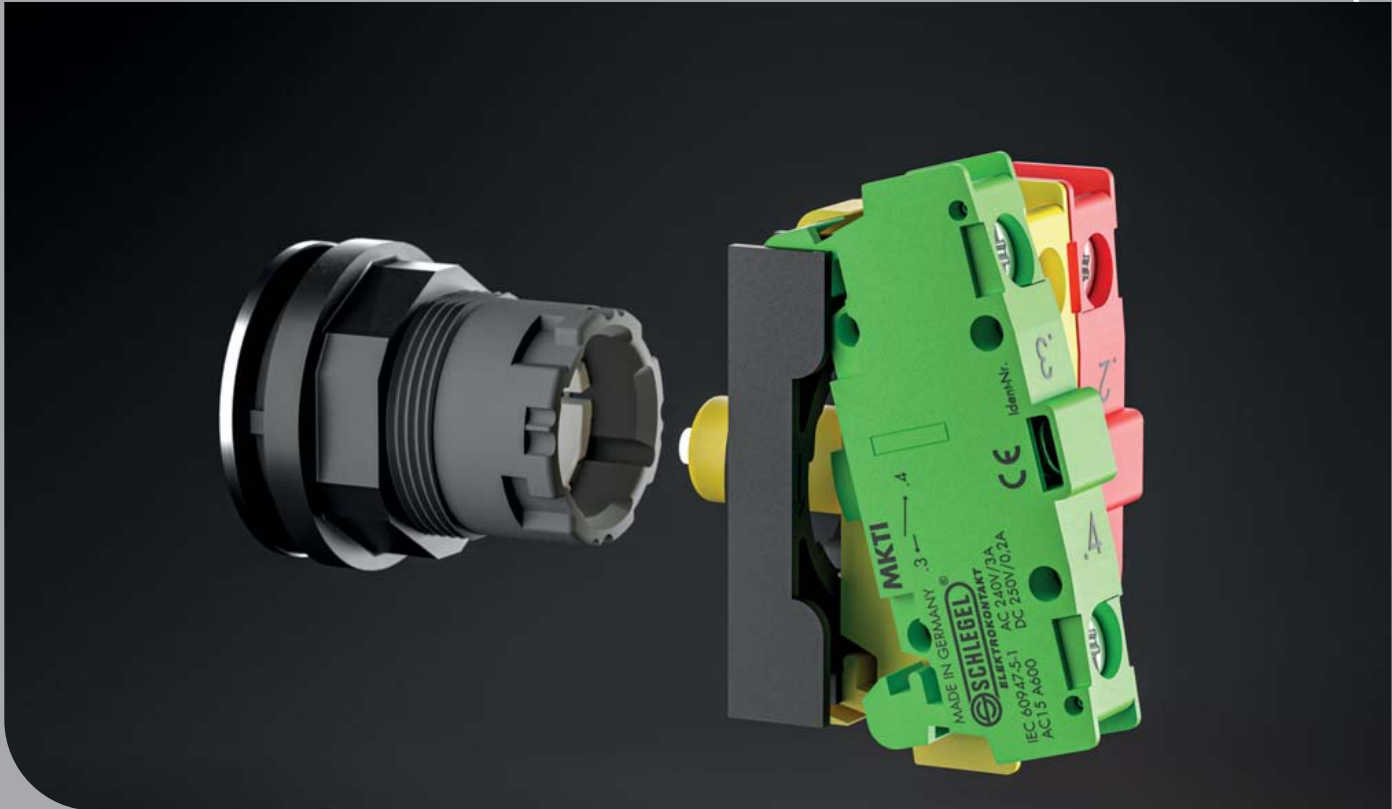


MADE IN GERMANY



ELEKTROKONTAKT

Fascinating Electrotechnics



MK Modular contact blocks with **push-in** and **screw connection**



3-4-5

flexible
compact
efficient



Table of contents

→ 01	Overview modular contact blocks MK/MKP	page 4
------	---	--------

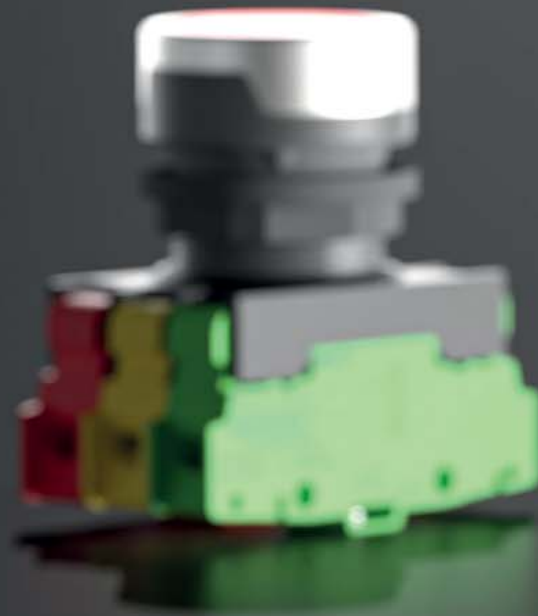
→ 02	Modular contact blocks with screw connection	page 8
------	--	--------

→ 03	Modular contact blocks with push-in connection	page 10
------	--	---------

For detailed information, please refer to www.schlegel.biz

Note:

The technical data is only intended as guiding information and may vary depending on the product.
For the exact technical data, please refer to the relevant product data sheet.





Five factors played an important role in the development of the MK series:

- quick mounting
- compactness
- flexibility
- performance
- robustness

Machines and systems are becoming more and more compact and installation space is becoming smaller. This is a problem for powerful contact elements as they have to be dimensioned accordingly large due to the higher electrical requirements. The consequence: the installation depth is often too high, which makes it difficult to use where space is limited.



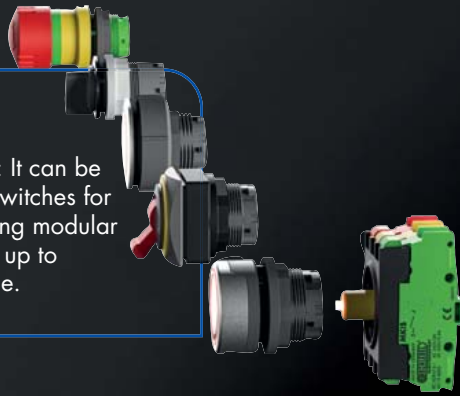
Thanks to the well thought-out design, the contact elements of the MK series are compact despite the high electrical power so that the installation depth is significantly lower. True to the motto: maximum performance with minimal size.

