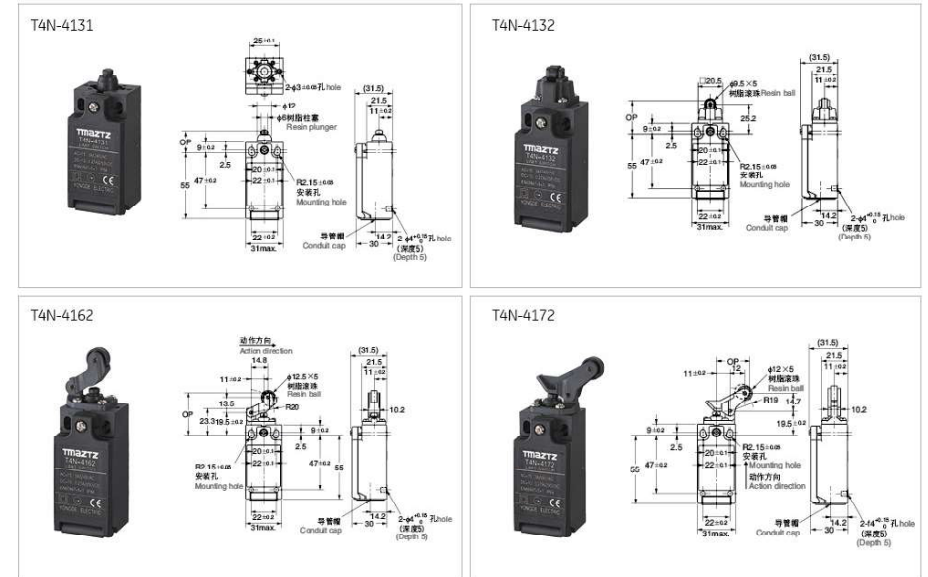
Slow-action type (1NC/1NO)

型号 Model	T4N-□A20	T4N-□A22	T4N-□A25	T4N-□A26	T4N-□A31	T4N-□A32	T4N-□A62	T4N-□A72	T4N-□A2H	T4N-□A2G*8
动作特性 Action characteristics										
动作力 Action force	OF 最大 Max.	5.0N	6.5N	6.5N	5.0N	5.0N	5.0N	5.0N	4.5N	4.5N
回复力 Restore force	RF 最小 Min.	0.5N	1.5N	1.5N	0.8N	0.8N	0.8N	0.8N	0.4N	0.4N
预行程 Pretravel	PT *1	18 ~ 27°	(44°)	(2.9mm)	(2.9mm)	(5.2mm)	(4.3mm)	(4.3mm)	18 ~ 27°	(44°)
	PT (2nd)*2			(1mm)	(1mm)	(1.5mm)	(1.5mm)	(1.5mm)		(18°)
	PT *3	27.5 ~ 36.5°	(18°)	(2.8mm)	(2.8mm)	(4.1mm)	(4.1mm)	(4.1mm)	27.5 ~ 36.5°	(18°)
	PT (2nd)*4			(1mm)	(1mm)	(1.5mm)	(1.5mm)	(1.5mm)		(18°)
过行程 Overtravel	OT 最小 Min.	40°	4mm	4mm	5mm	5mm	5mm	5mm	40°	40°
动作位置 Action position	OP	—	18.2±0.5mm	28.6±0.8mm	37±0.8mm	27±0.8mm	—	—	—	—
	OP *5	—	17.4±0.5mm	28±0.8mm	36±0.8mm	26.1±0.8mm	—	—	—	—
总行程 Total travel	TT *6	(80°)	(6mm)	(6mm)	(9mm)	(9mm)	(9mm)	(9mm)	(80°)	(80°)
强制断开预行程 Forced disconnected pretravel	DOT 最小 Min.*7	50°	3.2mm	3.2mm	5.8mm	4.8mm	50°	50°	50°	50°
强制断开力 Forced disconnected force	DOF 最小 Min.*7	20N	20N	20N	20N	20N	20N	20N	20N	20N

