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TMazTZ
永得工控开关

YONGDE
INDUSTRIAL SWITCH
简易 2024 版

乐清市永得电器有限公司
YUEQING YONGDE ELECTRIC CO., LTD

诚招区域代理商：



微信公众平台
Wechat Platform



永得电器网站
Website



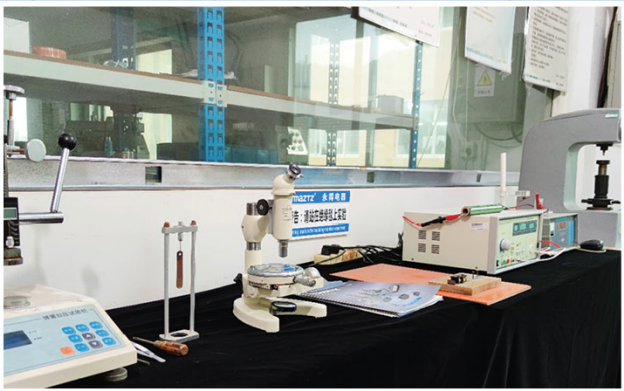
www.tmaztz.com

永得工控成立于 1998 年，20 年来专注于行程开关、限位开关、微动开关、密封开关、防水开关、押扣开关、钮子开关、脚踏开关的研发与生产。公司产品先后通过了国家 CCC 认证与欧盟 CE 认证，主要产品线均获得德国 TUV 认证。畅销全国各地及东南亚、中东、欧洲和美洲，产品广泛应用于机床、注塑机、汽车厂、立体停车库、环保、防灾建筑、机械生产以及各种流水线等设备的电路控制。

公司本着以“专业、创新、国际化”为发展理念，坚持先进的管理模式，严格的生产制度，良好的售后服务体系，专业的工作队伍为您提供最优质的产品和服务。我们诚挚地希望能够与您一起促进更为国际化的发展和见证更为璀璨的未来。

TMAZTZ, founded in 1998, is specialized in the R & D and manufacturing of travel switches, limit switches, micro switches, sealed switches, waterproof switches, toggle switches and foot switches.

Our switches have passed the certifications such as CCC , TUV and CE successively. The products not only are popular with the Chinese market, but also well received in Southeast Asia, Middle East, Europe and America , are widely applied to machine tools, injection molding machines, automobile manufacture plants, space-parking systems, environmental protection, hazard resistant buildings, machinery manufacturing. TMAZTZ, abiding by the development philosophy of "specialty, innovation, internationalization" , will provide the best products and best service for you depending on the advanced management mode, strict production , professional staff and perfect after-sale service system. We sincerely invite you to our promote the development Internationalization ,together with you to witness the bright future.



