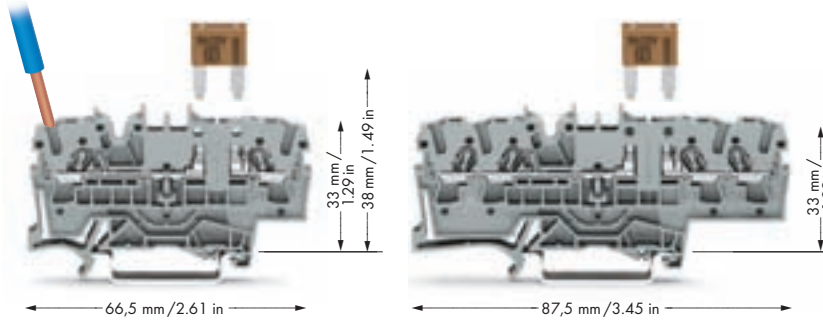


<p>0.25 – 2.5 (4) mm<sup>2</sup> ①   AWG 22 – 12 400 V/6 kV/3 I<sub>N</sub> 10 A ② Terminal block width 5.2 mm / 0.205 in 10 – 12 mm / 0.43 in</p>	<p>0.25 – 2.5 (4) mm<sup>2</sup> ①   AWG 22 – 12 400 V/6 kV/3 I<sub>N</sub> 10 A ② Terminal block width 5.2 mm / 0.205 in 10 – 12 mm / 0.43 in</p>
--	--



① can be connected: 0.25 mm<sup>2</sup> – 4 mm<sup>2</sup> "s+f-st";  
can be pushed in directly: 0.75 mm<sup>2</sup> – 4 mm<sup>2</sup> "s" and  
0.75 mm<sup>2</sup> – 2.5 mm<sup>2</sup> "insulated ferrule,  
12 mm/0.472 in"



Item no.	Pack. unit	Item no.	Pack. unit
<b>2-conductor fuse terminal blocks</b>		<b>4-conductor fuse terminal blocks</b>	
gray	<b>2002-1681</b>	gray	<b>2002-1881</b>
② - Individual arrangement: 10 A - Block arrangement: 5 A Please note touchproof protection from 42 V		② - Individual arrangement: 10 A - Block arrangement: 5 A Please note touchproof protection from 42 V	

Article-specific accessories

<p><b>End and intermediate plate</b>, 1 mm/0.039 in thick orange <b>2002-1692</b> 100 (4 x 25) gray <b>2002-1691</b> 100 (4 x 25)</p>	<p><b>End and intermediate plate</b>, 1 mm/0.039 in thick orange <b>2002-1892</b> 100 (4 x 25) gray <b>2002-1891</b> 100 (4 x 25)</p>
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
Accessories Series 2002


Appropriate marker systems: **WMB/Marker Strips/WMB Inline** (see Full Line Catalog W4, Vol. 1, Sec. 14)

