## TOPJOB® 5

## **Fuse Terminal Blocks for Blade-Type Fuses** acc. to DIN 72581-3f, ISO 8820-3, Series 2002

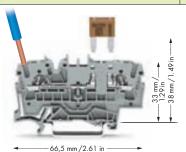
0.25 — 2.5 (4) mm<sup>2</sup> AWG 22 – 12 400 V/6 kV/3 AWG 22 – 12

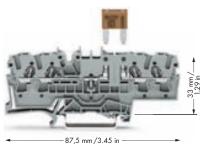
Terminal block width 5.2 mm / 0.205 in

10 - 12 mm / 0.43 in

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





① can be connected: 0.25 mm² - 4 mm² "s+fst"; can be pushed in directly: 0.75 mm² - 4 mm² "s" and 0,75 mm² - 2,5 mm² "insulated ferrule, 12 mm/0.472 in"

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	Item no. Pack. unit		Item no. Pack. unit	
2-conductor fuse	terminal blocks	4-conductor fuse to	erminal blocks	
	2002 1/01		2002 1001	
gray	2002-1681	gray	2002-1881	
<b>2</b> - Individual arro		2 - Individual arran		
- Block arranger	S .	- Block arrangeme	•	
0	chproof protection from 42 V		proof protection from 42 V	
Article-specifi	c accessories			
<u> </u>		e 1 1:	. I. 1 (0.000: del	
ind and interme	diate plate, 1 mm/0.039 in thick orange 2002-1692 100 (4 x 25)	ena and intermed	<b>ate plate,</b> 1 mm/0.039 in thick orange <b>2002-1892</b> 100 (4 x 25	
	gray 2002-1691 100 (4 x 25)		gray 2002-1891 100 (4 x 25	
		-		
Accessories S	Series 2002 Appropriate ma	rker systems: WMB/	Marker Strips/WMB Inline	(see Full Line Catalog W4, Vol. 1, Sec. 14)
nsulation stop, 5			marker, with high voltage symbol, black,	·
nsulation stop, .	light gray <b>2002-171</b> 0.25-0.5 mm <sup>2</sup>	Protective warning i	for 5 terminal blocks	The rated currents of the fuse cartridges are
0000	dark gray <b>2002-172</b> 0.75-1 mm <sup>2</sup>	110000	yellow <b>2002-115</b> 100 (4 x 25	defined differently in international standards.  Due to the different current rating definitions,
0000		•		the recommended current-carrying permanent
Push-in type jum	per bars, light gray, insulated, I <sub>N</sub> 25 A	Staggered jumper	s, light gray, insulated, I <sub>N</sub> 25 A	capacity of the fuses is max 80% of their rated
-	2-way <b>2002-402</b> 200 (8 x 25) 3-way <b>2002-403</b> 200 (8 x 25)		2-way <b>2002-472</b> 100 (4 x 25 3-way <b>2002-473</b> 100 (4 x 25	current according to DIN 72381 part 3 (for an
111	4-way <b>2002-404</b> 200 (8 x 25)	<b>東京日本の日本できた</b>	4-way <b>2002-474</b> 100 (4 x 25	ambient operating temperature of 23 C).
LILI	5-way <b>2002-405</b> 100 (4 x 25)	AMARITAN	5-way <b>2002-475</b> 50 (2 x 25)	Selecting the correct fuse cartrigde is important for product safety within applications as well as
	: :		: :	the service life/operational reliability of the fuse
	10-way <b>2002-410</b> 100 (4 x 25)		12-way <b>2002-482</b> 50 (2 x 25)	cartrigdes. Fuse cartrigdes can operate perfectly
Duck in turns items	per bars, light gray, insulated, I <sub>N</sub> 25 A	Tost plus adaptor	for test plug Ø 4 mm/0.157 in	as protection (break-off point) if they are properly
osn-in type juin	per bars, light gray, insulated, I <sub>N</sub> 23 A	resi piug adapter,	2009-174 100 (4 x 25	selected and are used in accordance with
-	1 - 3 <b>2002-433</b> 200 (8 x 25)	1.0	2007 11 1 100 (1 × 20	the manufacturers specifications. In general it is necessary to test fuse cartridges
8 9	1 - 4 <b>2002-434</b> 200 (8 x 25)	ነ ማ		under normal conditions and operational failures
Tr	1 - 5 <b>2002-435</b> 100 (4 x 25)	, ,		within your application.
	: : 1 - 10 <b>2002-440</b> 100 (4 × 25)	Tastina tana farana	x. 2.5 mm²/AWG 14	
	1 - 10 <b>2002-440</b> 100 (4 x 23)	resing tap, for ma.	2009-182 100 (4 x 25	
Modular TOPJO	B®S connector,	Two-way marking		
200	for jumper contact slot	فينف	pivotable	
lala	1 pole <b>2002-511</b> 100 (4 x 25)	1	<b>2002-121</b> 50 (2 x 25)	
Spacer, modular	<b>2002-549</b> 100 (4 × 25)			
pacer, mountai	2302-347 100 (4 X 23)			
Blade-type fuses	acc. to DIN 72581-3f /	Test plug, with cabl	e 500mm/1'7.7", Ø 2 mm/0.079 i	With regard to the product safety, it is in
SO 8820-3 (not	offered by WAGO)		red <b>210-136</b> 50 (5 x 10	general necessary to test the fuse in the
				appliance under normal conditions and
				operational failures.