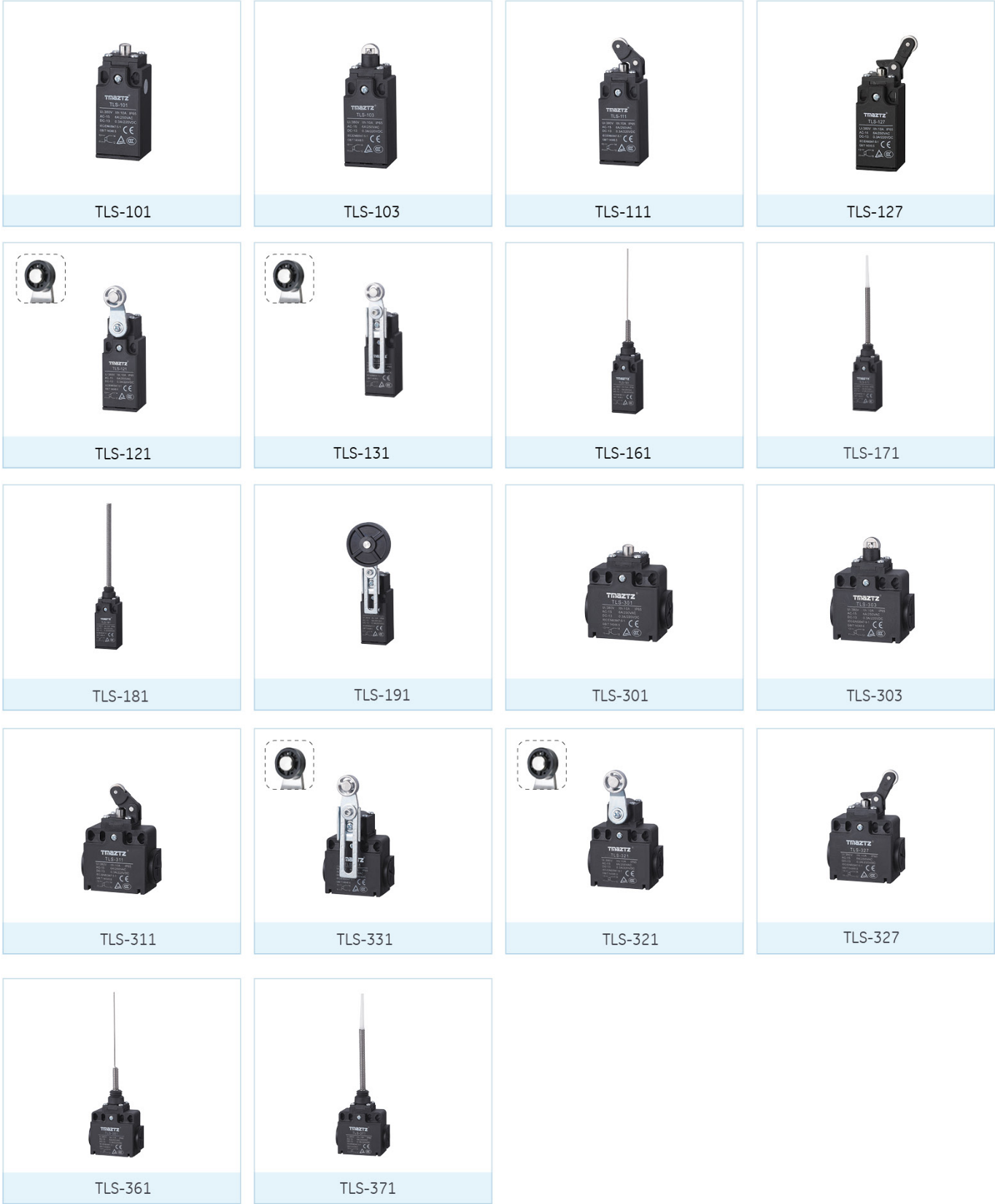
TZ-8 限位开关 Limit Switch

 TZ-8104 (塑料 nylon / 不锈钢轮 stainless)	 TZ-8108 (塑料 nylon / 不锈钢轮 stainless)		
 TZ-8107	 TZ-8112	 TZ-8111	 TZ-8122
 TZ-8166	 TZ-8167	 TZ-8168	 TZ-8169