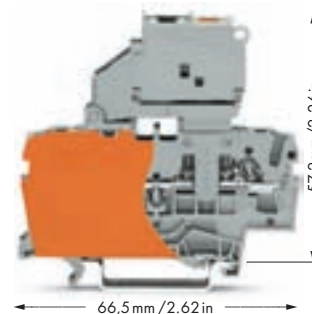
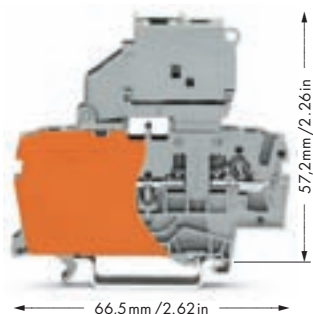
<p><b>Insulation stop</b>, 5 pcs/strip 200 strips light gray <b>2002-171</b> 0.25-0.5 mm<sup>2</sup> dark gray <b>2002-172</b> 0.75-1 mm<sup>2</sup></p>	<p><b>Protective warning marker</b>, with high voltage symbol, black, for 5 terminal blocks yellow <b>2002-115</b> 100 (4 x 25)</p>	<p>The rated currents of the fuse cartridges are defined differently in international standards. Due to the different current rating definitions, the recommended current-carrying permanent capacity of the fuses is max. 80% of their rated current according to DIN 72581 part 3 (for an ambient operating temperature of 23 °C). Selecting the correct fuse cartridge is important for product safety within applications as well as the service life/operational reliability of the fuse cartridges. Fuse cartridges can operate perfectly as protection (break-off point) if they are properly selected and are used in accordance with the manufacturers specifications. In general it is necessary to test fuse cartridges under normal conditions and operational failures within your application.</p> <p>With regard to the product safety, it is in general necessary to test the fuse in the appliance under normal conditions and operational failures.</p>
<p><b>Push-in type jumper bars</b>, light gray, insulated, I<sub>N</sub> 25 A 2-way <b>2002-402</b> 200 (8 x 25) 3-way <b>2002-403</b> 200 (8 x 25) 4-way <b>2002-404</b> 200 (8 x 25) 5-way <b>2002-405</b> 100 (4 x 25) : : 10-way <b>2002-410</b> 100 (4 x 25)</p>	<p><b>Staggered jumpers</b>, light gray, insulated, I<sub>N</sub> 25 A 2-way <b>2002-472</b> 100 (4 x 25) 3-way <b>2002-473</b> 100 (4 x 25) 4-way <b>2002-474</b> 100 (4 x 25) 5-way <b>2002-475</b> 50 (2 x 25) : : 12-way <b>2002-482</b> 50 (2 x 25)</p>	
<p><b>Push-in type jumper bars</b>, light gray, insulated, I<sub>N</sub> 25 A 1 - 3 <b>2002-433</b> 200 (8 x 25) 1 - 4 <b>2002-434</b> 200 (8 x 25) 1 - 5 <b>2002-435</b> 100 (4 x 25) : : 1 - 10 <b>2002-440</b> 100 (4 x 25)</p>	<p><b>Test plug adapter</b>, for test plug Ø 4 mm/0.157 in <b>2009-174</b> 100 (4 x 25)</p>	
<p><b>Modular TOPJOB®S connector</b>, for jumper contact slot 1 pole <b>2002-511</b> 100 (4 x 25)</p>	<p><b>Two-way marking adapter</b>, pivotable <b>2002-121</b> 50 (2 x 25)</p>	
<p><b>Spacer</b>, modular <b>2002-549</b> 100 (4 x 25)</p>		
<p><b>Blade-type fuses acc. to DIN 72581-3f / ISO 8820-3 (not offered by WAGO)</b></p>	<p><b>Test plug</b>, with cable 500mm/1'7.7", Ø 2 mm/0.079 in red <b>210-136</b> 50 (5 x 10)</p>	

# Fuse Disconnect Terminal Blocks with Pivotal Fuse Holder, 2.5 (4) mm<sup>2</sup>/AWG 12, for Miniature Metric Fuses 5 x 20 mm, Series 2002

VOLUME 1

0.25 – 2.5 (4) mm<sup>2</sup> | AWG 22 – 12  
 250 V/6 kV/3 ①  
 6.3 A ②  
 Terminal block width 6.2 mm / 0.244 in  
 10 – 12 mm / 0.43 in

0.25 – 2.5 (4) mm<sup>2</sup> | AWG 22 – 12  
 250 V/6 kV/3 ①  
 6.3 A ②  
 Terminal block width 6.2 mm / 0.244 in  
 10 – 12 mm / 0.43 in



- ① 800 V = rated voltage  
 8 kV = rated surge voltage  
 3 = pollution degree  
 (see also Full Line Catalog W4, Volume 1, Section 15)
- ② Nominal voltage and current are given by the LED or fuse
- ③ Leakage current in case of blown fuse: LED 6 mA

Description	Item no.	Pack. unit	Item no.	Pack. unit
<b>Fuse disconnect terminal block with pivotal fuse holder, for DIN 35 rail,</b>	<b>2-conductor fuse terminal block with end plate, without blown fuse indication</b>		<b>2-conductor fuse terminal blocks with end plate, with blown fuse indication by LED</b>	
for miniature metric fuses	5 x 20 mm	gray 2002-1611 50	gray 12 – 30 V ≈ ③ 2002-1611/1000-541 50	
	5 x 20 mm		gray 30 – 65 V ≈ ③ 2002-1611/1000-542 50	
	5 x 20 mm		gray 110 – 250 V ≈ ③ 2002-1611/1000-836 50	