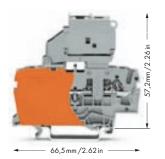
## TOPJOB® 5

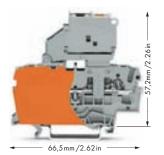
# Fuse Disconnect Terminal Blocks with Pivotable Fuse Holder, 2.5 (4) mm<sup>2</sup>/AWG 12, for Miniature Metric Fuses 5 x 20 mm, Series 2002

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
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)
- Nominal voltage and current are given by the LED or fuse
- S Leakage current in case of blown fuse: LED 6 mA





Description		Item no.	Pack. unit		Item no.	Pack. un
use disconnect terminal block	2-conductor fuse	e terminal block witl	h end plate,	2-conductor fuse	e terminal blocks with e	end plate,
with pivotable fuse holder,	without blown f	use indication	•	with blown fuse	indication by LED	•
or DIN 35 rail,					· ·	
or miniature metric fuses 5 x 20 mr	n gray	2002-1611	50	gray 12 - 30 V ≃	<b>3</b> 2002-1611/1000-541	50
5 x 20 mr	n			gray 30 - 65 V ≃	<b>3</b> 2002-1611/1000-542	50
5 x 20 mr	n			gray 110 – 250 V ≃	2002-1611/1000-836	50
Article-specific accessories						
-tricle-specific accessories	End plate for fuse	e terminal blocks, 2 r	mm/0 079 in thick	End plate for fus	e terminal blocks, 2 mm/	10 079 in thi
			<b>91</b> 100 (4×25)		gray 2002-991	100 (4x2
	-	0 ,	92 100 (4×25)	and the same	orange 2002-992	100 (4x)
	1	3		Section 1	3	
Accessories Appropriate marker sy	stems: WMB/Mark			ne Catalog W4, Volu	ime 1, Section 14)	
	Insulation stop,					
	mooramen step,		200 strips	Insulation stop,		
		light gray 2002-	<b>171</b> 0.25-0.5 mm <sup>2</sup>	Insulation stop,	light gray 2002-171	0.25-0.5 r
	0000	light gray 2002- dark gray 2002-	171 0.25-0.5 mm <sup>2</sup> 172 0.75-1 mm <sup>2</sup>	Insulation stop,	light gray 2002-171 dark gray 2002-172	0.25-0.5 r 0.75-1 r
	00000	light gray 2002- dark gray 2002- must be singulari	171 0.25-0.5 mm <sup>2</sup> 172 0.75-1 mm <sup>2</sup> zed	00000	light gray 2002-171 dark gray 2002-172 must be singularized	0.25-0.5 n 0.75-1 n
	00000	light gray 2002- dark gray 2002- must be singulari g marker, with high volt	171 0.25-0.5 mm <sup>2</sup> 172 0.75-1 mm <sup>2</sup> zed tage symbol, black,	00000	light gray 2002-171 dark gray 2002-172 must be singularized ig marker, with high voltage	0.25-0.5 n 0.75-1 n
	Protective warning	light gray 2002- dark gray 2002- must be singulari. g marker, with high voll for 5 terminal blo	171 0.25-0.5 mm <sup>2</sup> 172 0.75-1 mm <sup>2</sup> zed tage symbol, black, ocks	Protective warning	light gray 2002-171 dark gray 2002-172 must be singularized ig marker, with high voltage for 5 terminal blocks	0.25-0.5 n 0.75-1 n symbol, bla
	00000	light gray 2002- dark gray 2002- must be singulari. g marker, with high vol for 5 terminal blo yellow 2002-	171 0.25-0.5 mm² 172 0.75-1 mm² zed tage symbol, black, ocks 115 100 (4 × 25)	00000	light gray 2002-171 dark gray 2002-172 must be singularized g marker, with high voltage for 5 terminal blocks yellow 2002-115	symbol, bla