TSA 限位开关 Limit Switch

 TSA-001	 TSA-003	 TSA-012	 TSA-031	 TSA-021
 TSA-061	 TSA-071	 TSA-081	 TSA-041	 TSA-051

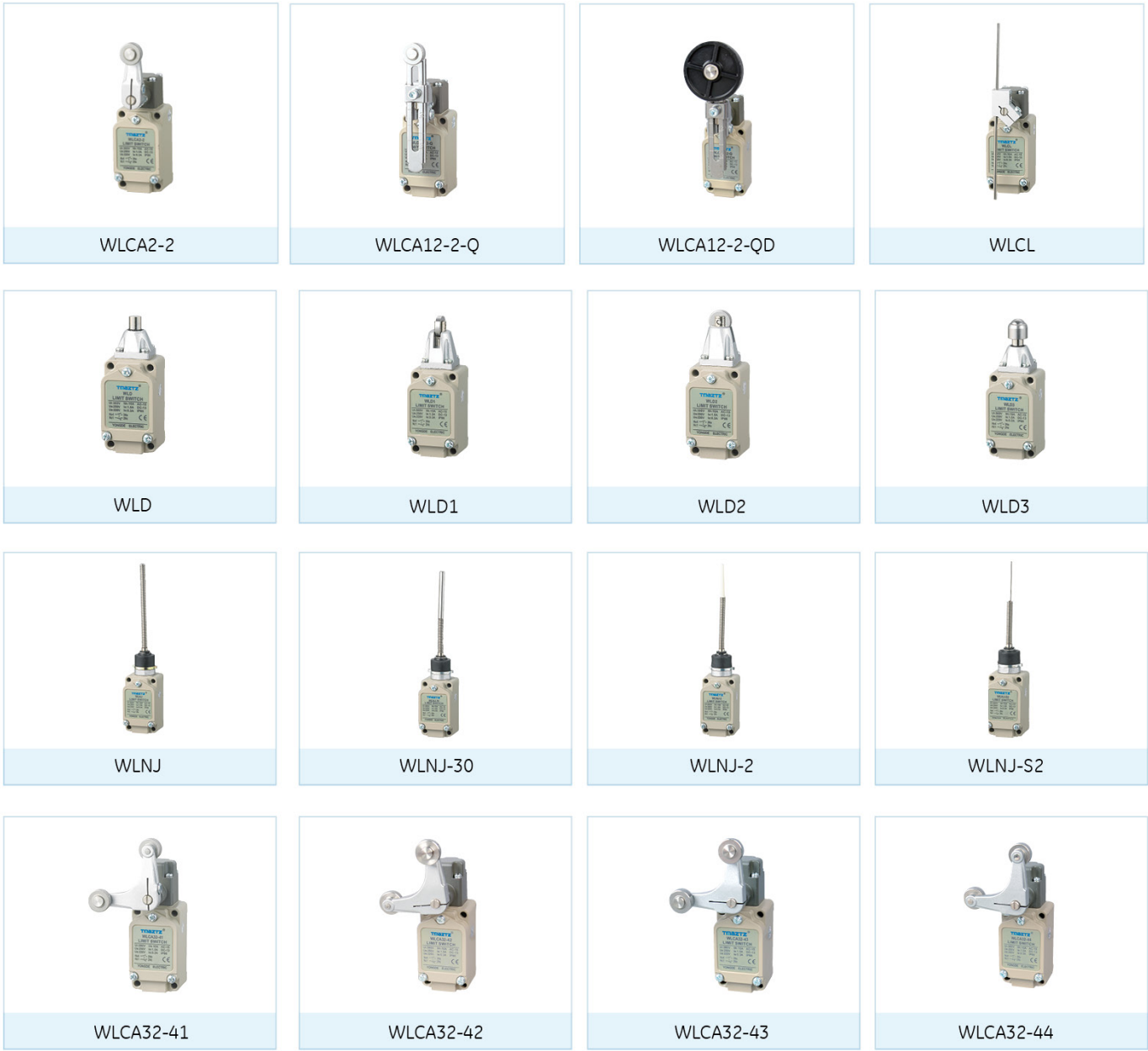
TLS-1 限位开关 Limit Switch



部分产品可选配塑料滚轮 optional nylon wheel



WL 限位开关 Limit Switch



HL 限位开关 Limit Switch

