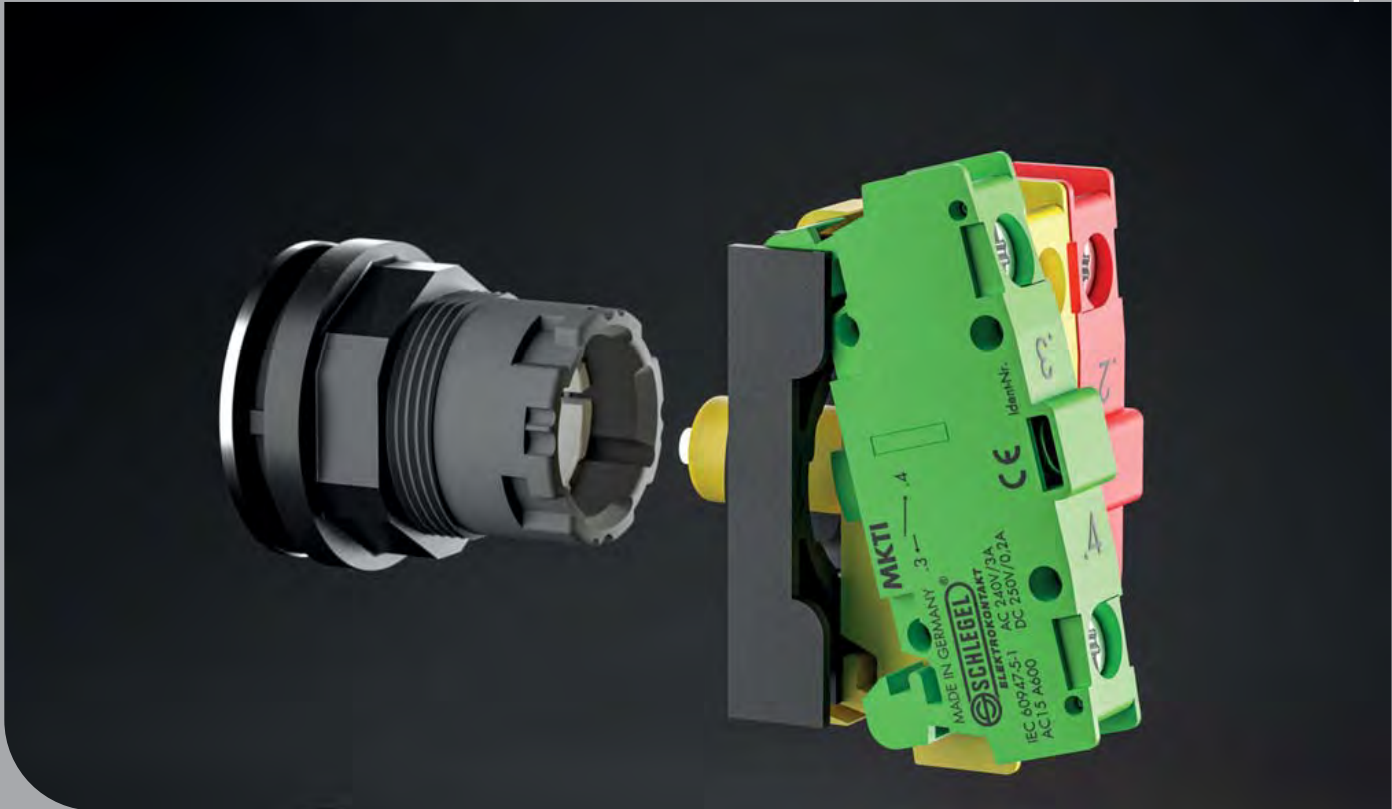




**ELEKTROKONTAKT**

Fascinating Electrotechnics



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



3-4-5

flexible  
compact  
efficient



## Table of contents

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→ 01	Overview modular contact blocks MK/MKP	page 4
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→ 02	Modular contact blocks with <b>screw connection</b>	page 8
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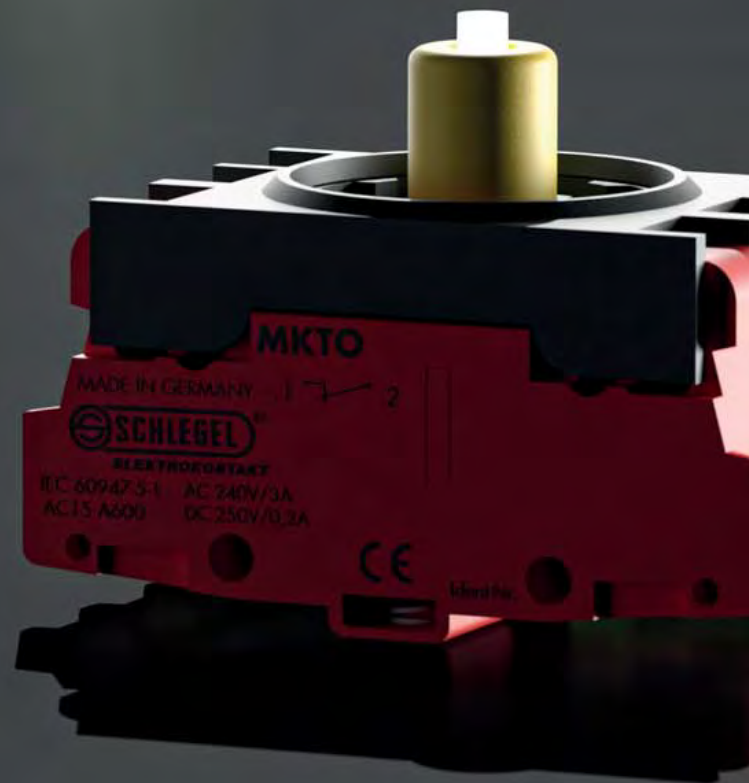
