



## General Data

Type Reference:	DT...
Description:	Modular Contact Block, with Cage-Clamp technology
Approvals:	CCC, cCSAus, ENEC10, VDE, CE, GL, KEMA KEUR, TÜV_Süd
Protection class:	II (protective insulation)
Operation travel:	6 mm
Connection type:	Cage-Clamp 0.08-2.5 mm <sup>2</sup>
Contact material:	AgNi
Max. storage temperature:	-40°C ... 70°C
Max. operating temperature:	-25°C ... 55°C, with/without illumination
Mechanical life:	1 m switching cycles
Electrical life (rated load):	50,000
Contact resistance NO:	< 20 mOhm (new state)
Contact resistance NC:	< 20 mOhm (new state)
Min. current:	1 mA (under laboratory conditions)
Min. voltage:	5 V
Bouncing time NO:	< 10ms
Bouncing time NC:	< 10ms
Positive opening contact:	acc. to EN60947-5-1, appendix. K

## Electrical data acc. to IEC/EN 60947-5-1 (VDE 0660 Sect. 200)

Utilisation category:	alternate current	direct current
Rated insulation voltage Ui:	AC15 A600	DC13 Q300
Rated operating voltage Ue:	600 V	400V
Rated operating current Ie:	240V / 380V	250V / 125V / 60V / 24V
Breaking capacity:	3A / 1.9A	0.27 A / 0.55 A / 1 A / 2 A
Continuous thermal current:	10Ie	1,1Ie
	16 A	

## Electrical data acc. to IEC/EN 61058-1 (VDE 0630 Sect. 1)

Rated voltage Ue:	250 V~ / 400 V~
Rated current Ie:	16(10) A / 10(5) A

## Technical Data - Lamp

Lamp socket:	BA9s
Max. lamp voltage:	250V
Max. lamp output:	2 W
Definition:	X1...anode, X2...cathode

## Electrical Features

Switching voltage:	20mV ... 42V AC/DC
Switching current:	1mA ... 250mA
Contact resistance (new state):	< 50 mOhm

## Environmental / Climatic Tests

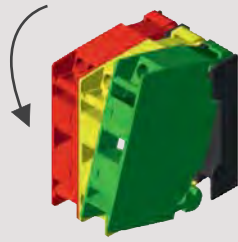
Vibration resistance:	50m/s <sup>2</sup> at 5-150Hz according to DIN IEC 68 2-6
Shock resistance:	30m/s <sup>2</sup> at 50ms acc. to DIN IEC 68 2-27
Constant climatic resistance:	IEC 600-68-2-3 and 2-30

## Note

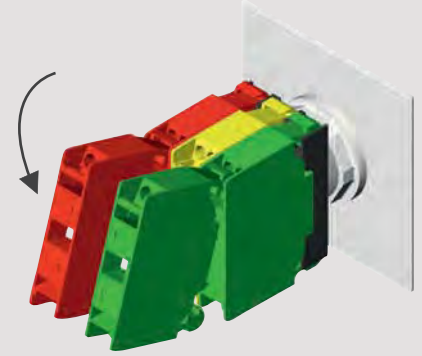
- When combining the DT... contact blocks with key actuators, selector and toggle heads, add the type code ...\_497 to the actuator type reference!
- Min. operating temperature when assembled with KRJ...actuators: -40°C ...
- The use of wire end ferrules is basically possible but not necessary.