(1) NC 接点开路。
(2) NO 接点短路。
(3) 仅 MBB 型。
(4) 为 MBB 型的参考值。
(5) 仅 MBB 型。
(6) 为参考值。
(7) 为了安全使用, 请确保所有值在最大或最小范围内。
(8) 为杠杆长度 32mm 时的特性。

(1) NC contact is open.
(2) NO contact is closed.
(3) Only for MBB type.
(4) It is the reference value of MBB type.
(5) Only for MBB type.
(6) Reference values.
(7) For safe use, please make sure that all values are within the range of maximum or minimum.
(8) The property value when length of lever is 32mm.

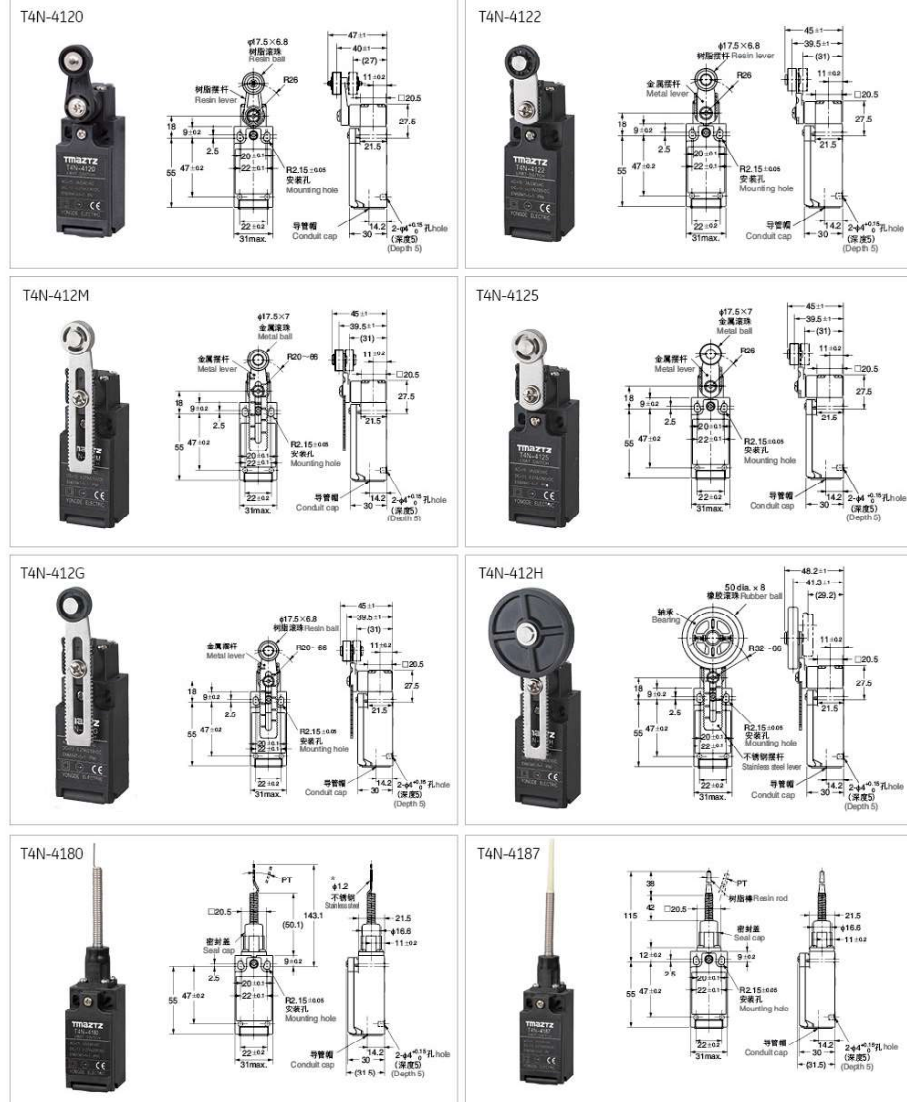
外观和尺寸 Appearance and Dimension



T4N 小型安全限位开关 Miniature Safety Limit Switch

tmaztz
永得工控开关

外观和尺寸 Appearance and Dimension



* 不锈钢垫圈和塑料棒的使用范围从前端 35mm 以内, 整个动作在 70mm 以内
* Use of application of stainless steel washers and plastic stick are within 35mm from the front end, the entire action is within 70mm

