



# CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

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**CERTIFICATE NO.:** 2024010305630614

**NAME AND ADDRESS OF THE APPLICANT**

K.A. Schmersal GmbH & Co. KG  
Moeddinghofe 30, D-42279 Wuppertal, Germany

**NAME AND ADDRESS OF THE MANUFACTURER**

K.A. Schmersal GmbH & Co. KG  
Moeddinghofe 30, D-42279 Wuppertal, Germany

**NAME AND LOCATION OF THE FACTORY**

K.A. Schmersal GmbH & Co. KG  
Im Ostpark 2, D-35435 Wettenberg, Germany

**PRODUCT NAME,MODEL AND SPECIFICATION**

Contact block

EF...,EL...; Ui:400V; Uimp:4kV; Ith:10A; AC-15:Ue/Ie:AC250V/8A; DC-13:Ue/Ie:DC24V/5A; IP20;

See the Appendix for type explanation

**STANDARDS AND TECHNICAL REQUIREMENTS FOR THE PRODUCTS**

GB/T 14048.5-2017

This is to certify that the above mentioned product(s) complies with the requirements of implementation rules for compulsory certification(REFNO. CNCA-C03-02:2024).

**Valid from:** May.17,2024

**Valid until:** May.16,2029

The certificate information and validity could be checked by scanning the QR code below or logging in to the website of the issuing authority, or on the website of the CNCA ([www.cnca.gov.cn](http://www.cnca.gov.cn)).



SIGNATURE:

谢肇煦



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型号的解释(Explanation of / type):

## A. Contact block 触点块

EF K 110 S F .1 xxxx-xx  
I II III V V VI VII

I - element type: EF: push button element; 按钮元素按钮元件

II -Derivative type : Blank: Standard type 标准类型  
terminals K: Cage clamp 笼式夹具笼式夹子 P: for PCB connection 用于 PCB 连接

III - contact combination and contact travel 联系人组合和联系旅行:触点组合和触点行程

303: 1NC/1NO 3mm 1 常闭/1 常开 3mm 30: 1NC 3mm 1 常闭 3mm

03: 1NO 3mm 1 常开 3mm 033 2NO 3mm 2 常开 3mm

301: 1NC/1NO NC 3mm, NO 1mm 1 常闭/1 常开 常闭 3mm, 常开 1mm

103: 1NC/1NO NC 1mm, NO 3mm 1 常闭/1 常开 常闭 1mm, 常开 3mm

304: 1NC/1NO NC 3mm, NO 4mm 1 常闭/1 常开 常闭 3mm, 常开 4mm

220: 2NC 2mm; 2 常闭 2mm 110: 2NC 1mm; 2 常闭 1mm 10: 1NC 1mm, 1 常闭 1mm

IV - Safety accessory for emergency stop 紧急停止的安全附件

Blank: applicable for non-emergency push button and select switch 适用于非紧急按钮和选择开关

S: with safety spring 带安全弹簧

V - (Terminal) 端子 Blank: terminal screw 端子螺钉 接线螺钉 F: blade terminal 刀片终端 接线片

VI- position of contact Blank: contact block position is customized 接触块位置是定制的 触点块位置是定制的

.1: Pos.1 位置 1 .2: Pos.2 位置 2 .3: Pos.3 位置 3

VIII - Blank: Standard type 标准类型 G: contact with gold coating 接触金涂层

xxxx-xx: Indicator for minor customer -specific design change, without change for function or structure

针对客户特殊需求, 不改变产品结构和功能

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### B. Light element 轻元素 灯元件

EL	light element with screw terminal	带接线螺钉的灯元件
ELDE	light element for LED	LED 灯元件
ELE	Pilot lamp	指示灯
ELEB:	light element for blinking LED	发光二极管灯元件
ELF	light element with flat plug	灯元件带扁平插头
ELK	light element with cage terminal	灯元件带笼式接线端子
ELP	light element connected with PCB	与 PCB 连接的灯元件
ELT	light element with transformer	带变压器的灯元件
ELTF	light element with transformer and flat plug	带变压器和扁平插头的灯元件
ELV	light element with series resistor	带有串联电阻的灯元件
ELVF	light element with series resistor and flat plug	带有串联电阻和扁平插头的灯元件

### C. Rating 等级

EF (Contact block)	EF (触点元件)	300V AC
EL (light element)	EL (灯元件)	250V, 1,5W max.
ELT (with transformer terminal)	ELT (带变压器端子)	240V AC (premier side), 2W max.
ELE (lamp)	ELE (灯)	220V max. 1.5W max
ELEB (LED)	ELEB (LED)	30V, 2W max

### D. Explanation of actuator 执行器说明 操动件说明

E: metal actuator 金属操动件 K: plastic actuator 塑料操动件 N: metal actuator, improved version 金属操动件, 升级版

Additional actuators:	附加执行器 附加操动件	E-Prog.:	K-Prog.:	N-Prog.:
Pushbutton:	按钮	EDT	KDT	NDT
Illuminated pushbutton	发光按钮	EDL	KDL	NDL
pilot lights:	指示灯	EML	KML	---
LED pilot lights:	LED 指示灯	EME...	KME...	NME
selector switch(with lock function)	选择开关 (带锁定功能)	EWS	KWS	NWS
selector switch(without lock function)	选择开关 (无锁定功能)	EWT...	KWT	NWT
key operated selector switch: (with lock function)	钥匙操作选择开关: (带锁定功能)	ESS	KSS	---
key operated selector switch: (without lock function)	钥匙操作选择开关: (没有锁定功能)	EST	KST	---
Mushroom-head impact button:	蘑菇头按钮	EDP	KDP	NDP
Emergency	急停	EDRR	KDRR	NDRR

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Actuators are followed by letters and numbers which describe different constructions and colour  
执行器后面跟着字母和数字，描述不同的结构和颜色 操动件后缀的字母和数字代表不同的结构和颜色

EDT	2	SW
I	II	III

I. Type of Actuator: See table above  
操动件类型 见上表

II. Explanation by appendix 附录说明

2 (or 6 or 11)	with higher edge for push button	按钮的边缘较高
R	with lock function	带锁定功能
40 (or 35,55,75)	head diameter for mushroom head	蘑菇头的头部直径
S32.1 (or 21, 21.1, 32, 32.1, 321, S32)	S means lock position, 32 (or...) means switch position both on left and right side	S 表示锁定位置, 32 (或.....) 表示左右两侧的开关位置
21S1 (or 21S2, 21S3, 21S12, 32S1, 32S3, 32S123)	21 means 2 lock position, S1 (or S...) mean key take-off position for key switch	21 表示 2 个锁定位置, S1 (或 S.....) 表示钥匙开关的钥匙取出位置

III. Colour of Actuator 操动件颜色

SW	GB	RT	GN	WS	BL
Black	Yellow	Red	Green	White	Blue
黑色	黄色	红色	绿色	白色	蓝色

Contact block can be purchased separately 触点块可以单独购买

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