## Mounting Instructions

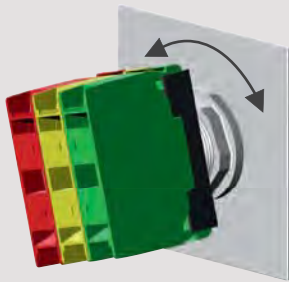
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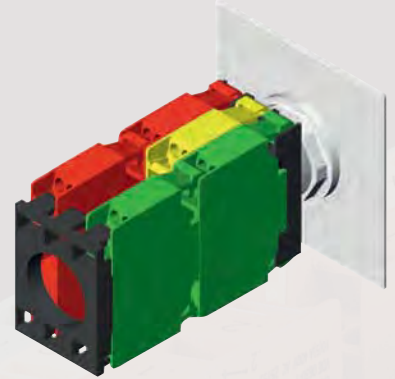
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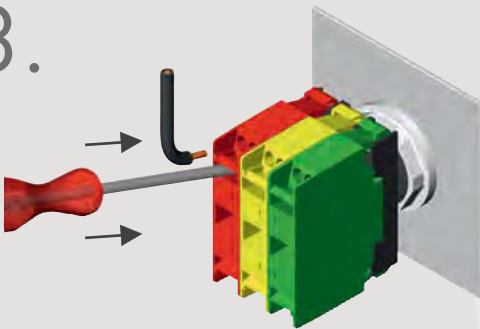
2.



6.



3.



4.

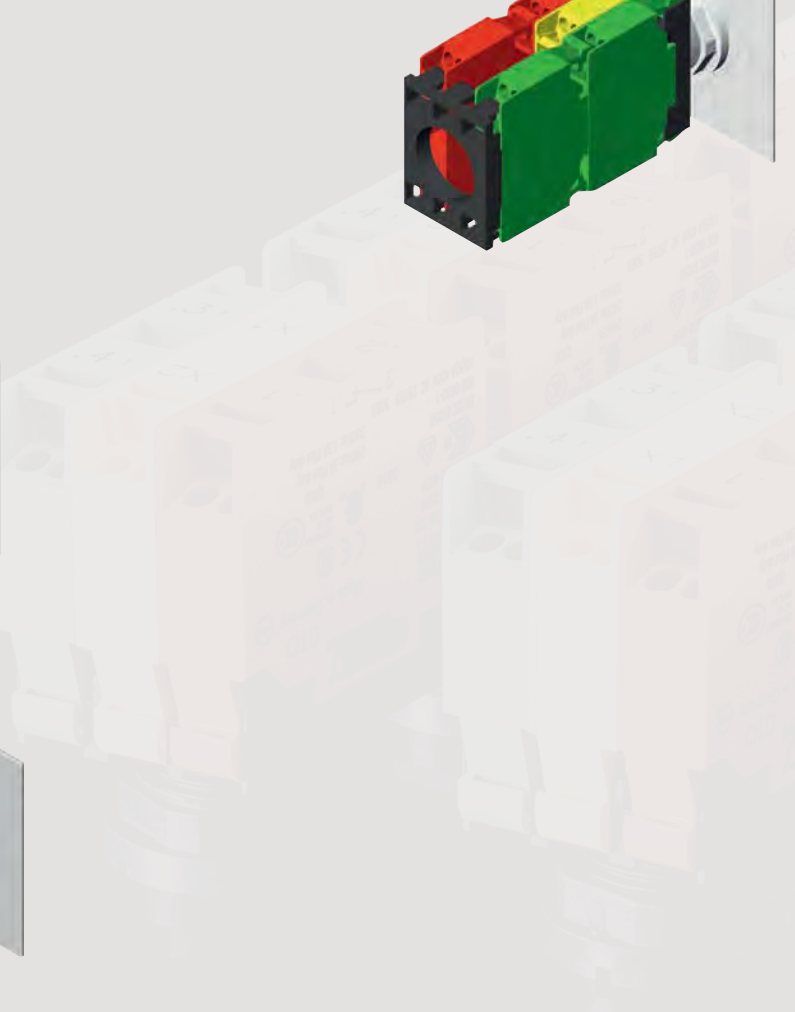
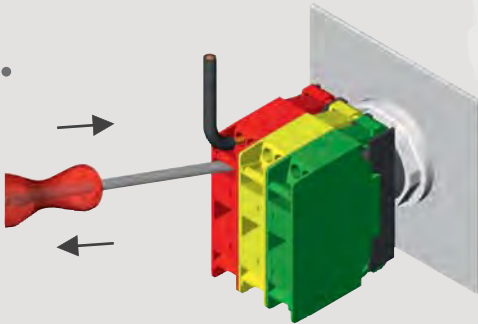