→ 03	Modular contact blocks with <b>push-in connection</b>	page 10
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For detailed information, please refer to [www.schlegel.biz](http://www.schlegel.biz)

### 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.

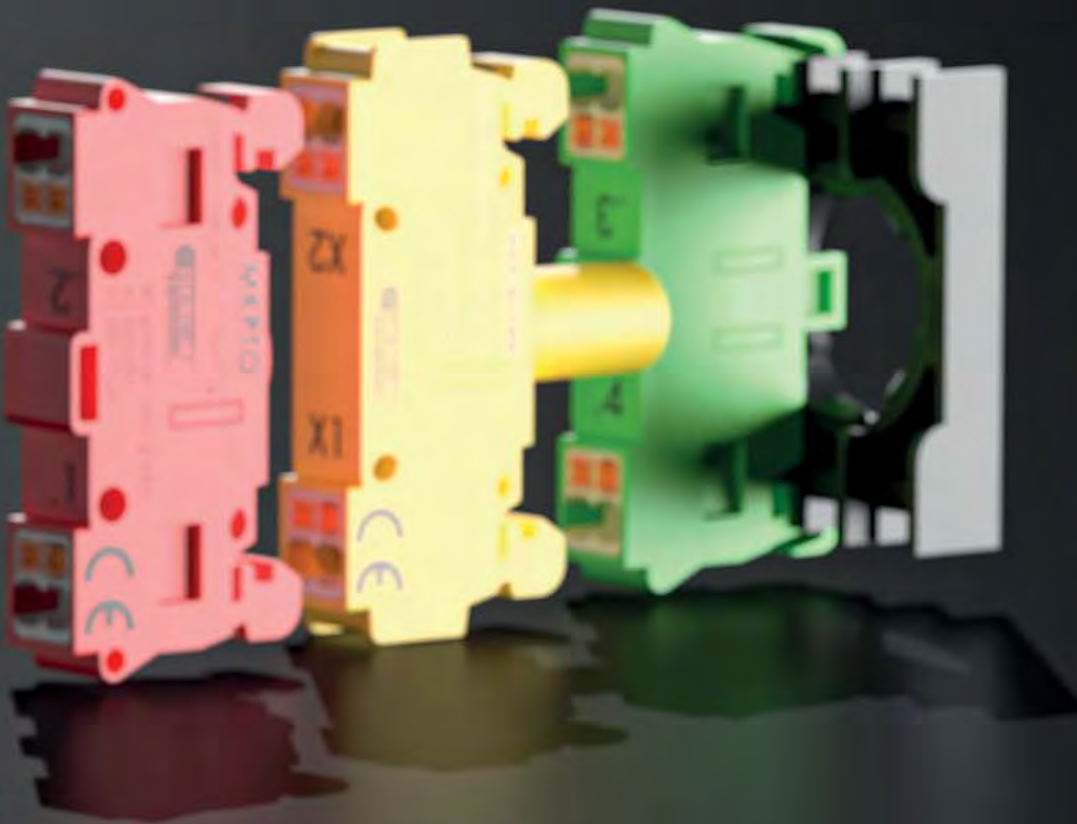




## Five factors played an important role in the development of the MK series:

- 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.