	Protective warning	light gray 2002- dark gray 2002- must be singulari. g marker, with high vol for 5 terminal blo yellow 2002- must be singulari.	171 0.25-0.5 mm² 172 0.75-1 mm² zed tage symbol, black, ocks 115 100 (4 x 25) zed	Protective warning	light gray 2002-171 dark gray 2002-172 must be singularized g marker, with high voltage for 5 terminal blocks yellow 2002-115 must be singularized	0.25-0.5 n 0.75-1 n symbol, bla
	Protective warning	light gray 2002- dark gray 2002- must be singulari. g marker, with high vol for 5 terminal blo yellow 2002- must be singulari. pper bars, light gray,	171 0.25-0.5 mm² 172 0.75-1 mm² zed tage symbol, black, bcks 115 100 (4 × 25) zed insulated, I <sub>N</sub> 25 A	Protective warning	light gray 2002-171 dark gray 2002-172 must be singularized g marker, with high voltage for 5 terminal blocks yellow 2002-115 must be singularized nper bars, light gray, insu	0.25-0.5 n 0.75-1 n symbol, bla 100 (4 x 2)
	Protective warning	light gray 2002- dark gray 2002- must be singulari. g marker, with high vol for 5 terminal bla yellow 2002- must be singulari. per bars, light gray, 2-way 2004-4	171 0.25-0.5 mm² 172 0.75-1 mm² zed tage symbol, black, bcks 115 100 (4 × 25) zed insulated, I <sub>N</sub> 25 A 402 200 (8 × 25)	Protective warning	light gray 2002-171 dark gray 2002-172 must be singularized g marker, with high voltage for 5 terminal blocks yellow 2002-115 must be singularized nper bars, light gray, insu 2-way 2004-402	0.25-0.5 n 0.75-1 n symbol, bla 100 (4 x 3 slated, I <sub>N</sub> 25 2 200 (8 x 3
	Protective warning	light gray 2002- dark gray 2002- must be singulari. g marker, with high volt for 5 terminal blo yellow 2002- must be singulari. oper bars, light gray, 2-way 2004- 3-way 2004-	171 0.25-0.5 mm² 172 0.75-1 mm² 2ed tage symbol, black, bcks 1115 100 (4 × 25) 2ed insulated, I <sub>N</sub> 25 A 402 200 (8 × 25) 403 200 (8 × 25)	Protective warning	light gray 2002-171 dark gray 2002-172 must be singularized ig marker, with high voltage for 5 terminal blocks yellow 2002-115 must be singularized nper bars, light gray, inst. 2-way 2004-402 3-way 2004-403	0.25-0.5 n 0.75-1 n symbol, bla 100 (4 x 2 plated, I <sub>N</sub> 25 200 (8 x 2 200 (8 x 2
	Protective warning	light gray 2002- dark gray 2002- must be singulari. g marker, with high volt for 5 terminal blo yellow 2002- must be singulari. nper bars, light gray 2-way 2004- 3-way 2004- 4-way 2004-	171 0.25-0.5 mm² 172 0.75-1 mm² zed tage symbol, black, bcks 115 100 (4 × 25) zed insulated, I <sub>N</sub> 25 A 402 200 (8 × 25) 404 200 (8 × 25)	Protective warning	light gray 2002-171 dark gray 2002-172 must be singularized ig marker, with high voltage for 5 terminal blocks yellow 2002-115 must be singularized inper bars, light gray, insu 2-way 2004-402 3-way 2004-403 4-way 2004-404	0.25-0.5 n 0.75-1 n symbol, bla 100 (4 x 2 1100 (8 x 2 200 (8 x 2 200 (8 x 2 200 (8 x 2