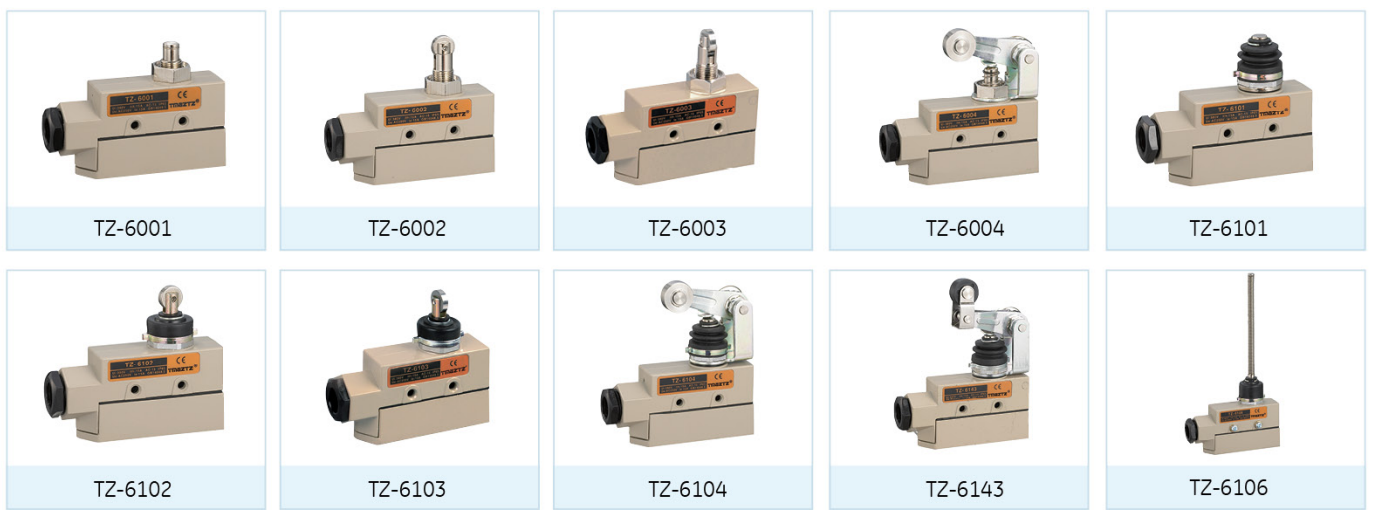


TZ-3 防水限位开关 Waterproof Limit Switch

默认线长为 3 米
Default length: 3 meter

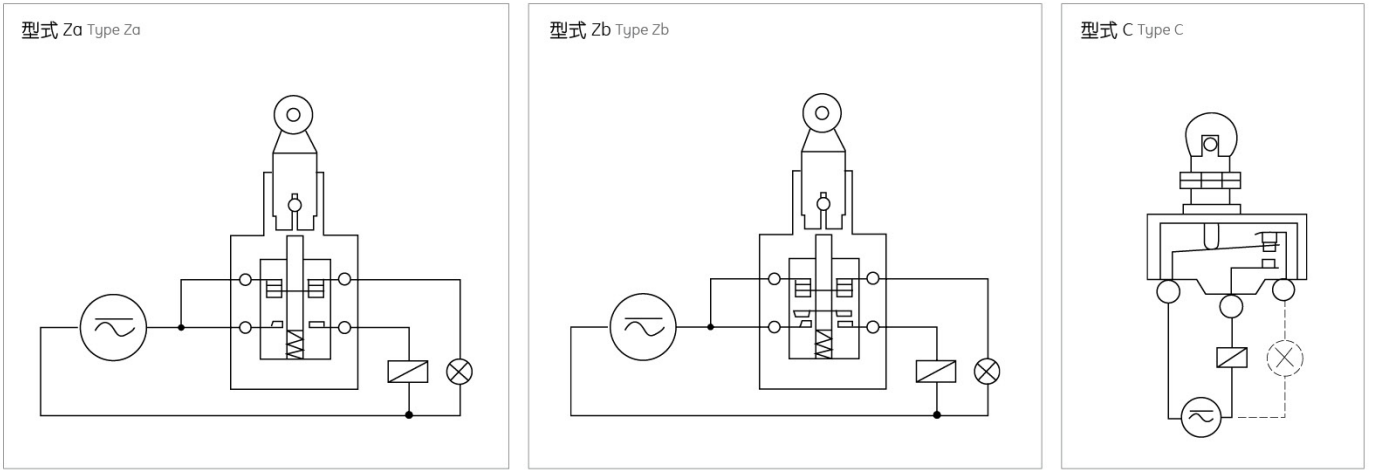


TZ-6 密封式限位开关 Sealed Limit Switch

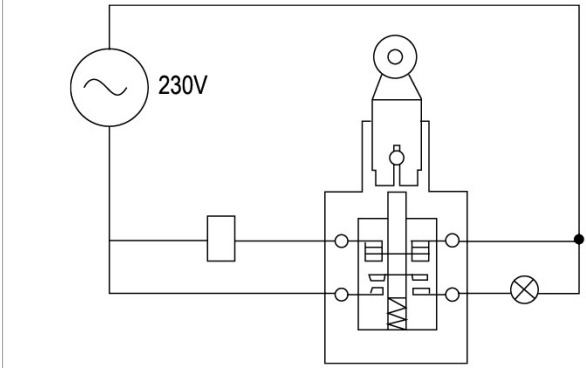