T4N-R 手动复位限位开关 Manual Reset Limit Switch

tmaztz
永得工控开关

特征 Features

- 强制断开动作装置 (仅 NC 接点), 可以在发生接点熔断等故障时断开接点。
- 标准的镀金接点保证了接触的高可靠性, 可用于标准负载及微小负载。
- 接点形式 1NC/1NO 及 2NC (仅限慢动型)。
- Forced open action device (NC contacts only), it can disconnect the contact when the contact has fusing and other failures.
- Standardized gold-clad contacts provide high contact reliability. Can be used with both standard loads and microloads.
- Contact forms 1NC/1NO and 2NC (only slow type).



特性 Characteristics

保护等级 *1 Protection level*1	IP66
机械 Mechanical	100 万次以上 *5 More than 10,000,000 times*5
寿命 *4Life *4	50 万次以上 (AC250V 3A, 电阻负载) *3 More than 500,000 times (AC250V 3A, resistive load) *3
操作速度 Operating speed	1 ~ 500mm/s (C4N-1A20R)
操作频率 Operating frequency	最大 30 次 / min Max. 30 times/min
接触电阻 Contact resistance	25mΩ 以下 25 mΩ or less
最小使用负载 *4 Minimum working load *4	DC5V 1mA 电阻负载 (N 标准参考值) 1mA resistive load below DC5V (N standard reference value)
额定绝缘电压 (UI) Rated insulation voltage (UI)	300V
防触电保护等级 Electric shock proof protection grade	Class II (双重绝缘) Class II (double insulated)
污染度 (使用环境) Pollution degree (environmental condition)	污染度 3 (EN60947-5-1) Pollution degree 3 (EN60947-5-1)
耐电压 Withstand voltage (FNA947-4-1)	同极端子间: 2.5kV Between homopolar terminals: 2.5kV 异极端子间: 4kV Between heteropolar terminals: 2.5kV 各端子和非充电金属部件间: 6kV Between terminals and uncharged metal parts: 6kV
绝缘电阻 Insulation resistance	100MΩ 以上 Above 100MΩ
接点间隙 Contact gap	最小 2 × 0.5mm 速动型、 Minimum 2 × 0.5mm quick-action type. 最小 2 × 2mm 慢动型 Minimum 2 × 2mm slow-action type
振动 Vibration	误动作 Malfunction 10 ~ 55Hz 0.75mm 单振幅 10 ~ 55Hz 0.75mm single amplitude
冲击 Impact	耐久 Duration 1.000m/s ² 误动作 Malfunction 300m/s ²
环境温度 Ambient temperature	-20 ~ +70°C (无结冰、结露) -20 ~ +70°C (No ice or dew)
环境湿度 Ambient humidity	95%RH 以下 Less than 95% RH
质量 Weight	约 92g (D4N-1A20R) About 95g (D4N-1A20R)

- 注 1. 上述值为初始值。
2. 一旦接点连接标准负载后, 就可用于连接较小容量的负载。否则可能导致接点表面粗糙, 从而失去接触可靠性。
(1) 保护等级是根据 (EN60947-5-1) 规格测试得出的。使用前请务必在实际使用的环境、条件下确认其密封性。开关本体具有防尘、防油构造, 但应尽可能保持头部在没有碎屑粉尘、油污、化学品的场所使用。否则可能导致过早磨损、损坏或故障。
(2) 耐久性的条件是使用环境温度 5°C ~ 35°C、使用环境湿度 40% ~ 70% RH。
(3) 其他详细条件请另行查询。
(4) 使用环境温度在 35°C 以上时, 禁止使用 2 回路以上的 3A AC250V 负载。
(5) 这个值会因为开关频率、环境条件、可靠性等级等因素的影响而不同。请事先在实际负载上进行确认。
叉杆摆杆型的机械寿命为 1,000 万次以上。