	Protective warning	light gray 2002- dark gray 2002- must be singulari. g marker, with high volt for 5 terminal blo yellow 2002- must be singulari. nper bars, light gray 2-way 2004- 3-way 2004- 4-way 2004-	171 0.25-0.5 mm² 172 0.75-1 mm² 2ed tage symbol, black, bcks 1115 100 (4 × 25) 2ed insulated, I <sub>N</sub> 25 A 402 200 (8 × 25) 403 200 (8 × 25)	Protective warning	light gray 2002-171 dark gray 2002-172 must be singularized ig marker, with high voltage for 5 terminal blocks yellow 2002-115 must be singularized inper bars, light gray, insu 2-way 2004-402 3-way 2004-403 4-way 2004-404	0.25-0.5 n 0.75-1 n symbol, bla 100 (4 x 2 1100 (8 x 2 200 (8 x 2 200 (8 x 2 200 (8 x 2
	Protective warning	light gray 2002- dark gray 2002- must be singulari. g marker, with high vol for 5 terminal ble yellow 2002- must be singulari. per bars, light gray, 2-way 2004- 3-way 2004- 4-way 2004- 5-way 2004- 5-way 2004- : :	171 0.25-0.5 mm² 172 0.75-1 mm² zed tage symbol, black, bcks 115 100 (4 × 25) zed insulated, I <sub>N</sub> 25 A 402 200 (8 × 25) 404 200 (8 × 25)	Protective warning	light gray 2002-171 dark gray 2002-172 must be singularized g marker, with high voltage for 5 terminal blocks yellow 2002-115 must be singularized nper bars, light gray, insu 2-way 2004-402 3-way 2004-403 4-way 2004-404 5-way 2004-405	0.25-0.5 r 0.75-1 r symbol, bla 100 (4 x 100 (8 x 200 (8 x 200 (8 x 100 (4 x
	Protective warning	light gray 2002- dark gray 2002- must be singulari. g marker, with high vol for 5 terminal ble yellow 2002- must be singulari. per bars, light gray, 2-way 2004- 3-way 2004- 4-way 2004- 5-way 2004- 5-way 2004- : :	171 0.25-0.5 mm² 172 0.75-1 mm² zed tage symbol, black, bcks 115 100 (4 × 25) zed insulated, I <sub>N</sub> 25 A 402 200 (8 × 25) 403 200 (8 × 25) 404 200 (8 × 25) 405 100 (4 × 25)	Protective warnin	light gray 2002-171 dark gray 2002-172 must be singularized gg marker, with high voltage for 5 terminal blocks yellow 2002-115 must be singularized nper bars, light gray, insu 2-way 2004-402 3-way 2004-403 4-way 2004-405 : : : 10-way 2004-410	0.25-0.5 n 0.75-1 n 100 (4 x sillated, I <sub>N</sub> 25 sillated, I <sub>N</sub> 25 sillated, I <sub>N</sub> 25 sillated, I <sub>N</sub> 26