触点接线图 型式 Za、Zb、C Wiring Diagram Of Contacts, Type Za, Zb, and C

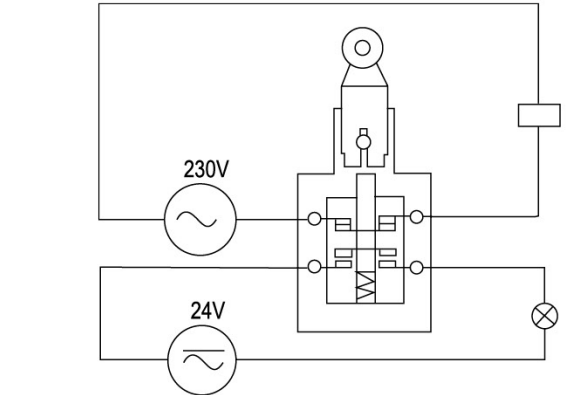
相同极性电路 Circuit of same polarity



交替动作 Alternate action
仅适于型式 Zb For type Zb only



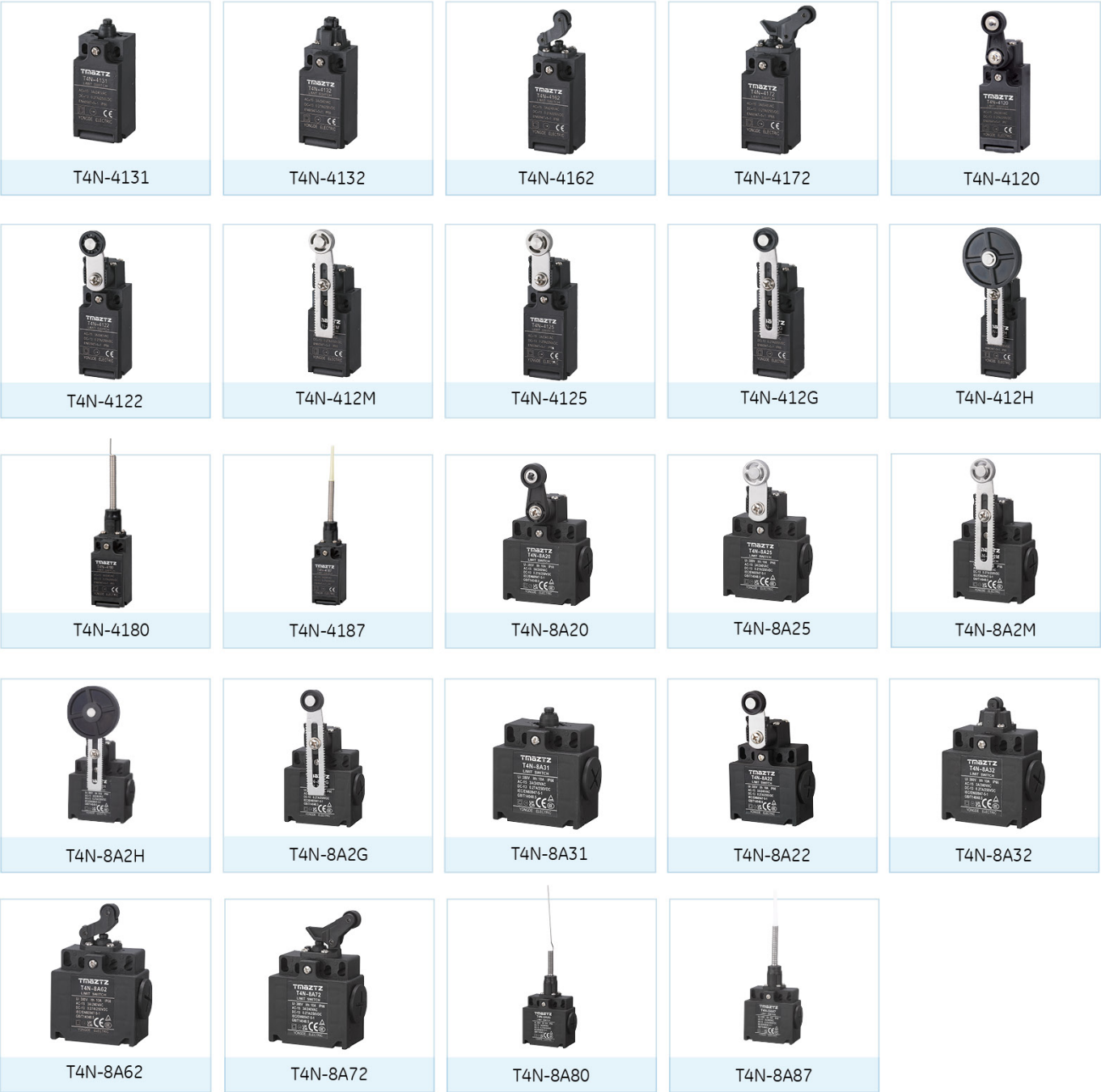
混合电压 Mixed voltage
仅适于型式 Zb For type Zb only