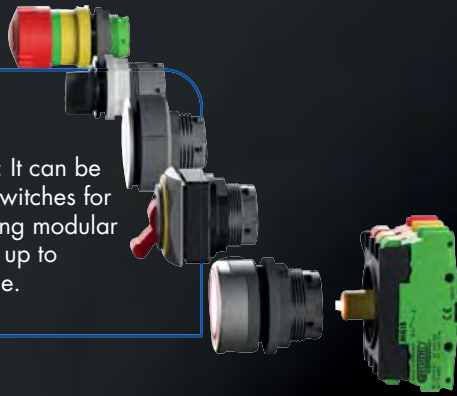
Thanks to the well thought-out design, the contact elements of the MK series are compact despite the high electrical power so that the installation depth is significantly lower. True to the motto: maximum performance with minimal size.

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.

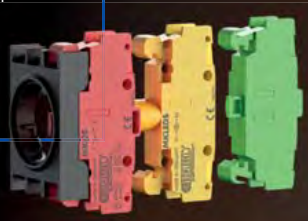
→ **flexible**

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.



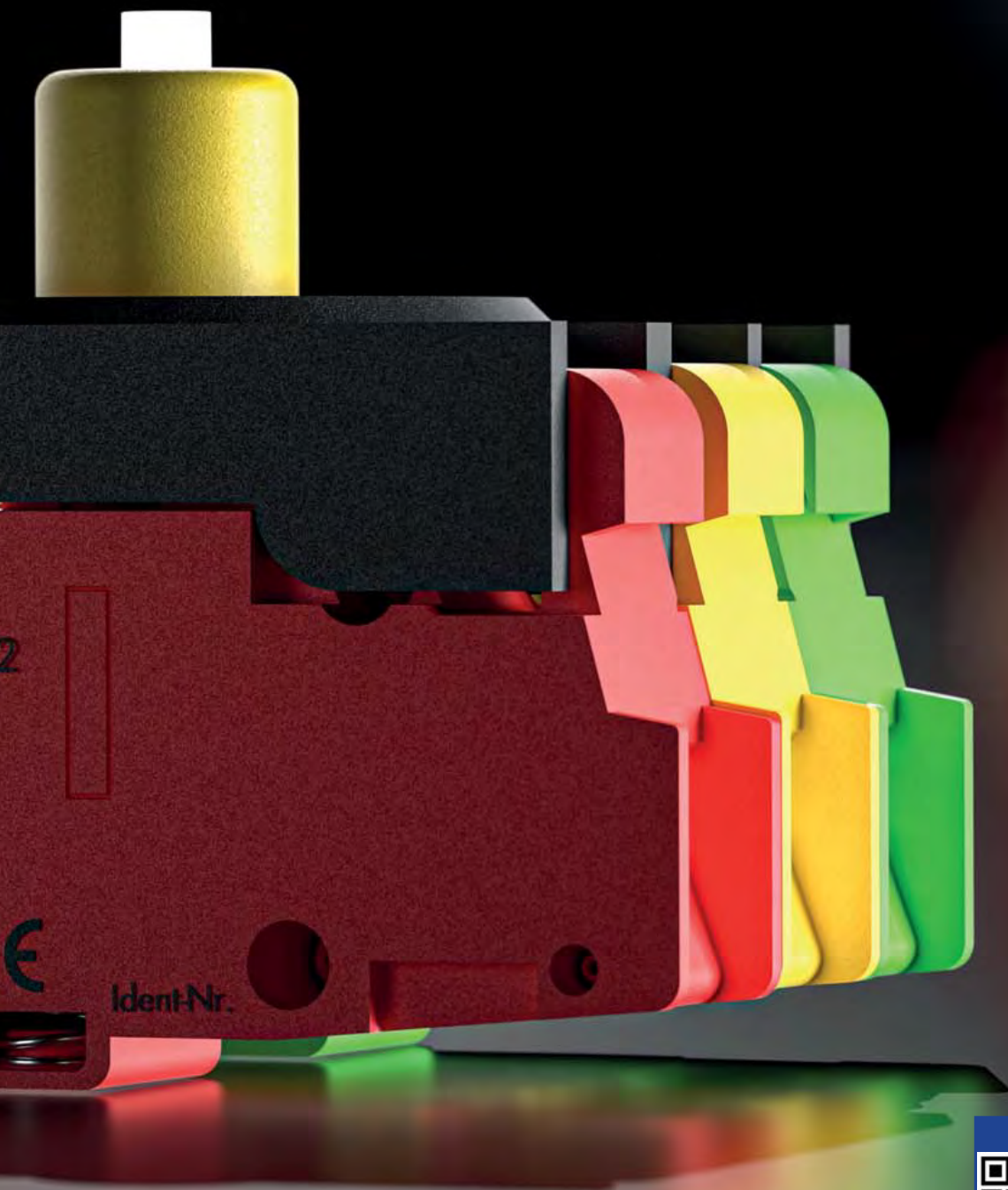
**Push-in**

- 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 mm<sup>2</sup> cross section