	Protective warning  Push-in type jum	light gray 2002- dark gray 2002- must be singulari. g marker, with high vol for 5 terminal blo yellow 2002- must be singulari. puer bars, light gray, 2-way 2004- 3-way 2004- 4-way 2004- 5-way 2004- 5-way 2004- 10-way 2004- inper bars, light gray,	171 0.25-0.5 mm² 172 0.75-1 mm² zed tage symbol, black, bcks 115 100 (4 × 25) zed insulated, I <sub>N</sub> 25 A 402 200 (8 × 25) 404 200 (8 × 25) 405 100 (4 × 25) 410 100 (4 × 25) insulated, I <sub>N</sub> 25 A	Protective warnin	light gray 2002-171 dark gray 2002-172 must be singularized gg marker, with high voltage for 5 terminal blocks yellow 2002-115 must be singularized nper bars, light gray, insu 2-way 2004-402 3-way 2004-403 4-way 2004-405 : : : : : : : : : : : : : : : : : : :	0.25-0.5 n 0.75-1 n 100 (4 x sillated, I <sub>N</sub> 2.5 s
	Protective warning  Push-in type jum	light gray 2002- dark gray 2002- must be singulari. g marker, with high vol for 5 terminal blo yellow 2002- must be singulari. per bars, light gray, 2-way 2004-4 3-way 2004-4 5-way 2004-4 5-way 2004-4 10-way 2004-4 inper bars, light gray, 1-3 2004-4	171 0.25-0.5 mm² 172 0.75-1 mm² zed tage symbol, black, bcks 115 100 (4 × 25) zed insulated, I <sub>N</sub> 25 A 402 200 (8 × 25) 403 200 (8 × 25) 404 200 (8 × 25) 410 100 (4 × 25) insulated, I <sub>N</sub> 25 A	Protective warnin	light gray 2002-171 dark gray 2002-172 must be singularized gg marker, with high voltage for 5 terminal blocks yellow 2002-115 must be singularized mper bars, light gray, inst. 2-way 2004-403 3-way 2004-404 5-way 2004-405 : : 10-way 2004-410 mper bars, light gray, inst. 1 - 3 2004-433	0.25-0.5 n 0.75-1 n 0.75-1 n 100 (4 x 2) 100 (8 x 2) 100 (8 x 2) 100 (4 x 3) 100 (8 x 3)
	Protective warning  Push-in type jum	light gray 2002- dark gray 2002- must be singulari. g marker, with high volt for 5 terminal blo yellow 2002- must be singulari. per bars, light gray, 2-way 2004- 3-way 2004- 4-way 2004- 5-way 2004- 10-way 2004- per bars, light gray, 1-3 2004- 1-4 2004-	171 0.25-0.5 mm² 172 0.75-1 mm² 2 ed tage symbol, black, bcks 115 100 (4 × 25) 2 ed insulated, I <sub>N</sub> 25 A 402 200 (8 × 25) 403 200 (8 × 25) 404 200 (8 × 25) 405 100 (4 × 25) insulated, I <sub>N</sub> 25 A 433 200 (8 × 25) 434 200 (8 × 25)	Protective warnin	light gray 2002-171 dark gray 2002-172 must be singularized g marker, with high voltage for 5 terminal blocks yellow 2002-115 must be singularized nper bars, light gray, inst 2-way 2004-402 3-way 2004-403 4-way 2004-404 5-way 2004-410 nper bars, light gray, inst 1 - 3 2004-433 1 - 4 2004-434	0.25-0.5 n 0.75-1 n 0
	Protective warning  Push-in type jum	light gray 2002- dark gray 2002- must be singulari. g marker, with high volt for 5 terminal blo yellow 2002- must be singulari. per bars, light gray, 2-way 2004- 3-way 2004- 4-way 2004- 5-way 2004- 10-way 2004- per bars, light gray, 1-3 2004- 1-4 2004-	171 0.25-0.5 mm² 172 0.75-1 mm² zed tage symbol, black, bcks 115 100 (4 × 25) zed insulated, I <sub>N</sub> 25 A 402 200 (8 × 25) 403 200 (8 × 25) 404 