Pluggable Modules – Diodes on Through Terminal Blocks 2.5 mm² / AWG 14, Series 280



Diode module: diode 1 N 4007 V_N 250 V; V_{RM} 1000 V; 1 A max.

Module width 10 mm / 0.394 in



3 Terminal block marking in center position

4 Term. block marking on both sides 73 mm / 2.87 in **5** Terminal block marking in center position

6 Term. bl. marking on both sides 42.5 mm / 1.67 in

64 mm / 2.52 in

75 mm / 2.95 in



Description			ltem No.	Pack. unit pcs
+ + +	Diode module, 10 mm / 0.394 in			
	wide, diode 1 N 4007 as		280-803/281-411	50
	free-wheeling diode			
+ + +	Diode module, 10 mm / 0.394 in			
	wide, diode 1 N 4007 as	DC 24 V	280-803/281-420	50
	free-wheeling diode and LED	DC 48 V	280-803/281-421	50

(Marking accessories

Through terminal blocks for pluggable modules and accessories see section 14)					
0.0	Front-entry 2-cond. term. block,	Terminal block width 5 mm / 0.197 in			
	0.08 - 2.5 mm ² /AWG 28 - 12	grey			
	stripped length 8 - 9 mm / 0.33 in	280-601 ①	280-901 2	100	
	End and intermediate plate,	2.5 mm / 0.098 in thick			
	for 2-conductor orange	280-331	280-309	100 (4 x 25)	
	terminal blocks grey	280-330	280-308	100 (4 x 25)	
	Front-entry 3-cond. term. block,	Terminal block width 5 mm / 0.197 in			
TO TO	0.08 - 2.5 mm ² /AWG 28 - 12	grey	280-681 🚱	100	
	stripped length 8 - 9 mm / 0.33 in				
	End and intermediate plate,	2.5 mm / 0.098 in thick			
	for 3-conductor terminal block	orange	280-326	100 (4 x 25)	
	280-681	grey	280-324	100 (4 x 25)	
12 at 15 at 16 at 1	Front-entry 4-cond. term. block,	Terminal block width 5 mm / 0.197 in			
TOTAL STAT	0.08 - 2.5 mm ² /AWG 28 - 12	grey			
	stripped length 8 - 9 mm / 0.33 in	280-621 🕢	280-833 😉	100	
	End and intermediate plate,	2.5 mm / 0.098 in thick			
	for 4-conductor orange	280-317	280-315	100 (4 x 25)	
20 20	terminal blocks grey	280-316	280-314	100 (4 x 25)	
all and the	Side-entry terminal block,	ide-entry terminal block, Terminal block width 5 mm / 0.197 in			
THE STATE OF THE S	0.08 - 2.5 mm ² /AWG 28 - 12	grey	280-101 🜀	100	
	stripped length 8 - 9 mm / 0.33 in				
	End and intermediate plate,	2.5 mm / 0.098 in thick			
	for side-entry terminal block	orange	280-302	100 (4 x 25)	
	280-101	grey	280-301	100 (4 x 25)	
Ī	Adjacent jumper,	I _N 24 A			
	insulated	grey	280-402	200 (8 x 25)	
- 0 0 -	Wire commoning chain,	Commoning distance max. 120 mm / 4.72 in			
\bigcirc	insulated,	black	210-103	1	
	50 connections, 8 A	blue	210-123	1	
● Term. block marking on both sides 50 mm / 1.97 in					
Terminal block marking in center position					
53 mm / 2.09 in					



These diode modules are simply pushed into the contact slots of the current bars of two adjacent through terminal blocks like a push-in jumper.

This offers the following advantages to the user:

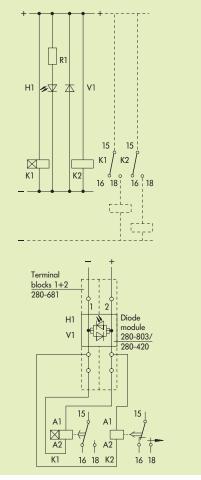
• The modules are suitable for **all** through

- terminal blocks of series 280.
 Existing terminal block assemblies can be refitted with diode modules without any problem.