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

导管规格默认为 M20
Default connector size is M20

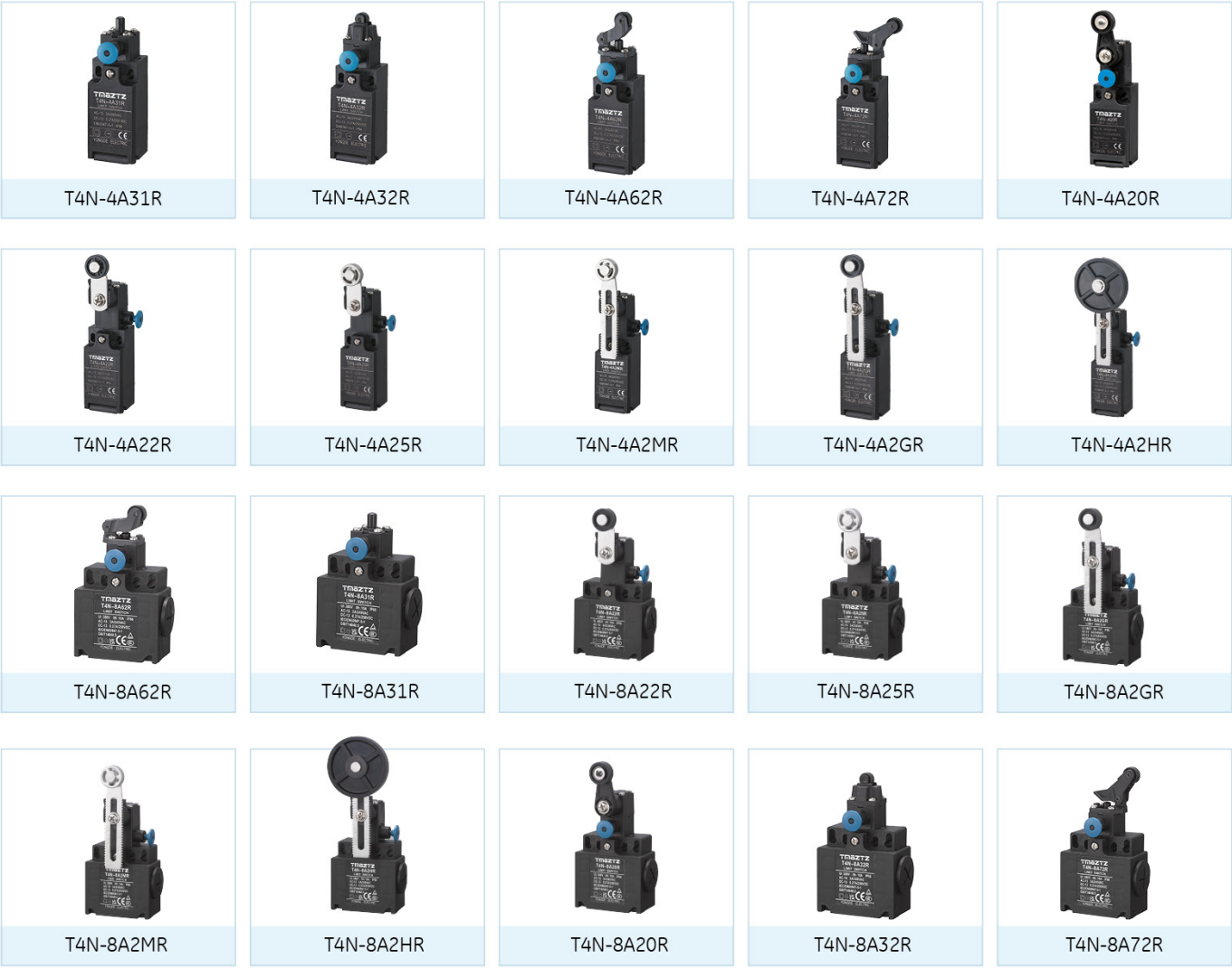
项目 Item	代号 Code	说明 Description	项目 Item	代号 Code	说明 Description
① 导管数量 T4N-□□□ Number of conduits	4	单导管型 1 conduit type	② 内置开关 T4N-□□□ Built-in switch	1	1NC/1NO (速动型) 1NC/1NO (quick-action type)
				2	2NC (速动型) 2NC (quick-action type)
	8	双导管型 2 conduit type		A	1NC/1NO (慢动型) 1NC/1NO (slow-action type)
				B	2NC (慢动型) 2NC (slow-action type)
				C	2NC/1NO (慢动型) 2NC/1NO (slow-action type)
				D	3NC (慢动型) 3NC (slow-action type)