200 (8 × 25) 410 100 (4 × 25) insulated, I <sub>N</sub> 25 A	Protective warnin	light gray 2002-171 dark gray 2002-172 must be singularized ig marker, with high voltage for 5 terminal blocks yellow 2002-115 must be singularized inper bars, light gray, insu 2-way 2004-403 3-way 2004-404 5-way 2004-405 : : : : : : : : : : : : : : : : : : :	0.250.5 r 0.75-1 r symbol, blow 100 (4 x 100 (8 x 200 (8 x 200 (8 x 100 (4 x 100 (4 x 100 (4 x 100 (4 x 100 (4 x 100 (4 x
	Protective warning  Push-in type jum	light gray 2002- dark gray 2002- must be singulari. g marker, with high volt for 5 terminal blo yellow 2002- must be singulari. nper bars, light gray, 2-way 2004- 3-way 2004- 4-way 2004- 5-way 2004- : : 10-way 2004- 1-3 2004- 1-4 2004- 1-5 2004- : :	171 0.25-0.5 mm² 172 0.75-1 mm² zed tage symbol, black, bcks 115 100 (4 × 25) zed insulated, I <sub>N</sub> 25 A 402 200 (8 × 25) 403 200 (8 × 25) 404 200 (8 × 25) 405 100 (4 × 25) insulated, I <sub>N</sub> 25 A 433 200 (8 × 25) 434 200 (8 × 25) 435 100 (4 × 25)	Protective warnin	light gray 2002-171 dark gray 2002-172 must be singularized g marker, with high voltage for 5 terminal blocks yellow 2002-115 must be singularized nper bars, light gray, insu 2-way 2004-402 3-way 2004-403 4-way 2004-404 5-way 2004-405 : : : 10-way 2004-410 nper bars, light gray, insu 1 - 3 2004-433 1 - 4 2004-435 : :	0.250.5 r 0.75-1 r symbol, blod 100 (4 x 100 (8 x 200 (8 x 100 (4 x 100 (4 x 100 (4 x 100 (4 x 100 (4 x 100 (4 x 100 (8 x 1
	Protective warning  Push-in type jum  Push-in type jum	light gray 2002- dark gray 2002- must be singulari. g marker, with high vol for 5 terminal ble yellow 2002- must be singulari. per bars, light gray, 2-way 2004- 3-way 2004- 5-way 2004- : : 10-way 2004- inper bars, light gray, 1 - 3 2004- 1 - 4 2004- 1 - 5 2004- : : : 1 - 10 2004-	171 0.25-0.5 mm² 172 0.75-1 mm² zed lage symbol, black, bcks 115 100 (4 × 25) zed insulated, I <sub>N</sub> 25 A 402 200 (8 × 25) 403 200 (8 × 25) 404 200 (8 × 25) 405 100 (4 × 25) insulated, I <sub>N</sub> 25 A 433 200 (8 × 25) 440 100 (4 × 25) 435 100 (4 × 25)	Push-in type jun	light gray 2002-171 dark gray 2002-172 must be singularized g marker, with high voltage for 5 terminal blocks yellow 2002-115 must be singularized oper bars, light gray, insu 2-way 2004-402 3-way 2004-403 4-way 2004-404 5-way 2004-405 : : : 10-way 2004-410 oper bars, light gray, insu 1 - 3 2004-433 1 - 4 2004-433 1 - 5 2004-435 : : : 1 - 10 2004-440	0.250.5 r 0.75-1 r symbol, blow 100 (4 x 100 (8 x 200 (8 x 200 (8 x 100 (4 x