**Article-specific accessories**

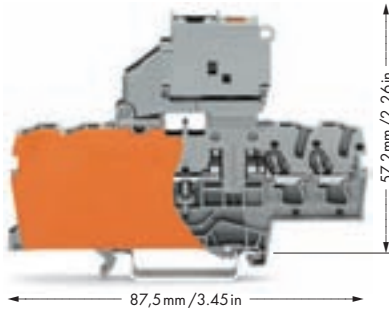
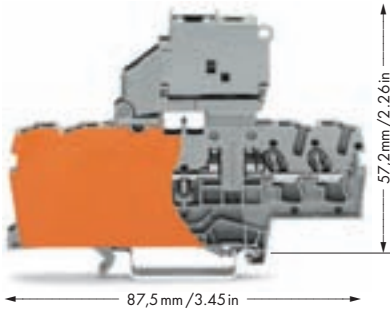
	<b>End plate for fuse terminal blocks, 2 mm/0.079 in thick</b>	<b>End plate for fuse terminal blocks, 2 mm/0.079 in thick</b>
	gray 2002-991 100 (4x25)	gray 2002-991 100 (4x25)
	orange 2002-992 100 (4x25)	orange 2002-992 100 (4x25)













**Accessories**

Appropriate marker systems: **WMB/Marker Strips/WMB Inline** (see Full Line Catalog W4, Volume 1, Section 14)

	<b>Insulation stop, 5 pcs/strip</b> 200 strips	<b>Insulation stop, 5 pcs/strip</b> 200 strips
	light gray 2002-171 0.25-0.5 mm <sup>2</sup>	light gray 2002-171 0.25-0.5 mm <sup>2</sup>
	dark gray 2002-172 0.75-1 mm <sup>2</sup>	dark gray 2002-172 0.75-1 mm <sup>2</sup>
	must be singularized	must be singularized
	<b>Protective warning marker, with high voltage symbol, black, for 5 terminal blocks</b>	<b>Protective warning marker, with high voltage symbol, black, for 5 terminal blocks</b>
	yellow 2002-115 100 (4 x 25)	yellow 2002-115 100 (4 x 25)
	must be singularized	must be singularized
	<b>Push-in type jumper bars, light gray, insulated, I<sub>N</sub> 25 A</b>	<b>Push-in type jumper bars, light gray, insulated, I<sub>N</sub> 25 A</b>
	2-way 2004-402 200 (8 x 25)	2-way 2004-402 200 (8 x 25)
	3-way 2004-403 200 (8 x 25)	3-way 2004-403 200 (8 x 25)
	4-way 2004-404 200 (8 x 25)	4-way 2004-404 200 (8 x 25)
	5-way 2004-405 100 (4 x 25)	5-way 2004-405 100 (4 x 25)
	: :	: :
	10-way 2004-410 100 (4 x 25)	10-way 2004-410 100 (4 x 25)
	<b>Push-in type jumper bars, light gray, insulated, I<sub>N</sub> 25 A</b>	<b>Push-in type jumper bars, light gray, insulated, I<sub>N</sub> 25 A</b>
	1 - 3 2004-433 200 (8 x 25)	1 - 3 2004-433 200 (8 x 25)
	1 - 4 2004-434 200 (8 x 25)	1 - 4 2004-434 200 (8 x 25)
	1 - 5 2004-435 100 (4 x 25)	1 - 5 2004-435 100 (4 x 25)
	: :	: :
	1 - 10 2004-440 100 (4 x 25)	1 - 10 2004-440 100 (4 x 25)
	<b>Test plug, with cable 500 mm/1'7.7", ∅ 2 mm/0.079 in ∅</b>	<b>Test plug, with cable 500 mm/1'7.7", ∅ 2 mm/0.079 in ∅</b>
	red 210-136 50 (5 x 10)	red 210-136 50 (5 x 10)

0.25 – 2.5 (4) mm <sup>2</sup> 250 V/6 kV/3 ① 6.3 A ② Terminal block width 6.2 mm / 0.244 in  10 – 12 mm / 0.43 in	AWG 22 – 12	0.25 – 2.5 (4) mm <sup>2</sup> 250 V/6 kV/3 ① 6.3 A ② Terminal block width 6.2 mm / 0.244 in  10 – 12 mm / 0.43 in	AWG 22 – 12	Application notes