SCHLEGEL realised the typical modular structure of the contact elements also with the MK series. All contact elements are available as individual modules. Customers can combine the contact block for the pushbutton or switch head as required. Beside the normal close, normal open and lamp module further connection modules are also available. In addition, customers can choose between screw or push-in connection. This modularity makes the combination of the contact elements easy and, above all, flexible for the customer.

Sustainability and environmental protection require, among other things, a long product life cycle in order to save resources. Therefore, for the MK series the focus was also to offer a durable, robust design. The contact elements are designed for a lifetime of up to 1 million switching cycles. This is not only sustainable but also customer-friendly and meets SCHLEGEL's general quality standards.

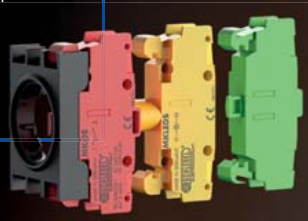
→ **flexible**

In the SCHLEGEL world the MK is versatile: It can be used with all SCHLEGEL pushbuttons and switches for mounting diameter 22.3 and 30.5 mm fitting modular contact blocks. The module holder accepts up to 3 modules which are optionally combinable.



→ **compact**

The contact block is characterised by an extremely compact design. Even if there is less space – the MK is fitting: Thanks to the sophisticated design the height of the contact element is very low and thus the mounting depth of the pushbutton or switch is also significantly reduced.



→ **efficient**

The particular efficiency of the contact block is reflected in its switching capacity and the long lifetime. The MK is also suitable for high voltages and currents and withstands up to 1 million switching cycles.