	Protective warning  Push-in type jum  Push-in type jum	light gray 2002- dark gray 2002- must be singulari. g marker, with high vol for 5 terminal ble yellow 2002- must be singulari. g marker, with high vol for 5 terminal ble yellow 2004- 3-way 2004- 4-way 2004- 5-way 2004- : : : : : : : : : : : : : : : : : : :	171 0.25·0.5 mm² 172 0.75·1 mm² zed lage symbol, black, bcks 115 100 (4 × 25) zed insulated, I <sub>N</sub> 25 A 402 200 (8 × 25) 404 200 (8 × 25) 405 100 (4 × 25) 410 100 (4 × 25) 433 200 (8 × 25) 433 200 (8 × 25) 434 200 (8 × 25) 435 100 (4 × 25) 440 100 (4 × 25) 440 100 (4 × 25)	Push-in type jun	light gray 2002-171 dark gray 2002-172 must be singularized g marker, with high voltage for 5 terminal blocks yellow 2002-115 must be singularized sper bars, light gray, insu 2-way 2004-402 3-way 2004-403 4-way 2004-404 5-way 2004-405 : : : : : : : : : : : : : : : : : : :	0.250.5 r 0.75-1 r symbol, blow 100 (4 x 100 (8 x 200 (8 x 200 (8 x 100 (4 x
	Protective warning  Push-in type jum  Push-in type jum	light gray 2002- dark gray 2002- must be singulari. g marker, with high vol for 5 terminal ble yellow 2002- must be singulari. per bars, light gray, 2-way 2004- 3-way 2004- 5-way 2004- : : 10-way 2004- inper bars, light gray, 1 - 3 2004- 1 - 4 2004- 1 - 5 2004- : : : 1 - 10 2004-	171 0.25·0.5 mm² 172 0.75·1 mm² zed lage symbol, black, bcks 115 100 (4 × 25) zed insulated, I <sub>N</sub> 25 A 402 200 (8 × 25) 404 200 (8 × 25) 405 100 (4 × 25) 410 100 (4 × 25) 433 200 (8 × 25) 433 200 (8 × 25) 434 200 (8 × 25) 435 100 (4 × 25) 440 100 (4 × 25) 440 100 (4 × 25)	Push-in type jun	light gray 2002-171 dark gray 2002-172 must be singularized g marker, with high voltage for 5 terminal blocks yellow 2002-115 must be singularized oper bars, light gray, insu 2-way 2004-402 3-way 2004-403 4-way 2004-404 5-way 2004-405 : : : 10-way 2004-410 oper bars, light gray, insu 1 - 3 2004-433 1 - 4 2004-433 1 - 5 2004-435 : : : 1 - 10 2004-440	0.25-0.5 n 0.75-1 n esymbol, blad 100 (4 x 1) 100 (8 x 1) 100 (8 x 1) 100 (4 x 2) 100 (4 x 2) 100 (4 x 2) 100 (4 x 2) 100 (8
	Protective warning  Push-in type jum  Push-in type jum	light gray 2002- dark gray 2002- must be singulari. g marker, with high vol for 5 terminal ble yellow 2002- must be singulari. g marker, with high vol for 5 terminal ble yellow 2004- 3-way 2004- 4-way 2004- 5-way 2004- : : : : : : : : : : : : : : : : : : :	171 0.25·0.5 mm² 172 0.75·1 mm² zed lage symbol, black, bcks 115 100 (4 × 25) zed insulated, I <sub>N</sub> 25 A 402 200 (8 × 25) 404 200 (8 × 25) 405 100 (4 × 25) 410 100 (4 × 25) 433 200 (8 × 25) 433 200 (8 × 25) 434 200 (8 × 25) 435 100 (4 × 25) 440 100 (4 × 25) 440 100 (4 × 25)	Push-in type jun	light gray 2002-171 dark gray 2002-172 must be singularized g marker, with high voltage for 5 terminal blocks yellow 2002-115 must be singularized sper bars, light gray, insu 2-way 2004-402 3-way 2004-403 4-way 2004-404 5-way 2004-405 : : : : : : : : : : : : : : : : : : :	0.25-0.5 r 0.75-1 r symbol, blo 100 (4 x 101 (4

