Connection Modules for Sensors and Actuators

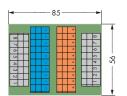
Front-entry

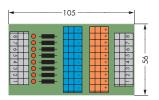
	onnection module r 8 x 3-conductor sensors	Connection module for 8 x 3-conductor sensors LED indicator for positive or negative switching
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Graphic 289-665





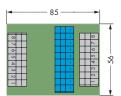
Description	Item No.	Pack. Unit	Item No. Po
Connection module	289-664	1	289-665
			289-666 1
Technical Data			
Operating voltage	125 V AC/DC		24 V DC (± 10 %)
Max. current per connection	1 A		1 A
Max. total current	8 A		8 A
Power consumption LED			5.2 mA
Nominal voltage acc. to VDE 0110 Part 1/4.97,	125 V / 1.5 kV / 2		
IEC 60664-1			
Dimensions (mm) W x H x L incl.	56 x 34 x 85		56 x 34 x 105
mounting feet or mounting carrier			
	Height from upper-edge of DIN 35 rail	Height from upper-edge of DIN 35 rail	
Wire connection	CAGE CLAMP® (WAGO 236 Series)		CAGE CLAMP® (WAGO 236 Series)
Cross sections	0.08 mm ² 2.5 mm ² / AWG 28 12		0.08 mm ² 2.5 mm ² / AWG 28 12
Stripped lengths	5 6 mm / 0.22 in		5 6 mm / 0.22 in
Accessories			
WMB Multi marking system for mounting carrier	see page 408		see page 408
Marker strips for mounting carrier	white 709-198 / transparent 709-197		white 709-198 / transparent 709-197

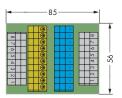
CAGE CLAMP®

Connection module for 8 actuators	Connection module for 8 actuators with ground (earth) contact









Description		Pack. Unit		Pac Uni
Connection module	289-667	1	289-671	1
Technical Data				
Operating voltage	125 V AC/DC		125 V AC/DC	
Max. current per connection	1 A		1 A	
Max. total current	8 A		8 A	
Nominal voltage acc. to VDE 0110 Part 1/4.97,	125 V / 1.5 kV / 2		125 V / 1.5 kV / 2	
IEC 60664-1				
Dimensions (mm) W x H x L incl.	56 x 34 x 85		56 x 34 x 85	
mounting feet or mounting carrier				
	Height from upper-edge of DIN 35 rail		Height from upper-edge of DIN 35 rail	
Wire connection	CAGE CLAMP® (WAGO 236 Series)		CAGE CLAMP® (WAGO 236 Series)	
Cross sections	0.08 mm ² 2.5 mm ² / AWG 28 12		0.08 mm ² 2.5 mm ² / AWG 28 12	
Stripped lengths	5 6 mm / 0.22 in		5 6 mm / 0.22 in	
Accessories				
WMB Multi marking system for mounting carrier	see page 408		see page 408	
Marker strips for mounting carrier	white 709-198 / transparent 709-197		white 709-198 / transparent 709-197	

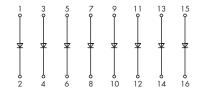


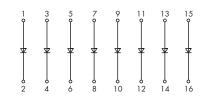
Rail-Mounted Modules - Diode Gates

Open diode gate with 8 diodes 1 N 4007 can be connected individually Open diode gate with 8 diodes P 600 B can be connected individually







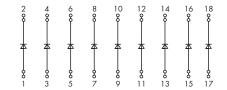


^{*} Max. admissible current acc. to the manufacter's data sheet. With all diodes loaded, the continuous current must be reduced.

Description	Item No.	Pack. Unit	Item No.	Pack. Unit	
Open diode gate	289-101	1	289-103	1	
Technical Data					
Operating voltage	250 V AC/DC		100 V AC/DC		
Peak reverse voltage	1000 V		100 V		
Rectified current for each diode *	1 A		6 A		
Nominal voltage acc. to VDE 0110 Part 1/4.97,	250 V / 4 kV / 3		250 V / 4 kV / 3		
IEC 60664-1	05.00		05.00		
Ambient operating temperature	-25 °C +40 °C		-25 °C +30 °C		
Dimensions (mm) L x W x H incl. mounting carrier and	47 x 31.5 x 65.5		47 x 31.5 x 65.5		
universal mounting feet	11:1:1	.1	11:1:1		
NA (*)	Height from upper-edge of DIN 35		Height from upper-edge of DIN 35		
Wire connection Cross sections	CAGE CLAMP [®] (WAGO 236 Ser 0.08 mm ² 2.5 mm ² / AWG 28		CAGE CLAMP® (WAGO 236 Ser		
	5 6 mm / 0.22 in	12	0.08 mm ² 2.5 mm ² / AWG 28 12 5 6 mm / 0.22 in		
Stripped lengths	5 6 mm / 0.22 in		5 6 mm / 0.22 in		
Accessories	Item No.	Pack. Unit	Item No.	Pack. Unit	
Mounting carrier, for screw-fixing or DIN-rail mounting	288-001	1	288-001	1	
(with snap-fit type universal mounting feet to be ordered					
separately)					
Universal mounting foot; snap-fit type; suitable for DIN 15,	288-002	10	288-002	10	
32 and 35 rails (also see page 258)					