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

导管规格默认为 M20
Default connector size is M20

项目 Item	代号 Code	说明 Description	项目 Item	代号 Code	说明 Description
① 导管数量 T4N-□□□ Number of conduits	4	单导管型 1 conduit type	② 内置开关 T4N-□□□ Built-in switch	A	1NC/1NO (慢动型) 1NC/1NO (slow-action type)
				B	2NC (慢动型) 2NC (slow-action type)
8	8	双导管型 2 conduit type		C	2NC/1NO (慢动型) 2NC/1NO (slow-action type)
				D	3NC (慢动型) 3NC (slow-action type)



T4NS/T4NS-SK 安全门开关 Safety-door Switch

导管规格默认为 M20
Default connector size is M20

项目 Item	代号 Code	说明 Description
① 导管数量 T4N- □□□ Number of conduits	4	单导管型 1 conduit type
	8	双导管型 2 conduit type
② 内置开关 T4N- □□□ Built-in switch	A	1NC/1NO (慢动型) 1NC/1NO (slow-action type)
	B	2NC (慢动型) 2NC (slow-action type)
	C	2NC/1NO (慢动型) 2NC/1NO (slow-action type)
	D	3NC (慢动型) 3NC (slow-action type)



T4NS-4 □ F



T4NS-K1



T4NS-K2



T4NS-K3



T4NS-K5

(前侧安装操作钥匙时)



T4NS-4 □ F + T4NS-K1

(顶部安装操作钥匙时)



T4NS-4 □ F + T4NS-K1

(前侧安装操作钥匙时)



T4NS-4 □ F + T4NS-K2

(顶部安装操作钥匙时)



T4NS-4 □ F + T4NS-K2

(前侧安装操作钥匙时)



T4NS-4 □ F + T4NS-K3

(顶部安装操作钥匙时)



T4NS-4 □ F + T4NS-K3

(前侧安装操作钥匙时)



T4NS-4 □ F + T4NS-K5

(顶部安装操作钥匙时)