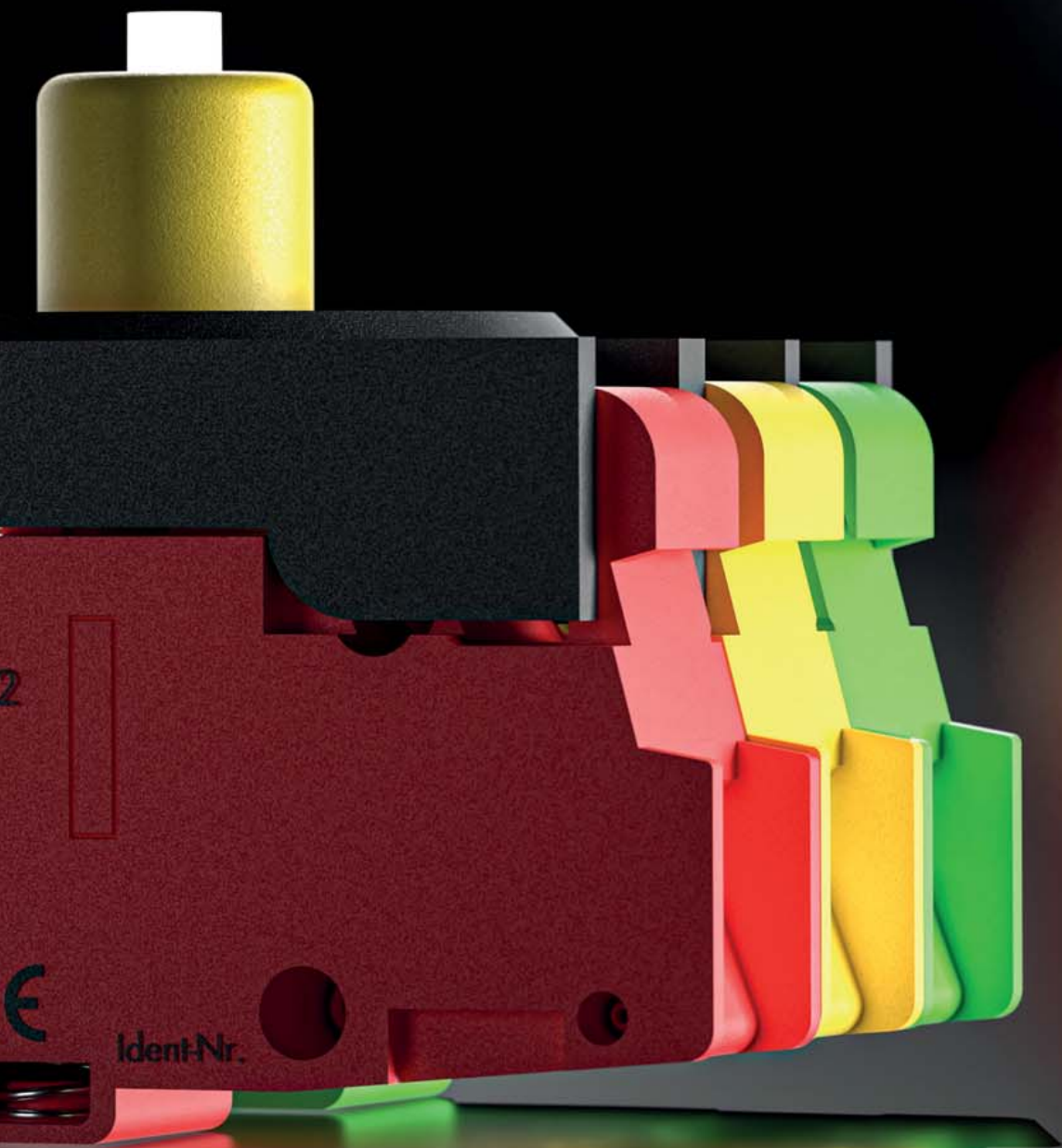
Push-in

- significantly less cabling time
- stable contact even on very strong vibrations

Screw connection

- voltages up to 480 V and currents up to 3 A
- high contact force on the cable of up to 2.5 mm² cross section

