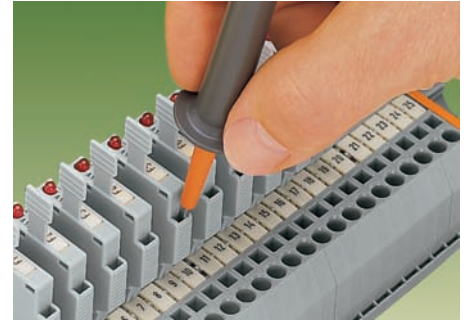
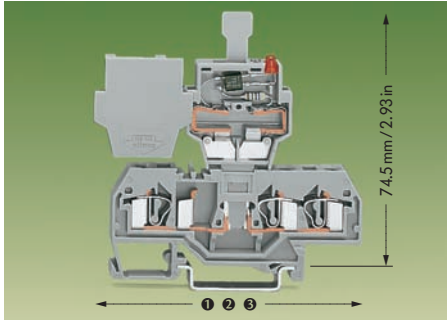


# Pluggable Fuse Modules for Replaceable Miniature Fuses 4 mm<sup>2</sup> /AWG 12, Series 281

<p><b>Pluggable fuse modules on terminal blocks for pluggable modules</b> Item No. 286-890 see W4, Volume 3</p>	<p><b>250 V max.*</b> <b>6.3 max.</b></p>	<p>* Electrical ratings are given by the fuse or nominal voltage of the indicator lamp respectively. Technical details see pages 7.38 – 7.39.</p>
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open side of terminal	Description	Item No.	Pack. unit pcs
	<b>Fuse plug</b> , for miniature metric fuses 5 x 20 mm and 5 x 25 mm	6 mm / 0.236 in wide with pull-tab <b>281-511</b>	50
	<b>Fuse plug</b> , same as above, with hole for one LED (for self-assembly)	6 mm / 0.236 in wide with pull-tab <b>281-512</b>	50
	<b>Fuse plug</b> , same as above, with additional indicator lamp, LED, AC/DC 24 V, can be used in both switching directions	6 mm / 0.236 in wide with pull-tab <b>281-512/281-501</b>	50
	Neon lamp AC/DC 120 V AC/DC 230 V	6 mm / 0.236 in wide with pull-tab <b>281-512/281-418</b> <b>281-512/281-417</b>	50 50
<b>Terminal blocks and accessories</b>		Appropriate marking system	Plug T. bl. <b>WSB</b> 4 mm / 0.157 in wide <b>WMB/WSB</b>
	<b>2-cond. carrier term. block ①</b> , 0.08 – 4 mm <sup>2</sup> /AWG 28 – 12 stripped length 9 – 10 mm / 0.37 in	Terminal block width 6 mm / 0.236 in grey <b>281-916</b>	50
	<b>End and intermediate plate</b> , for 2-conductor carrier terminal block	2.5 mm / 0.098 in thick orange <b>281-329</b> grey <b>281-328</b>	100 (4 x 25) 100 (4 x 25)
	<b>3-cond. carrier term. block ②</b> , 0.08 – 4 mm <sup>2</sup> /AWG 28 – 12 stripped length 9 – 10 mm / 0.37 in	Terminal block width 6 mm / 0.236 in grey <b>281-610</b>	50
	<b>End and intermediate plate</b> , for 3-conductor carrier terminal block	2.5 mm / 0.098 in thick orange <b>281-326</b> grey <b>281-324</b>	100 (4 x 25) 100 (4 x 25)
	<b>4-cond. carrier term. block ③</b> , 0.08 – 4 mm <sup>2</sup> /AWG 28 – 12 stripped length 9 – 10 mm / 0.37 in	Terminal block width 6 mm / 0.236 in grey <b>281-656</b>	50
	<b>End and intermediate plate</b> , for 4-conductor carrier terminal block	2.5 mm / 0.098 in thick orange <b>281-335</b> grey <b>281-334</b>	100 (4 x 25) 100 (4 x 25)
	<b>Comb type jumper bar</b> , insulated, see also page 2.44	2-way <b>281-482</b> 3-way <b>281-483</b> 5-way <b>281-485</b>	100 (4 x 25) 100 (4 x 25) 100 (4 x 25)
	<b>Alternate comb type jumper bar</b> , insulated, I <sub>N</sub> 32 A	2-way <b>281-492</b>	100 (4 x 25)
	<b>Operating tool</b> , insulated	2-way <b>280-432</b> 3-way <b>280-433</b> 5-way <b>281-440</b>	1 1 1
	<b>Wire commoning chain</b> , insulated, 50 connections, 8 A	Max. commoning distance 120 mm / 4.724 in black <b>210-103</b> blue <b>210-123</b>	1 1
	<b>Shorting link</b> , 5 x 20 mm / 0.20 x 0.79 in, 6.3 A, if the fuse plug is used as disconnect plug	<b>281-503</b>	250 (10 x 25)

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 of fuse plug
- in case of exchanging a defective fuse the fuse plug is completely separated from the carrier terminal block
- therefore safe exchange of the fuse away from current carrying parts
- the fuse plug can be taken away by the serviceman avoiding unintentional reclosing of the circuit by another person
- quick exchange of a fuse by using a prepared "stand-by plug."

Further advantages:

- optional LED indicates blown fuse
- marking facility on the fuse plug for clear coordination to the correct carrier terminal block (WSB-Quick Marking System 4 mm / 0.157 in)
- two touchproof test slots
- high density with only 6 mm / 0.236 in width of terminal block/fuse plug
- instead of a fuse, a shorting link may be used as a disconnect plug.

When corresponding Neutral-circuit is adjacent to a fuse plug, a 5 mm / 0.197 in. wide space saving terminal block may be used, as a 6 mm / 0.236 in. fuse plug may overlap the terminal block. See right page for 5 mm / 0.197 in wide carrier terminal blocks (can be used with end plate, for example).

- ① 59 mm / 2.32 in
- ② 73.5 mm / 2.89 in
- ③ 86 mm / 3.39 in