T4NS-4 □ F + T4NS-K5

V15 微动开关 Micro Switch



V-15-1C25



V-15-1C5



V-151-1C25



V-151-1C5



V-152-1C25



V-152-1C5



V-153-1C25



V-153-1C5



V-154-1C25



V-154-1C5



V-155-1C25



V-155-1C5



V-156-1C25



V-156-1C5



TVAQ-D



TVAQ-C



V-15-1B25



V-15-1A25

TM 微动开关 Micro Switch



TM-1-1 防浸型微动开关 Compact Prewired Micro Switch



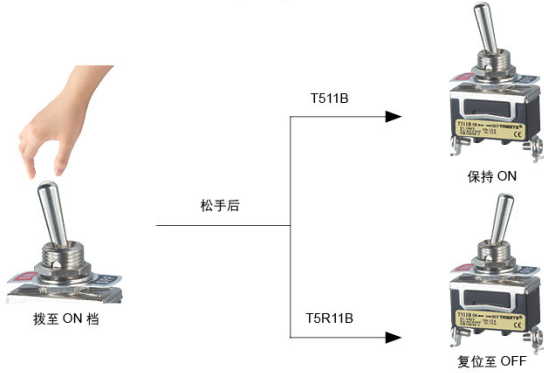
TZ-7 卧式限位开关 Horizontal Limit Switch



T5 钮子开关 Toggle Switch



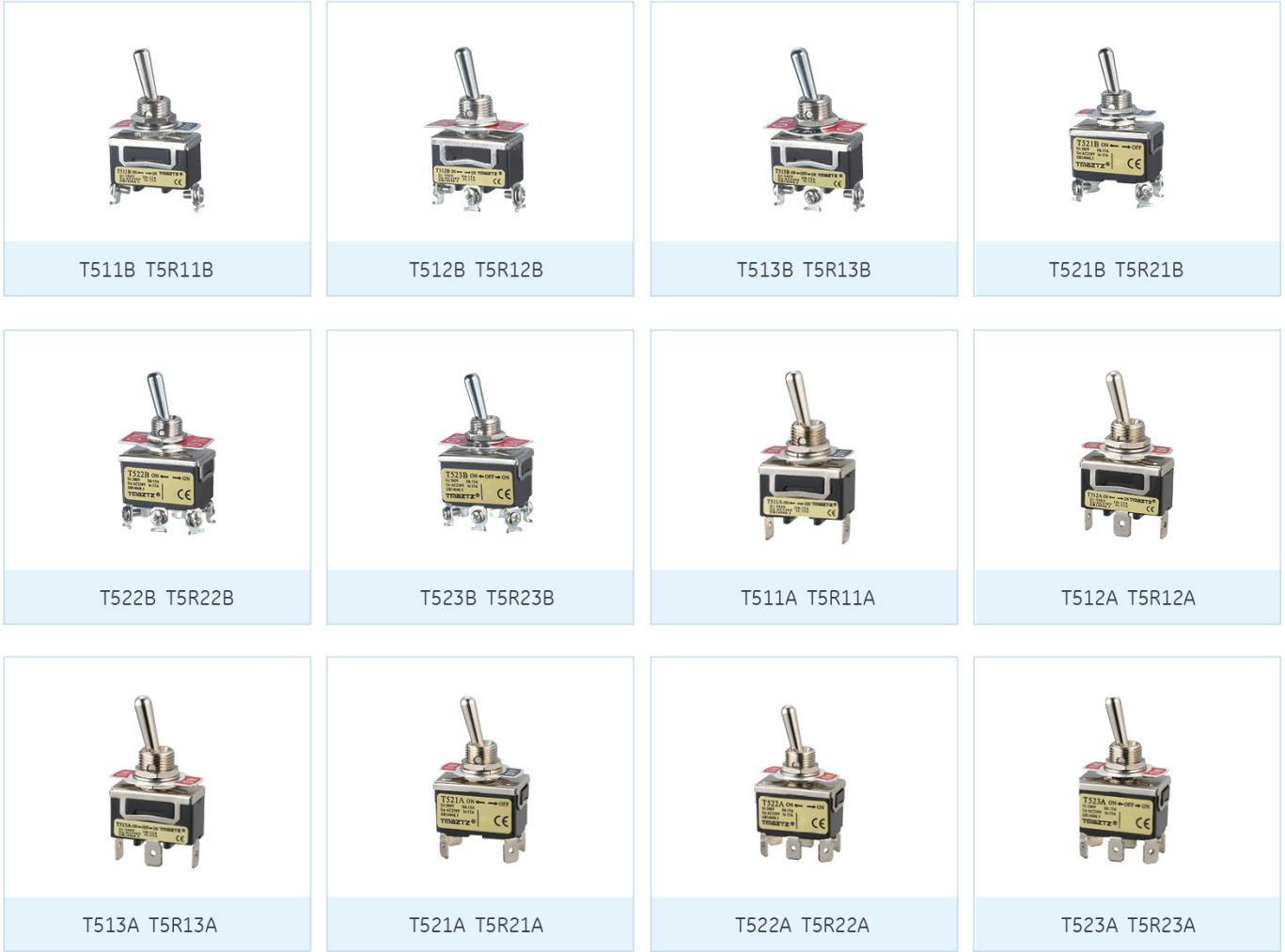
自动复位型产品说明 (以 T5 (R) 11 为例)
Introduction about spring return model



型号说明 Model Designations TOW 防水套 Rainproof cap (Tow)



项目 Items	代号 Code	说明 Description
	TO	10A 250VAC
型式 Type	TOR	10A 250VAC 自动复位 Spring return
	T5	15A 250VAC
	T5R	15A 250VAC 自动复位 Spring return
	11	单极单投 Single pole single throw ON-OFF
触点 Contact	12	单极双投 Single pole double throw ON-ON
	13	单极双投 (中间 OFF) Single pole double throw (central OFF)ON-OFF-ON
	131	单极双投 (中间 OFF 单边复位) Single pole double throw (central OFF single return)ON-OFF-ON
	21	双极单投 Double pole single throw ON-OFF
	22	双极双投 Double pole double throw ON-ON
	23	双极双投 (中间 OFF) Double pole double throw (central OFF)ON-OFF-ON
	231	双极双投 (中间 OFF 单边复位) Double pole double throw (central OFF single return)ON-OFF-ON
端子 Termi- nal	A	快速端子 (#250) Tab terminal
	B	螺丝端子 Screw terminal
	C	焊接端子 (#187) Solder terminal



动力押扣开关 Power Pushbutton Switch



TFS 脚踏开关 Foot Switch

TFS-202、TFS-□ 04 指内置双组微动开关型号
TFS-202 and TFS-□ 04 refer to the models of built-in two-group microswitches