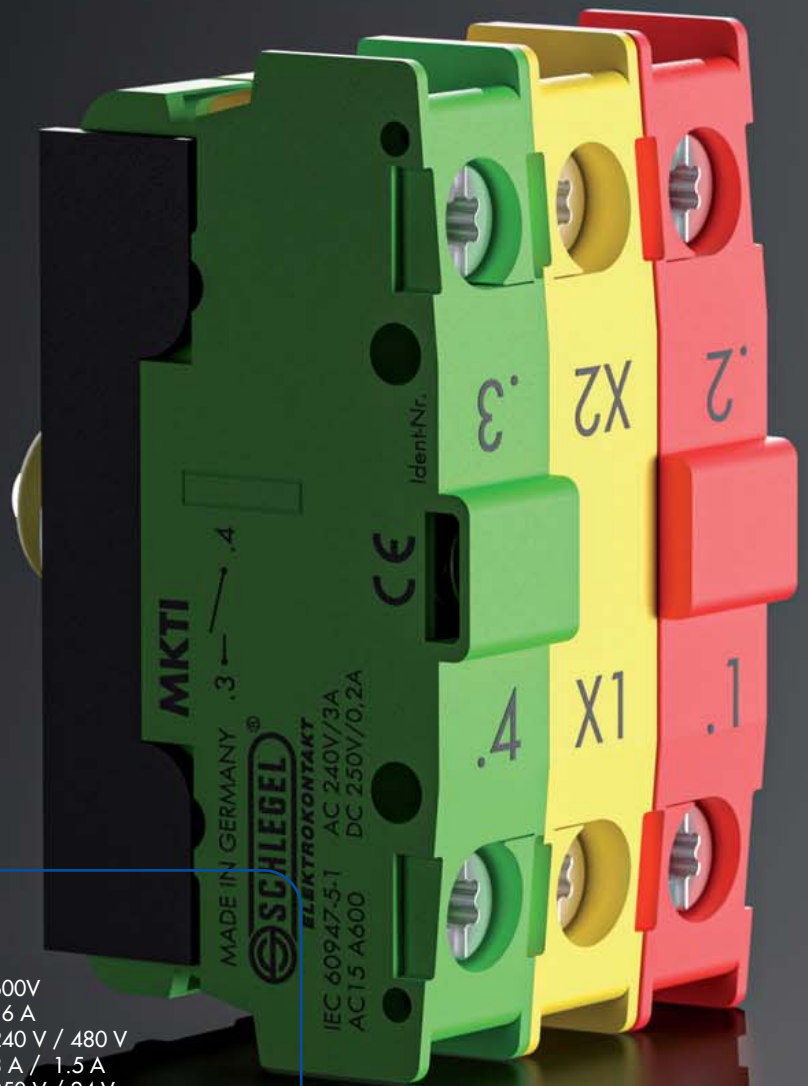




Screw connection



Push-In



→ Technical data

Contacts

Rated insulation voltage U_i		600V
Thermal continuous current I_{th}		16 A
Rated operating voltage U_e	AC15	240 V / 480 V
Rated operating current I_e	AC15	3 A / 1.5 A
Rated operating voltage U_e	DC13	250 V / 24 V
Rated operating current I_e	DC13	0.2 A / 2 A
Lifetime (rated load)		1 million switching cycles
Positive opening contacts (NC)		EN 60947-5-1

Illumination

Operating voltage	AC/DC	24 V
Operating current	AC/DC	11 mA

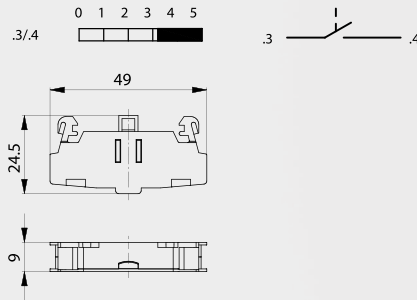
Illustration

Description

Type

IP20

↓ 4mm



**Modular contact block, momentary
1 NO**

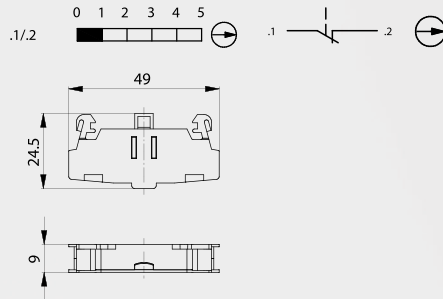
screw connection (torx/slot)