Illustration	Description	Type
 <p>6 mm</p> <p>0 1 2 3 4 5 6 7 .1/.2</p> <p>.1 .2</p>	<p><b>Modular Contact Block, momentary 1NC</b> Cage-Clamp 0.08-2.5 mm<sup>2</sup></p> <p>suitable actuators</p> <p>contact material AgNi</p>	<b>DTO</b>
 <p>6 mm</p> <p>0 1 2 3 4 5 6 7 .5/.6</p> <p>.5 .6</p>	<p><b>Modular Contact Block, momentary 1NC late break</b> Cage-Clamp 0.08-2.5 mm<sup>2</sup></p> <p>suitable actuators</p> <p>contact material AgNi</p>	<b>DTON</b>
 <p>6 mm</p> <p>0 1 2 3 4 5 6 7 .3/.4</p> <p>.3 .4</p>	<p><b>Modular Contact Block, momentary 1NO</b> Cage-Clamp 0.08-2.5 mm<sup>2</sup></p> <p>suitable actuators</p> <p>contact material AgNi</p>	<b>DTI</b>
 <p>6 mm</p> <p>0 1 2 3 4 5 6 7 .7/.8</p> <p>.7 .8</p>	<p><b>Modular Contact Block, momentary 1NO early make</b> Cage-Clamp 0.08-2.5 mm<sup>2</sup></p> <p>suitable actuators</p> <p>contact material AgNi</p>	<b>DTIV</b>
 <p>X1 X2</p>	<p><b>Lamp Module Lampholder</b> Cage-Clamp 0.08-2.5 mm<sup>2</sup> max. 250V 2W lamp socket BA9s</p> <p>suitable actuators/pilot light heads</p> <p>colour yellow</p>	<b>DL</b>
 <p>6 mm</p> <p>-6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7 .1/.2</p> <p>Beittger auferaset, in Ruhestellung</p> <p>.1 .2</p>	<p><b>Self-monitoring Emergency Contact Block, momentary* 1NC (+ 1NO)</b> Cage-Clamp 0.08-2.5 mm<sup>2</sup></p> <p>*) 1 NC, 1NO and 1safety contact consisting of 1 emergency NC connected in series to 1 NO which is always closed during operation and disconnects automatically on separation of the actuator from the modular contact.</p> <p>suitable actuators</p> <p>contact material AgNi</p>	<b>DMTOSFA</b>
	<p><b>Dummy Module</b> used in case of several levels to fill the positions not occupied</p> <p>colour grey</p>	<b>DB</b>

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# Contact Blocks

Cage-Clamp 0.08-2.5 mm<sup>2</sup>

made in germany



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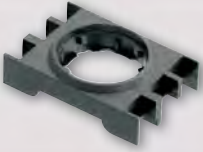