型号说明 Model Designations

T4N - 4 A 3 1 R
① ② ③

项目 Item	代号 Code	说明 Description
① 导管 / 连接器尺寸 Conduit / connector size	1	Pg13.5 (1 导管型) Pg13.5 (1 conduit type)
	2	G1/2 (1 导管型) G1/2 (1 conduit type)
	4	M20 (1 导管型) M20 (1 conduit type)
	6	G1/2 (2 导管型) G1/2 (2 conduits type)
	8	M20 (2 导管型) M20 (2 conduits type)
② 内置开关 Built-in switch	A	1NC/1NO (慢动型) 1NC/1NO (slow-action type)
	B	2NC (慢动型) 2NC (slow-action type)
③ 头部及传动杆 Head and driving rod	20	滚珠摆杆型 (树脂摆杆, 树脂滚珠) Roller lever (resin lever, resin ball)
	22	滚珠摆杆型 (金属摆杆, 树脂滚珠) Roller lever (metal lever, resin ball)
	25	滚珠摆杆型 (金属摆杆, 金属滚珠) Roller lever (metal lever, metal resin ball)
	2G	可调滚珠摆杆, Form Lock (金属摆杆, 树脂滚珠) Adjustable roller lever, Form Lock (metal lever, resin ball)
	2H	可调滚珠摆杆, Form Lock (金属摆杆, 橡胶滚珠) Adjustable roller lever, Form Lock (metal lever, rubber ball)
	2M	可调滚珠摆杆, Form Lock (金属摆杆, 金属滚珠) Adjustable roller lever, Form Lock (metal lever, metal resin ball)
	31	顶部柱塞型 Top plunger type
	32	顶部柱塞滚珠型 Top plunger ball type
	62	单侧悬臂滚珠型 (水平) Unilateral cantilever ball type (horizontal)
	72	单侧悬臂滚珠型 (垂直) Unilateral cantilever ball type (vertical)

- Note 1. The above values are initial values.
2. Once the contact is connected to a standard load, it can not be used to connect a smaller load. If so, the contact may result in rough surface, thus losing contact reliability.
(1) The protection level is gotten based on test method of (EN60947-5-1). Please make sure its sealing under actual environmental conditions before use. The switch box has dust and oil resistance structure, but it should be used in places without dust, oil and chemicals. Otherwise it may lead to premature wear, damage or malfunction.
(2) The durability is for ambient temperature of 5°C ~ 35°C and humidity of 40% to 70% RH. For additional details, please contact us.
(3) When the ambient temperature is above 35°C, more than 2 circuits 3A 250VAC loads are prohibited.
(4) The values will vary with different switching frequency, environmental conditions, reliability level and other factors. Please confirm on the actual load in advance.
(5) The mechanical life of deadman lever type is more than 10,000,000 times.

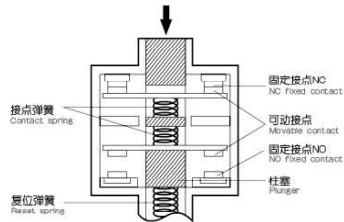
T4N-R 手动复位限位开关 Manual Reset Limit Switch



强制断开构造 Forced disconnect structure

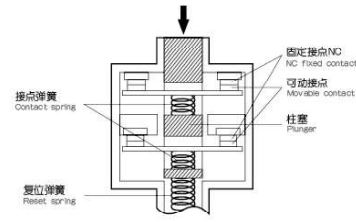
1NC、1NO 接点 (慢动型)
1NC and 1NO contacts (slow-action type)

仅限 NC 接点侧有强制断开构造。
当发生熔着时，通过按下柱塞，可以分离接点，切断回路。(符合 EN60947-5-1 强制断开操作 I)。
Only NC contact has forced disconnect structure.
When melting occurs, the contact can be isolated by pressing the plunger to cut off the loop. (in accordance with EN60947-5-1 force disconnect operation I).