min: 1 x 0.5 mm², 2 x 0.5 mm²
max: 2 x 2.5 mm²

Contact material AgNi **MKTI**

IP20

↓ 4mm



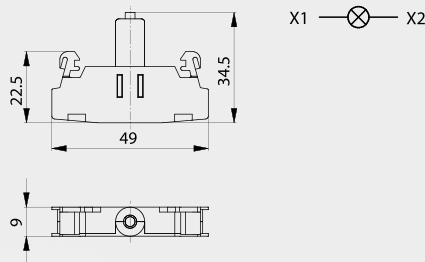
**Modular contact block, momentary
1 NC**

screw connection (torx/slot)

min: 1 x 0.5 mm², 2 x 0.5 mm²
max: 2 x 2.5 mm²

Contact material AgNi **MKTO**

IP20



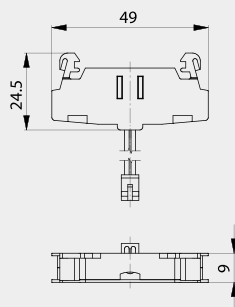
Lamp module with LED 24V

screw connection (torx/slot)

min: 1 x 0.5 mm², 2 x 0.5 mm²
max: 2 x 2.5 mm²

LED colour white **MKLED24W**

IP20



Connection module

screw connection (torx/slot)

min: 1 x 0.5 mm², 2 x 0.5 mm²
max: 2 x 2.5 mm²

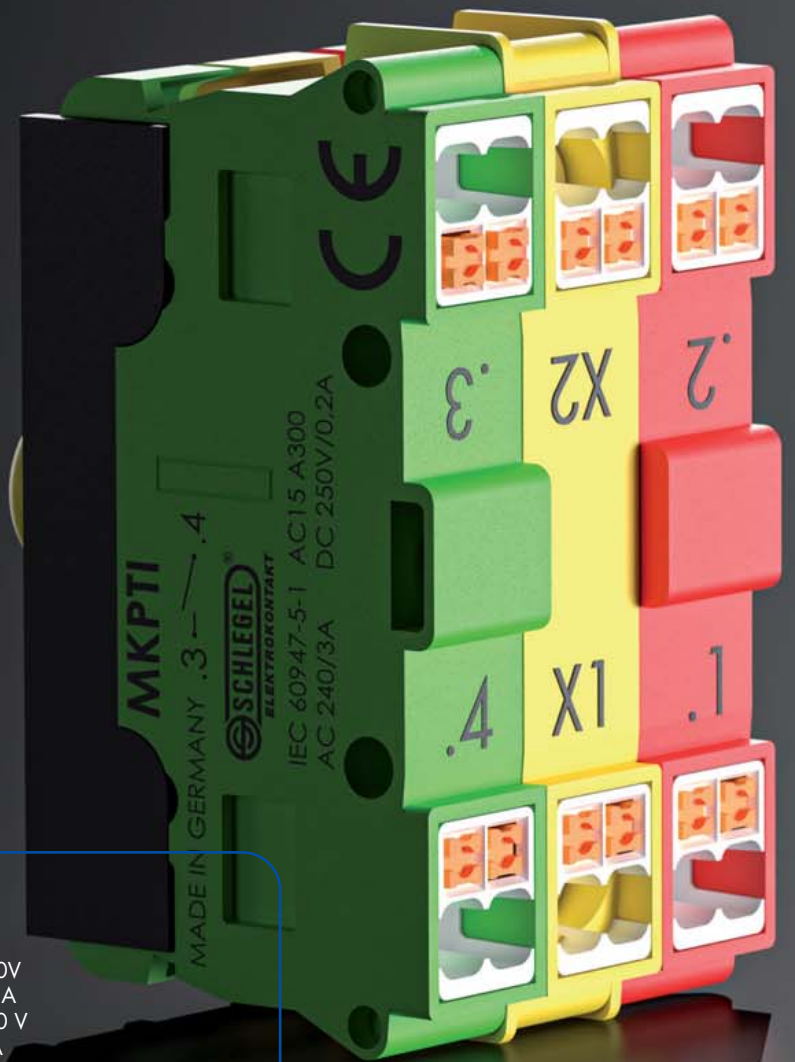
serves to connect the illuminated emergency-stops, the connection module MKAL is snapped into the module holder MKHR_3 12-30V, AC/DC, max. 44 mA