Enclosures

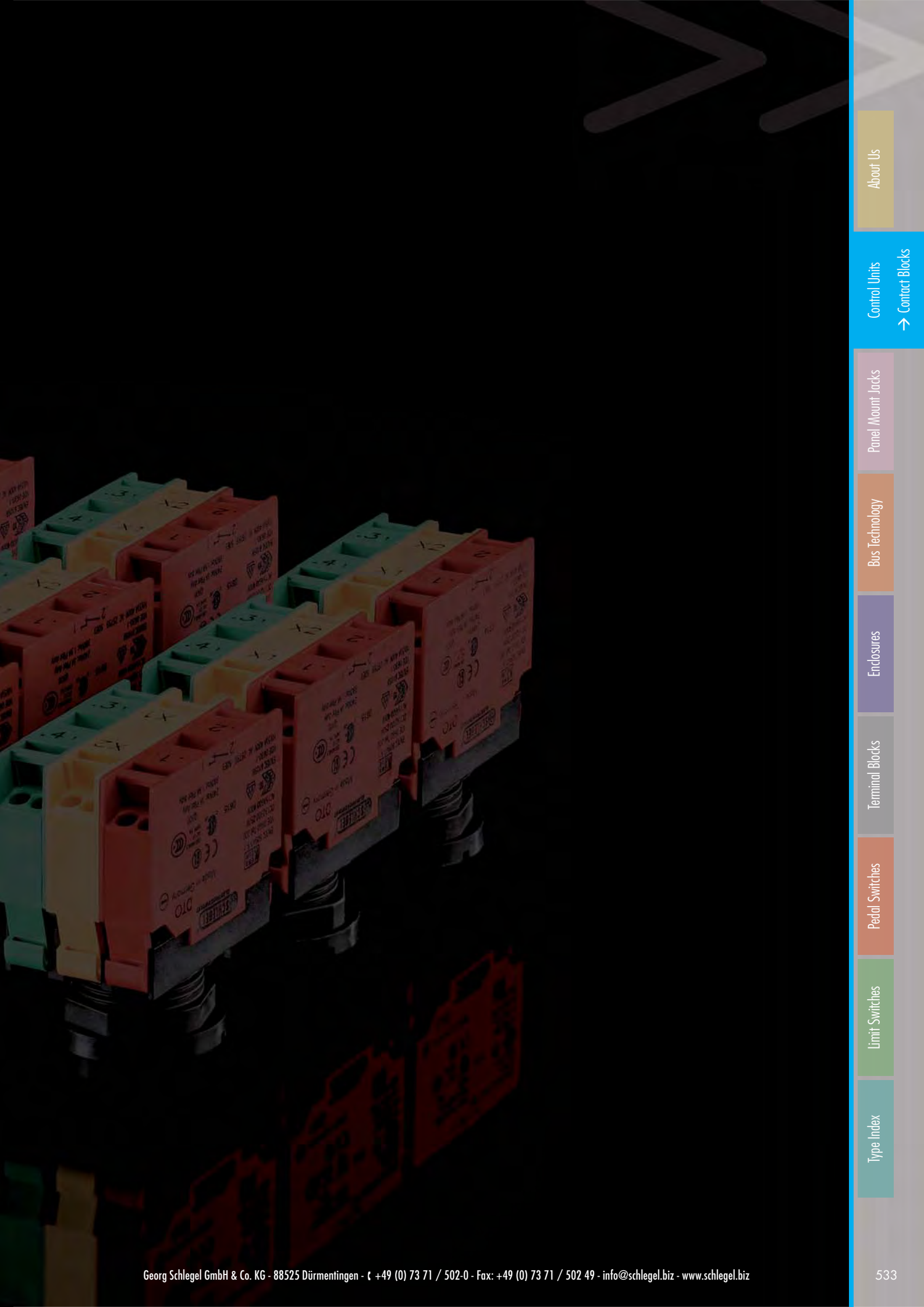
Terminal Blocks

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Illustration	Description	Type
	<b>Module Holder for 3 modules</b> with bayonet, to combine the modular contact blocks with the actuators	<b>DMR</b>
	<b>Module Holder</b> for modules from second level on	<b>DMA</b>
	<b>Ultra-bright LED, BA9s socket</b> with integrated bridge rectifier for 24V AC/DC, 15mA colour white	<b>LD9-24UW</b>
	<b>Mega-bright LED, BA9s</b> with integrated bridge rectifier for 24V .. 28V AC/DC, 15.5mA (typ. 24V) colour white	<b>LD9-24MW</b>
	<b>Ultra-bright LED, BA9s</b> with integrated single-wave rectifier for 230V AC, 3mA colour white	<b>LD9-230UW</b>
	<b>Flashing LED, BA9s</b> for 24V colour green red yellow	<b>LB9-24G</b> <b>LB9-24R</b> <b>LB9-24Y</b>



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