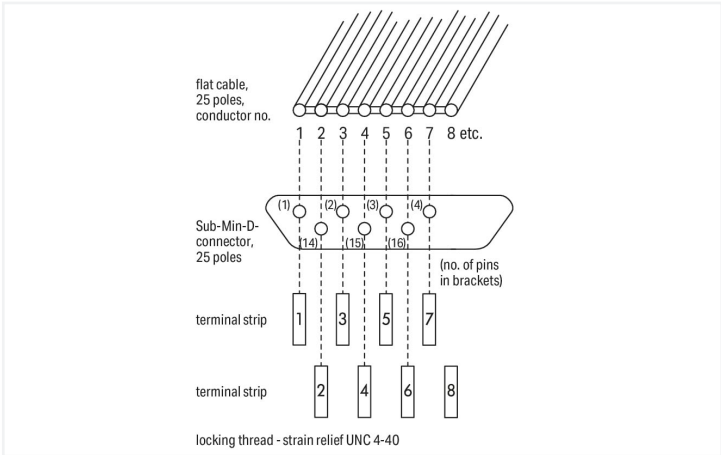
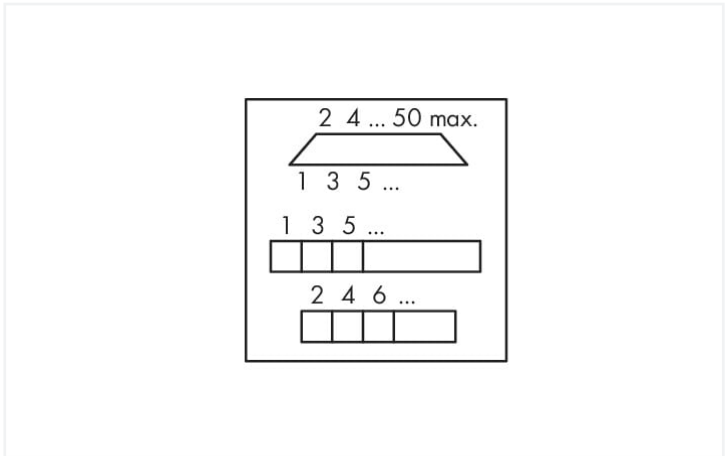


Similar to illustration



Electrical data	
Operating voltage	≤30 VAC; ≤50 VDC
Nominal current	1 A
Contact resistance (max.)	30 mΩ

Safety and protection	
Rated voltage	50 V
Rated surge voltage	0.8 kV
Pollution degree	2
Protection type	IP00; Notice! Live parts can be easily touched! Protection against direct contact must be provided by the equipment manufacturer, e.g., using a WAGO 709 Series Cover (see "Accessories") or a similar cover. The installation guidelines must be observed for each individual application.
Dielectric strength (channel/channel) (AC, 1 min.)	1.3 kVrms
Insulation type	Functional insulation



Connection data																	
Performance level	2 / 200 mating cycles		<div>Connection 1</div> <table><tr><td>Connector</td><td>D-subminiature female connector</td></tr><tr><td>Pole number 1</td><td>50</td></tr><tr><td>Connection type 1</td><td>System</td></tr><tr><td>Note (conductor cross-section)</td><td>12 AWG: THHN, THWN</td></tr><tr><td>Mating direction</td><td>vertical</td></tr><tr><td>For mating connector</td><td>with IDC</td></tr><tr><td>Connection type</td><td>Female connector; D-sub/HD D-sub</td></tr></table>	Connector	D-subminiature female connector	Pole number 1	50	Connection type 1	System	Note (conductor cross-section)	12 AWG: THHN, THWN	Mating direction	vertical	For mating connector	with IDC	Connection type	Female connector; D-sub/HD D-sub
Connector	D-subminiature female connector																
Pole number 1	50																
Connection type 1	System																
Note (conductor cross-section)	12 AWG: THHN, THWN																
Mating direction	vertical																
For mating connector	with IDC																
Connection type	Female connector; D-sub/HD D-sub																
Strain relief	UNC 4-40 stud bolt																

Connection 2	
Design 2	PCB terminal blocks (double-row)
Pole number 2	50
Connection type 2	Field
Connection technology 2	CAGE CLAMP®
WAGO connector 2	WAGO 236 Series
Solid conductor 2	0.08 ... 2.5 mm² / 28 ... 12 AWG
Fine-stranded conductor 2	0.08 ... 2.5 mm² / 28 ... 12 AWG
Strip length 2	5 ... 6 mm / 0.2 ... 0.24 inches





Physical data	
Width	157 mm / 6.181 inches
Height	63.5 mm / 2.5 inches
Depth from upper-edge of DIN-rail	19 mm / 0.748 inches

Mechanical Data	
Mounting type	DIN-35 rail
Housing design	PCB with mounting feet

Material Data	
Contact material (connector)	Au over Ni
Fire load	0.081 MJ
Weight	98.7 g

Environmental requirements	
Ambient temperature (operation at U _N)	-20 ... +50 °C
Surrounding air temperature (storage)	-40 ... +70 °C
Relative humidity	≤ 85% (non-condensing)
Operating altitude (max.)	2000 m



Standards and specifications				
Standards/specifications			EN 61010-2-201	
Commercial data				
Product Group			6 (INTERFACE ELECTRONIC)	
eCl@ss 10.0			27-14-11-52	
eCl@ss 9.0			27-14-11-52	
ETIM 8.0			EC002780	
ETIM 7.0			EC002780	
PU (SPU)			5 (1) pcs	
Packaging type			Box	
Country of origin			DE	
GTIN			4045454409715	
Customs tariff number			85369010000	
End of Sale			2022-09-16	
End of Production			2022-09-17	
End of Delivery			2022-09-18	
End of Service and Repair			2023-09-30	
Downloads				
Documentation				
Bid Text			Instruction Leaflet	
289-454	19.02.2019	xml 3.57 KB	pdf 1246.19 KB	
289-454	06.02.2015	doc 26.50 KB		
CAD/CAE-Data				
CAD data			CAE data	
2D/3D Models 289-454			EPLAN Data Portal 289-454	
			WSCAD Universe 289-454	
			ZUKEN Portal 289-454	
1 Compatible Products				
1.1 Optional Accessories				
1.1.1 Installation				

1.1.1.1 Cover



Item No.: 709-153
Cover; Type 1; suitable for cover carrier, type 1; 1 m long; transparent

1.1.1.2 Cover carrier



Item No.: 709-167
Cover carrier; Type 1; incl. fixing/retaining screws and knurled nut; suitable for 279 to 282 and 880 Series rail-mounted terminal blocks; suitable for 264 Series miniature rail-mounted terminal blocks; suitable for 270 Series sensor and actuator terminal blocks; gray

1.1.2 Tool

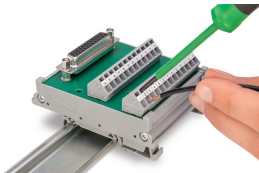
1.1.2.1 Operating tool



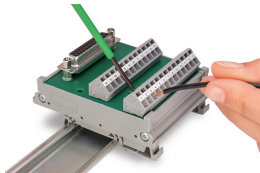
Item No.: 210-720
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

Installation Notes

Conductor termination



Conductor termination – screwdriver actuation parallel to conductor entry



Conductor termination – screwdriver actuation perpendicular to conductor entry