Open diode gate
with 9 diodes 1 N 5408
can be connected individually
2 inputs/2 outputs per diode including
Mounting carrier for DIN 35 rail





* Max. admissible current acc. to the manufacter's data sheet. With all diodes loaded, the continuous current must be reduced.

Description	Item No. Pac	ack. nit
Open diode gate	289-105	
Technical Data		
Operating voltage	250 V AC/DC	
Peak reverse voltage	1000 V	
Rectified current for each diode *	3 A	
Rectified current for each diode	10 µA	
Forward voltage for each Diode	1.3 V	
Forward current (resistent) for each diode	3 A	
Nominal voltage acc. to VDE 0110 Part 1/4.97,	250 V / 4 kV / 3	
IEC 60664-1		
Ambient operating temperature	-25 °C +40 °C	
Dimensions (mm) L \times W \times H incl. mounting carrier and	51 x 48 x 85	
universal mounting feet		
	Height from upper-edge of DIN 35 rail	
Wire connection	CAGE CLAMP® (WAGO 736 Series)	
Cross sections	0.08 mm ² 2.5 mm ² / AWG 28 12	
Stripped lengths	5 6 mm / 0.22 in	
Accessories		
WMB Multi marking system for mounting carrier	see page 408	
Marker strips for mounting carrier	white 709-198 / transparent 709-197	



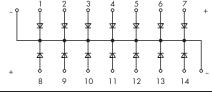
Rail-Mounted Modules - Diode Gates

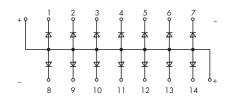
Polarized diode gate with 14 diodes 1 N 4007 common cathode	Polarized diode gate with 14 diodes 1 N 4007 common anode





* Max. admissible current acc. to the manufacter's data sheet. With all diodes loaded, the continuous current must be reduced.





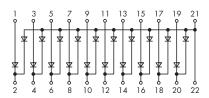
Description	Item No.	Pack. Unit	Item No.	Pack Unit
Polarized diode gate	289-111	1	289-121	1
-				
Technical Data				
Operating voltage	250 V AC/DC		250 V AC/DC	
Peak reverse voltage	1000 V		1000 V	
Rectified current for each diode *	1 A		1 A	
Nominal voltage acc. to VDE 0110 Part 1/4.97,	250 V / 4 kV / 3		250 V / 4 kV / 3	
IEC 60664-1				
Ambient operating temperature	-25 °C +40 °C		-25 °C +40 °C	
Dimensions (mm) L x W x H incl. mounting carrier and	47 x 31.5 x 65.5		47 x 31.5 x 65.5	
universal mounting feet				
	Height from upper-edge of DIN 35		Height from upper-edge of DIN 35 rai	
Wire connection	CAGE CLAMP® (WAGO 236 Serie		CAGE CLAMP® (WAGO 236 Series)	
Cross sections	0.08 mm ² 2.5 mm ² / AWG 28	12	0.08 mm ² 2.5 mm ² / AWG 28 12	
Stripped lengths	5 6 mm / 0.22 in		5 6 mm / 0.22 in	
		Pack.		Pack
Accessories	Item No.	Unit	Item No.	Unit
Mounting carrier, for screw-fixing or DIN-rail mounting	288-001	1	288-001	1
(with snap-fit type universal mounting feet to be ordered				
separately)				
Universal mounting foot; snap-fit type; suitable for DIN 15,	288-002	10	288-002	10

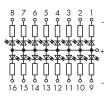
2

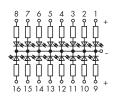
Lamp test circuit module with 20 diodes for testing 10 lamps with Mounting feet for DIN 35 rail LED gate module with 16 LEDs, common anode or cathode