Further advantages:

- Separation into functional and wiring layer.
- Modules can be replaced quick by other types of modules

Example of circuit configuration



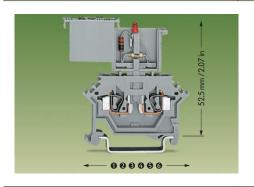
Free-wheeling diode and voltage check



Pluggable Fuse Modules for Replaceable Miniature Fuses 2.5 mm² /AWG 14, Series 280



125 V max.* 5 A* * Electrical ratings are given by the fuse or nominal voltage of the indicator lamp respectively. Technical details see pages 7.38 – 7.39.





open side of terminal	Description			Pack. unit pcs
	Fuse plug, 5 mm/0.197in wide,	250 mA FF	280-850	100
	with soldered miniature fuse	500 mA FF	280-852	100
		1 A FF	280-854	100
		2 A FF	280-856	100
*	Fuse plug, same as above,	250 mA FF	280-850/281-413	100
	with additional indicator lamp,	500 mA FF	280-852/281-413	100
	LED, DC 15 - 30 V	1 A FF	280-854/281-413	100
residual current		2 A FF	280-856/281-413	100
in case of blown fuse LED 5 – 20 mA				
Terminal blocks and accessories		Appropriate marking system	WMB/WSB (see	section 14)
200	2-cond. carrier term. block,	Terminal block width	5 mm / 0.197 in	
The state of	0.08 - 2.5 mm ² /AWG 28 - 14	grey	280-916 🛈	100
	stripped length 8 - 9 mm/0.33 in			
	End and intermediate plate,	2.5 mm/0.098 in thi	ck	
	for 2-conductor carrier terminal	orange	280-309	100 (4 x 25)
A STANCE OF	block 280-916	grey	280-308	100 (4 x 25)
wash and the land	2-cond. carrier term. block,	Terminal block width	5 mm / 0.197 in	
THE WAY	0.08 - 2.5 mm ² /AWG 28 - 14	grey	280-616 2	100
	stripped length 8 - 9 mm/0.33 in			
	End and intermediate plate,	2.5 mm/0.098 in thi	ck	
4	for 2-conductor carrier terminal	orange	280-331	100 (4 x 25)
	block 280-616	grey	280-330	100 (4 x 25)
Cable III de de	3-cond. carrier term. block,	Terminal block width	5 mm / 0.197 in	
	0.08 - 2.5 mm ² /AWG 28 - 14	grey	280-610 🚱	100
	stripped length 8 - 9 mm/0.33 in			
	End and intermediate plate,	2.5 mm/0.098 in thi	ck	
The Park of the Park	for 3-conductor carrier terminal	orange	280-326	100 (4 x 25)
	block 280-610	grey	280-324	100 (4 x 25)
300	4-cond. carrier term. block,	Terminal block width	5 mm / 0.197 in	
	0.08 - 2.5 mm ² /AWG 28 - 14	grey	280-816 😉	100
	stripped length 8 - 9 mm/0.33 in	grey	280-686 🕢	100
	End and intermediate plate,	2.5 mm/0.098 in thi	ck	
The state of the s	for 4-conductor	orange	280-315	100 (4 x 25)
	carrier terminal blocks	grey	280-314	100 (4 x 25)
Calcula III de de Se	4-cond. carrier term. block,	Terminal block width	5 mm / 0.197 in	
THE WAY	0.08 - 2.5 mm ² /AWG 28 - 14	grey	280-606 🜀	100
	stripped length 8 - 9 mm/0.33 in			
	End and intermediate plate,	2.5 mm/0.098 in thi	ck	
	for 4-conductor carrier terminal	orange	280-317	100 (4 x 25)
1 12 2 2	block 280-606	grey	280-316	100 (4 x 25)
	Comb type jumper bar,	2-way	280-482	200
	insulated, see also page 2.44	3-way	280-483	200
[[]]]]]]]]	I _N 24 A	10-way	280-490	50
	Operating tool,	2-way	280-432	1
	insulated	3-way	280-433	1
		10-way	280-440	1
\bigcap	Wire commoning chain,	Max. commoning distance 120 mm/4.724 in		
	insulated, 50 connections, 8 A	black	210-103	1
		blue	210-123	1

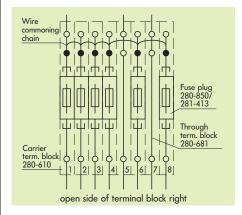


The use of pluggable fuse holders with rail mounted terminal blocks for protection of control circuits offers many advantages to the user since the function and the wiring are accomplished by two separate parts:

- no additional cost for assembly and wiring
- no risk of accidental contact with live parts during disconnection
- quick exchange of fuse plug in case of blown fuse
- the fuse plug can be taken away by the serviceman avoiding unintentional reclosing of the circuit by another person

Further advantages

- extremely high density with only 5 mm/0.197 in width of terminal block/fuse plug
- optional LED indicates blown fuse



Terminal block width

- 1 53 mm / 2.09 in
- 2 50 mm / 1.97 in
- **3** 64 mm / 2.52 in
- **4** Terminal block marking in center position right 75 mm/2.95 in
- ★ Terminal block marking in center position left 75 mm/2.95 in
- **6** Terminal block marking on both sides 73 mm/2.87 in