Screw connection



Push-In



→ **Technical data**


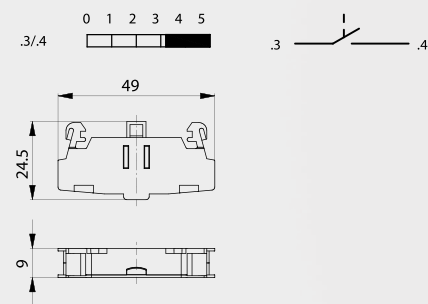
Contacts


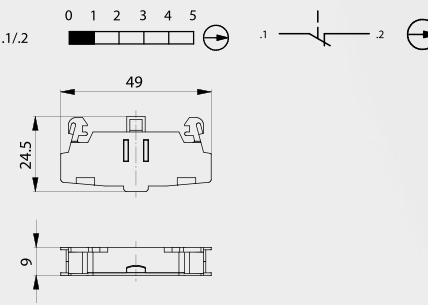
Rated insulation voltage $U_i$		600V
Thermal continuous current $I_{th}$		16 A
Rated operating voltage $U_e$	AC15	240 V / 480 V
Rated operating current $I_e$	AC15	3 A / 1.5 A
Rated operating voltage $U_e$	DC13	250 V / 24 V
Rated operating current $I_e$	DC13	0.2 A / 2 A
Lifetime (rated load)		1 million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


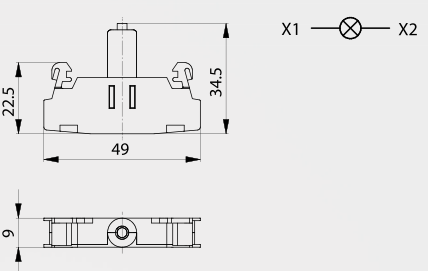
Illumination


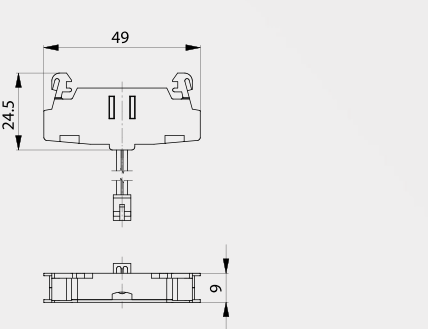
Operating voltage	AC/DC	24 V
Operating current	AC/DC	11 mA


Illustration	Description	Type
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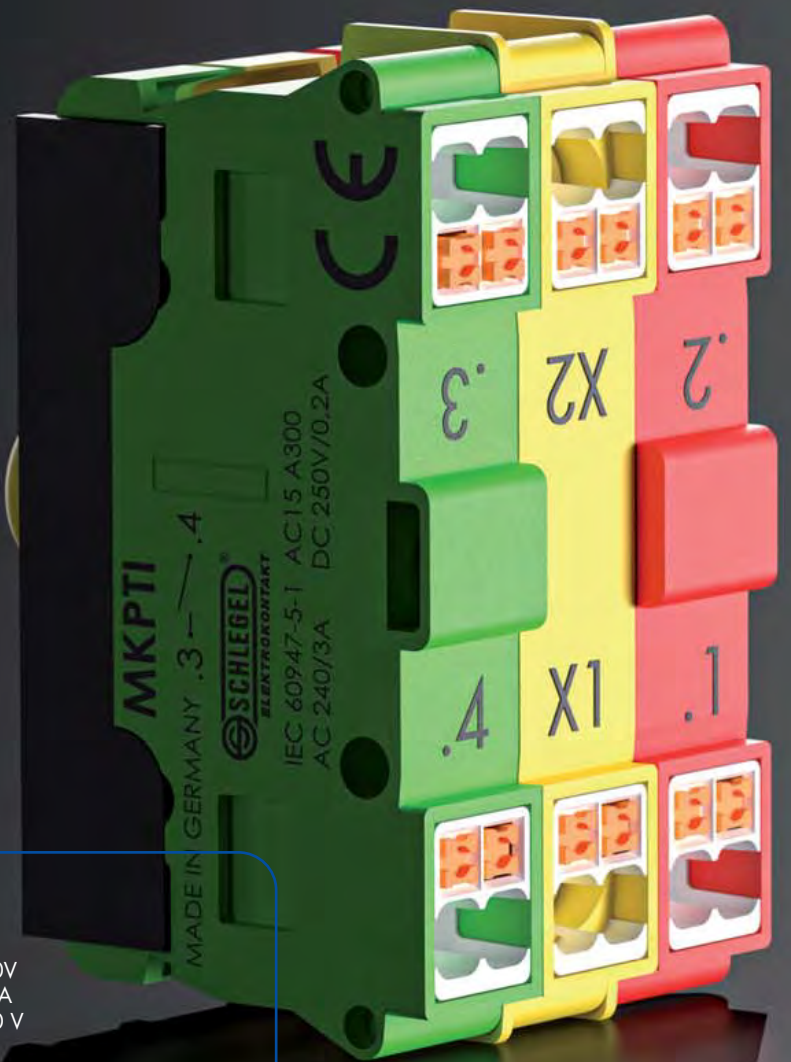
 <p>IP20 4mm</p>		<p><b>Modular contact block, momentary</b> <b>1 NO</b> screw connection (torx/slot)</p> <p>min: 1 x 0.5 mm<sup>2</sup>, 2 x 0.5 mm<sup>2</sup> max: 2 x 2.5 mm<sup>2</sup></p> <p>Contact material      AgNi</p>	<p><b>MKTI</b></p>
		<p>3/4</p>	<p>1</p>