Description	Item No.	Pack. Unit	Item No.	Pack. Unit
Gate module	289-151	1	289-202	1
			289-201	1
Technical Data				
Operating voltage	250 V AC/DC		24 V DC	
Operating voltage range	0 V 250 V AC/DC		20 V 26 V DC	
Power consumption at V _N			5.6 mA each LED	
Peak reverse voltage	1600 V			
Rectified current for each diode, resistive	1 A			
Nominal voltage acc. to VDE 0110 Part 1/4.97,	250 V / 4 kV / 3			
IEC 60664-1				
Ambient operating temperature	-25 °C +40 °C		-25 °C +40 °C	
Dimensions (mm) W x H x L incl.	69 x 21 x 50		47 x 31.5 x 65.5	
mounting feet or mounting carrier				
	Height from upper-edge of DIN 35		Height from upper-edge of DIN 35 rail	
Wire connection	CAGE CLAMP® (WAGO 236 Serie		CAGE CLAMP® (WAGO 236 Series)	
Cross sections	0.08 mm ² 2.5 mm ² / AWG 28	12	0.08 mm ² 2.5 mm ² / AWG 28 12	2
Stripped lengths	5 6 mm / 0.22 in		5 6 mm / 0.22 in	
Accessories			Item No.	Pack Unit
Mounting carrier, for screw-fixing or DIN-rail mounting			288-001	1
(with snap-fit type universal mounting feet to be ordered				
separately)				
Universal mounting foot; snap-fit type; suitable for DIN 15,			288-002	10
32 and 35 rails (also see page 258)				



Rail-Mounted Modules - Resistor Gates

Resistor gate
with 1 end commoned,
8 resistors 2 k 2; 1 W

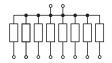
Open resistor gate with 8 resistors 2 k 7; 0.6 W individual connection possible

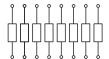




other resistors - contact factory

* Max. admissible power dissipation of a single resistor. With all resistors loaded, the max. admissible power dissipation must be reduced.





Description	Item No.	Pack. Unit	Item No.	Pack Unit
Resistor gate	289-113	1	289-114	1
Technical Data		l		
Operating voltage	40 V AC/DC		40 V AC/DC	
Resistor type	DIN 0414		DIN 0207	
Temperature coefficient	50 ppm		50 ppm	
Tolerance	± 1%		± 1%	
Power dissipation *	1 W		0.6 W	
Ambient operating temperature	-25 °C +40 °C		-25 °C +40 °C	
Dimensions (mm) L x W x H incl. mounting carrier and	47 x 31.5 x 65.5		47 x 31.5 x 65.5	
universal mounting feet				
	Height from upper-edge of DIN 3		Height from upper-edge of DIN 35	
Wire connection	CAGE CLAMP® (WAGO 236 Se		CAGE CLAMP® (WAGO 236 Series)	
Cross sections	0.08 mm ² 2.5 mm ² / AWG 28 12		0.08 mm ² 2.5 mm ² / AWG 28 12	
Stripped lengths	5 6 mm / 0.22 in		5 6 mm / 0.22 in	
Accessories	Item No.	Pack. Unit	Item No.	Pacl Unit
Mounting carrier, for screw-fixing or DIN-rail mounting	288-001	1	288-001	1
(with snap-fit type universal mounting feet to be ordered				
separately)				
Universal mounting foot; snap-fit type; suitable for DIN 15,	288-002	10	288-002	10
32 and 35 rails (also see page 258)				

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Rail-Mounted Modules for Building Custom Circuits

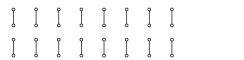


Module with 2 x 8 drilled holes
Diameter of drilled holes 1 mm,
Pin spacing 3.83 mm x 16 mm

Module with 2 x 8 soldering points
Pin spacing 5 mm x 12 mm







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Description	Item No.	Pack. Unit	Item No.	Pacl Unit
Module for building custom circuits	289-102	1	289-131	1
Technical Data		1		
Operating voltage	250 V AC/DC		250 V AC/DC	
Nominal current	3 A		3 A	
Ambient operating temperature	-25 °C +40 °C		-25 °C +40 °C	
Dimensions (mm) L x W x H incl. mounting carrier and	42.5 x 32 x 62.5		42.5 x 32 x 62.5	
universal mounting feet				
	Height from upper-edge of DIN 35		Height from upper-edge of DIN 3	
Wire connection	CAGE CLAMP [®] (WAGO 236 Se		CAGE CLAMP® (WAGO 236 Se	
Cross sections	0.08 mm ² 2.5 mm ² / AWG 28	12	0.08 mm ² 2.5 mm ² / AWG 28	12
Stripped lengths	5 6 mm / 0.22 in		5 6 mm / 0.22 in	
Accessories	Item No.	Pack. Unit	Item No.	Pac Uni
Mounting carrier, for screw-fixing or DIN-rail mounting	288-001	1	288-001	1
(with snap-fit type universal mounting feet to be ordered				
separately)				
Universal mounting foot; snap-fit type; suitable for DIN 15,	288-002	10	288-002	10
32 and 35 rails (also see page 258)				