2NC 接点 (慢动型)
2NC contacts (slow-action type)

双侧 NC 接点均具有强制断开构造。
当发生熔着时，通过按下柱塞，可以分离接点，切断回路。(符合 EN60947-5-1 强制断开操作 I)。
When melting occurs, the contact can be isolated by pressing the plunger to cut off the loop. (in accordance with EN60947-5-1 force disconnect operation I).



接点形式 Contact form

型号 Model	接点 Contact	接点形式 Contact form	动作模式 Operation mode	说明 Explanation
T4N-□A□R	1NC/1NO (慢动型) 1NC/1NO (Slow-action type)		11-12 33-34 行程 Travel →	仅 NC 接点 (11-12) 具有强制断开功能 (⊙)。 Only NC contact (11-12) has forced disconnect function (⊙)。 接点 (11-12) 和 (33-34) 可作异极使用。 Contacts (11-12) and (33-34) can be used as heteropoles.
T4N-□B□R	2NC (慢动型) 2NC (Slow-action type)		11-12 31-32 行程 Travel →	仅 NC 接点 (11-12、31-32) 具有强制断开功能 (⊙)。 Only NC contact (11-12, 31-32) has forced disconnect function (⊙)。 接点 (11-12) 和 (31-32) 可作异极使用。 Contacts (11-12) and (31-32) can be used as heteropoles.

动作特性 Action characteristics

型号 Model		14N-□□ 20K	14N-□□ 22K	T4N-□□ 2GR *2	14N-□□ 2HK	14N-□□ 51R	14N-□□ 52R	14N-□□ 62K	14N-□□ 72K
LF	最大 Max.	6.45N	6.45N	5.6N	5.4N	10.8N	10.8N	7.5	7.9N
LT	最大 Max.	55°	55°	55°	55°	4.5mm	4.5mm	7mm	7mm
PT1	*3	18~27°	18~27°	18~27°	18~27°	2mm	2mm	4mm	4mm
PT2	*4	(44°)	(44°)	(44°)	(44°)	(2.9mm)	(2.9mm)	(5.2mm)	(4.3mm)
OP	--	--	--	--	--	34±0.5mm	44.4±0.8mm	53±0.8mm	27±0.8mm
TT	*5	80°	80°	80°	80°	(6mm)	(6mm)	(9mm)	(9mm)
DOT	最小 Min.*6	50°	50°	50°	50°	3.2mm	3.2mm	5.8mm	5.8mm
DOF	最小 Min.*6	20N		20N	20N	20N	20N	20N	20N

注: (1) 2NC 接点的闭路 / 开路动作的同时性有所参差，使用时请务必确认。
(2) 原料长 32mm 时的特性值。
(3) NC 接点为开路 (OFF) 状态时的 PT 值。
(4) NO 接点闭合 (ON) 时的 PT 一般值 (仅限 1NC/1NO 型)。
(5) 参考值。
(6) 强制断开构造的负载和行程值。为保证安全，请务必保持在规定的上限和下限范围内。

Note(1) The simultaneity of ON / OFF operation of 2NC contacts have difference, please make sure before using it.
(2) The property value when length of lever is 32mm.
(3) PT value when NC contact is at open (OFF) state.
(4) PT common value when NO contact is at close (ON) state (only for 1NC/1NO types).
(5) Reference values.
(6) Load and travel values of forced disconnect structure. To ensure safety, be sure to remain within the upper and lower range.

T4N-R 手动复位限位开关 Manual Reset Limit Switch



外观和尺寸 Appearance and Dimension