Colour black **MKAL**



Module holder for 3 elements

MKHR_3



→ Technical data

Contacts

Rated insulation voltage U_i		300V
Thermal continuous current I_{th}		16 A
Rated operating voltage U_e	AC15	240 V
Rated operating current I_e	AC15	3 A
Rated operating voltage U_e	DC13	250 V / 24 V
Rated operating current I_e	DC13	0.2 A / 2 A
Lifetime (rated load)		1 million switching cycles
Positive opening contacts (NC)		EN 60947-5-1

Illumination

Operating voltage	AC/DC	24 V
Operating current	AC/DC	11 mA

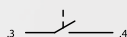
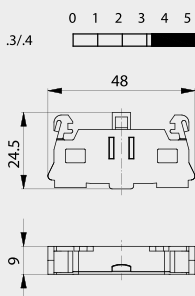
Illustration

Description

Type

IP20

4mm



**Modular contact block, momentary
1 NO**

Push-in connection (2 per connection side)

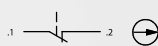
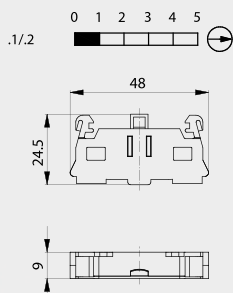
min: 0.14 mm²
max: 1.5 mm²

AWG: 26 - 14

Contact material AgNi **MKP1I**

IP20

4mm



**Modular contact block, momentary
1 NC**

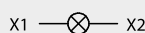
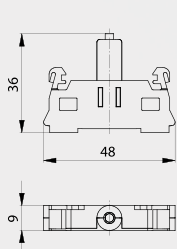
Push-in connection (2 per connection side)

min: 0.14 mm²
max: 1.5 mm²

AWG: 26 - 14

Contact material AgNi **MKP1O**

IP20



Lamp module with LED 24V

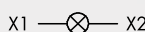
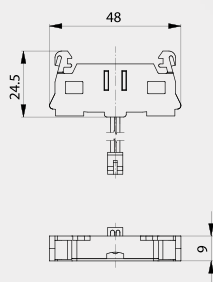
Push-in connection (2 per connection side)

min: 0.14 mm²
max: 1.5 mm²

AWG: 26 - 14

LED colour white **MKPLED24W**

IP20



Connection module

Push-in connection (2 per connection side)

min: 0.14 mm²
max: 1.5 mm²

AWG: 26 - 14

serves to connect the illuminated emergency-stops, the connection module MKPAL is snapped into the module holder MKHR_3

12-30V, AC/DC, max. 44 mA

Colour black **MKPAL**



Module holder for 3 elements

MKHR_3



Georg Schlegel GmbH & Co. KG
Kapellenweg 4
88525 Dürmentingen / Germany

☎ +49 7371 502-0
📠 +49 7371 502 49
@ info@schlegel.biz
🌐 www.schlegel.biz



Subsidiaries:

Schlegel Elektrokontakt GmbH
Schönbachstr. 93
04299 Leipzig / **Germany**

Tel.: +49 341 8 68 72-0
Fax: +49 341 8 68 72 43
E-Mail: leipzig@schlegel.biz
www.schlegel.biz

Georg Schlegel Vertriebs Ges.mbH
Samuel Morse-Straße 7
2700 Wiener Neustadt / **Austria**

Tel.: +43 2622 8 13 13
Fax: +43 2622 8 13 13-19
E-Mail: schlegel@schlegel.at
www.schlegel.at