Item no.	Pack. unit	Item no.	Pack. unit
<b>4-conductor fuse terminal block with end plate, without blown fuse indication</b>		<b>4-conductor fuse terminal blocks with end plate, with blown fuse indication by LED</b>	
gray	<b>2002-1811</b> 50	gray 12 – 30 V ≈ ③	<b>2002-1811/1000-541</b> 50
		gray 30 – 65 V ≈ ③	<b>2002-1811/1000-542</b> 50
		gray 110 – 250 V =	<b>2002-1811/1000-836</b> 50
<b>End plate for fuse terminal blocks, 2 mm/0.079 in thick</b>  gray <b>2002-991</b> 100 (4x25) orange <b>2002-992</b> 100 (4x25)		<b>End plate for fuse terminal blocks, 2 mm/0.079 in thick</b>  gray <b>2002-991</b> 100 (4x25) orange <b>2002-992</b> 100 (4x25)	
Appropriate marker systems: <b>WMB/Marker Strips/WMB Inline</b> (see Full Line Catalog W4, Volume 1, Section 14)			
<b>Insulation stop, 5 pcs/strip</b> 200 strips  light gray <b>2002-171</b> 0.25-0.5 mm <sup>2</sup> dark gray <b>2002-172</b> 0.75-1 mm <sup>2</sup> must be singularized		<b>Insulation stop, 5 pcs/strip</b> 200 strips  light gray <b>2002-171</b> 0.25-0.5 mm <sup>2</sup> dark gray <b>2002-172</b> 0.75-1 mm <sup>2</sup> must be singularized	
<b>Protective warning marker, with high voltage symbol, black, for 5 terminal blocks</b>  yellow <b>2002-115</b> 100 (4 x 25) must be singularized		<b>Protective warning marker, with high voltage symbol, black, for 5 terminal blocks</b>  yellow <b>2002-115</b> 100 (4 x 25) must be singularized	
<b>Push-in type jumper bars, light gray, insulated, I<sub>N</sub> 25 A</b>  2-way <b>2004-402</b> 200 (8 x 25) 3-way <b>2004-403</b> 200 (8 x 25) 4-way <b>2004-404</b> 200 (8 x 25) 5-way <b>2004-405</b> 100 (4 x 25) : : 10-way <b>2004-410</b> 100 (4 x 25)		<b>Push-in type jumper bars, light gray, insulated, I<sub>N</sub> 25 A</b>  2-way <b>2004-402</b> 200 (8 x 25) 3-way <b>2004-403</b> 200 (8 x 25) 4-way <b>2004-404</b> 200 (8 x 25) 5-way <b>2004-405</b> 100 (4 x 25) : : 10-way <b>2004-410</b> 100 (4 x 25)	
<b>Push-in type jumper bars, light gray, insulated, I<sub>N</sub> 25 A</b>  1 - 3 <b>2004-433</b> 200 (8 x 25) 1 - 4 <b>2004-434</b> 200 (8 x 25) 1 - 5 <b>2004-435</b> 100 (4 x 25) : : 1 - 10 <b>2004-440</b> 100 (4 x 25)		<b>Push-in type jumper bars, light gray, insulated, I<sub>N</sub> 25 A</b>  1 - 3 <b>2004-433</b> 200 (8 x 25) 1 - 4 <b>2004-434</b> 200 (8 x 25) 1 - 5 <b>2004-435</b> 100 (4 x 25) : : 1 - 10 <b>2004-440</b> 100 (4 x 25)	
<b>Test plug, with cable 500 mm/1'7.7", Ø 2 mm/0.079 in Ø</b>  red <b>210-136</b> 50 (5 x 10)		<b>Test plug, with cable 500 mm/1'7.7", Ø 2 mm/0.079 in Ø</b>  red <b>210-136</b> 50 (5 x 10)	



Fuse terminal blocks with a width of 6.2 mm/0.244 in can be assembled adjacent to each other. At the end of an assembly, if there is **no** adjacent fuse or disconnect terminal block, an end plate for fuse terminal blocks must be used.

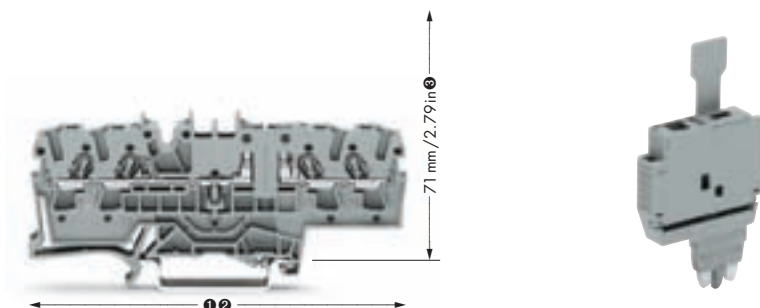
When selecting miniature metric fuses, the maximum power loss listed below should not be exceeded. The power loss is determined according to IEC or EN 60947-7-3/VDE 0611-6 at 23 °C. The temperature rise of the terminal blocks must be checked according to their application and mounting. Higher ambient temperatures represent an additional impact on miniature metric fuses. Therefore, in such applications the rated current must be reduced if necessary. More details from the manufacturer.