 <p>IP20 4mm</p>		<p><b>Modular contact block, momentary</b> <b>1 NC</b> screw connection (torx/slot)</p> <p>min: 1 x 0.5 mm<sup>2</sup>, 2 x 0.5 mm<sup>2</sup> max: 2 x 2.5 mm<sup>2</sup></p> <p>Contact material      AgNi</p>	<p><b>MKTO</b></p>
		<p>1/2</p>	<p>1</p>

 <p>IP20</p>		<p><b>Lamp module with LED 24V</b> screw connection (torx/slot)</p> <p>min: 1 x 0.5 mm<sup>2</sup>, 2 x 0.5 mm<sup>2</sup> max: 2 x 2.5 mm<sup>2</sup></p> <p>LED colour              white</p>	<p><b>MKLED24W</b></p>
		<p>X1</p>	<p>X2</p>

 <p>IP20</p>		<p><b>Connection module</b> screw connection (torx/slot)</p> <p>min: 1 x 0.5 mm<sup>2</sup>, 2 x 0.5 mm<sup>2</sup> max: 2 x 2.5 mm<sup>2</sup></p> <p>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</p>	<p>Colour                      black</p>	<p><b>MKAL</b></p>
		<p>9</p>		

	<p><b>Module holder for 3 elements</b></p>	<p><b>MKHR_3</b></p>
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→ **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

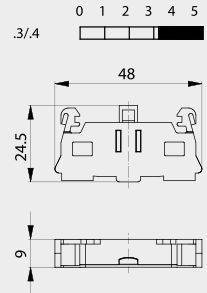
Description

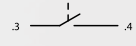
Type

IP20

4mm







**Modular contact block, momentary**  
**1 NO**  
Push-in connection (2 per connection side)


min: 0.14 mm<sup>2</sup>  
max: 1.5 mm<sup>2</sup>

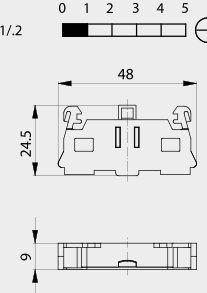
AWG: 26 - 14

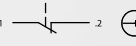
Contact material      AgNi      **MKPTI**

IP20

4mm









**Modular contact block, momentary**  
**1 NC**  
Push-in connection (2 per connection side)

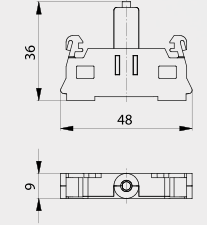
min: 0.14 mm<sup>2</sup>  
max: 1.5 mm<sup>2</sup>

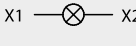
AWG: 26 - 14

Contact material      AgNi      **MKPTO**

IP20






**Lamp module with LED 24V**  
Push-in connection (2 per connection side)

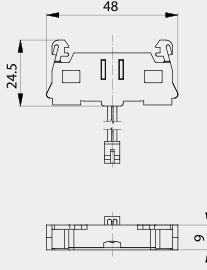
min: 0.14 mm<sup>2</sup>  
max: 1.5 mm<sup>2</sup>

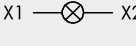
AWG: 26 - 14

LED colour              white      **MKPLED24V**

IP20








**Connection module**  
Push-in connection (2 per connection side)

min: 0.14 mm<sup>2</sup>  
max: 1.5 mm<sup>2</sup>

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**

MKP



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