**Miniature metric fuses 5 x 20**

Series Item No.	Overload and short circuit protection		Short circuit protection only	
	Individual arrangement	Group arrangement	Individual arrangement	Group arrangement
Fuse terminal blocks				
2002-1611	1.6 W	1.6 W	2.5 W	2.5 W
2002-1811				
2002-1811/.....	1.6 W	1.6 W	2.5 W	2.5 W
2002-1611/.....				

Protective warning marker and insulation stop must be singularized. Due to the 6.2 mm/0.244 in width of the fuse terminal blocks with pivotable fuse holder, 2004 Series jumpers must be used.

	250 V max.* 6.3 max.	* Electrical ratings are given by the fuse or nominal voltage of the indicator lamp respectively.
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Open side of terminal block	Description	Item no.	Pack. unit
	<b>Fuse plug,</b> for miniature metric fuses 5 x 20 mm	6.1 mm/0.24 in width with pull-tab <b>2004-0911</b>	50
	<b>Fuse plug, same as above,</b> with additional indicator lamp, LED, AC/DC 12 – 30 V, LED, AC/DC 30 – 65 V, can be used in both switching directions	6.1 mm/0.24 in width with pull-tab <b>2004-0911/1000-0541</b> <b>2004-0911/1000-0542</b>	50 50
	AC/DC 120 V – 230 V	6.1 mm/0.24 in width with pull-tab <b>2004-0911/1000-0836</b>	50

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:

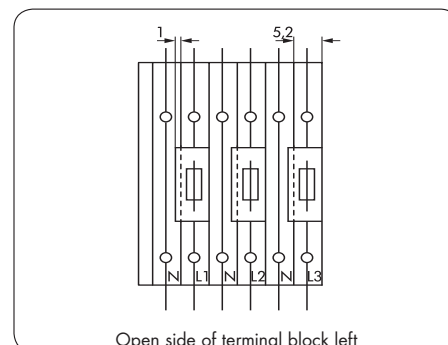
- optional LED indicates blown fuse
- marking facility on the fuse plug for clear coordination to the correct carrier terminal block (WSB-Quick Marking System 4 mm/0.157 in)
- two touchproof test slots
- high density with only 6,1 mm/0.24 in width of terminal block/fuse plug
- instead of a fuse, a shorting link may be used as a disconnect plug.

When corresponding Neutral-circuit is adjacent to a fuse plug, a 5.2 mm/0.205 in wide space saving terminal block may be used, as a 6.1 mm/0.24 in fuse plug may overlap the terminal block.

See diagram below.

**Miniature metric fuses 5 x 20**

Series Item No.	Overload and short circuit protection		Short circuit protection only	
	Individual arrangement	Group arrangement	Individual arrangement	Group arrangement
Fuse terminal blocks				
2004-0911				
2004-0911/.....	1.6 W	1.6 W	2.5 W	2.5 W



**Terminal blocks and accessories** Appropriate marker systems: Terminal block **WMB/Marker Strips**

	<b>2-conductor carrier terminal block ①</b> , 0.25–2.5 (4) mm <sup>2</sup> /AWG 22–12 Stripped length 9–10 mm/0.37 in	Terminal block width 5.2 mm/0.205 in gray <b>2002-1661</b>	50
	<b>End and intermediate plate,</b> for 2-cond. carrier term. block Item No. 2002-1661	1 mm/0.039 thick orange <b>2002-1692</b> gray <b>2002-1691</b>	100 (4 x 25) 100 (4 x 25)
	<b>4-conductor carrier terminal block ②</b> , 0.25–2.5 (4) mm <sup>2</sup> /AWG 22–12 Stripped length 10–12 mm/0.43 in	Terminal block width 6 mm/0.236 in gray <b>2002-1861</b>	50
	<b>End and intermediate plate,</b> for 4-cond. carrier term. block Item No. 2002-1861	1 mm/0.039 thick orange <b>2002-1892</b> gray <b>2002-1891</b>	100 (4 x 25) 100 (4 x 25)
	<b>Shorting link, 5 x 20 mm,</b> 6.3 A, if the fuse plug is used as disconnect plug	<b>281-503</b>	250 (10 x 25)
	<b>End plate for fuse plug</b>	2 mm/0.079 thick orange <b>2002-0991</b> gray <b>2002-0992</b>	100 (4 x 25) 100 (4 x 25)

① 66.5 mm/2.62 in (2-conductor)  
② 87.5 mm/3.45 in (4-conductor)  
③ with inserted fuse plug

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