AWG 22 – 12

Pack, unit

0.25 — 2.5 (4) mm<sup>2</sup> 250 V/6 kV/3 **1** 6.3 A **2** 

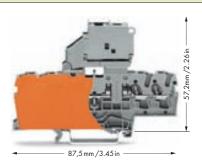
AWG 22 – 12

Pack, unit

Terminal block width 6.2 mm / 0.244 in  $$=\!=\!=\!= 10-12$  mm / 0.43 in

**Application notes** 

VOLUME 1

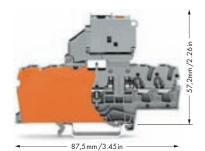


Item no.

4-conductor fuse terminal block with end plate,

Terminal block width 6.2 mm / 0.244 in

10 - 12 mm / 0.43 in



Item no.

4-conductor fuse terminal blocks with end plate,

without blown f	use indication		with blown fuse in	dication by LED	
gray	2002-1811	50	gray 12 – 30 V ≃ <b>3</b>		50
			gray 30 – 65 V ≃ <b>3</b>	2002-1811/1000-542	50
			gray 110 – 250 V ≃	2002-1811/1000-836	50
End plate for fus	e terminal blocks, 2 r	nm/0.079 in thick	End plate for fuse to	erminal blocks, 2 mm	/0.079 in thick
	gray 2002-9	<b>91</b> 100 (4×25)		gray 2002-991	100 (4×25
and the same	orange 2002-9		and the same	orange 2002-992	100 (4×25
The second	g	(/	The second second	g	
		Appropriate m	arkar austama		
\A/AA1	2/Markor String		iarker systems: see Full Line Catalog W4	\/_l	41
Insulation stop,		200 strips	Insulation stop, 5 p		200 strip
		171 0.25-0.5 mm <sup>2</sup>		light gray 2002-17	
00000	dark gray 2002-		00000	dark gray 2002-172	
	must be singulari			must be singularized	
Protective warning	<b>g marker,</b> with high vol	0 ,	Protective warning n	narker, with high voltage	,
	for 5 terminal blo	ocks		for 5 terminal block	
45555	yellow <b>2002</b> -	<b>115</b> 100 (4 x 25)	-2555g	yellow <b>2002-11</b>	5 100 (4 x 25
	must be singulari	zed		must be singularized	l
Push-in type jun	nper bars, light gray,	insulated, I <sub>N</sub> 25 A	Push-in type jumpe	r bars, light gray, ins	ulated, I <sub>N</sub> 25 A
-	2-way <b>2004-</b>	402 200 (8 x 25)		2-way <b>2004-40</b> 2	2 200 (8 x 25
200	3-way 2004-4	403 200 (8 x 25)	200	3-way <b>2004-40</b> 3	3 200 (8 x 25
ELV	4-way 2004-4	404 200 (8 x 25)	1111	4-way 2004-404	4 200 (8 x 25
1111	5-way <b>2004</b> -4	405 100 (4 x 25)	TELL	5-way 2004-40	5 100 (4 x 25
	: :	,		: :	
		<b>410</b> 100 (4 × 25)			) 100 (4 x 25
	10 may 2004	100 (4 X 20)		10 Way 2004 410	3 100 (4 X 20
Push-in type iun	nper bars, light gray,	insulated I 25 A	Push-in type jumpe	r bars, light gray, ins	ulated I 25 A
		433 200 (8 x 25)			3 200 (8 x 25
-		<b>434</b> 200 (8 x 25)			4 200 (8 x 25
15 10		<b>434</b> 200 (8 x 25) <b>435</b> 100 (4 x 25)	15 10		5 100 (4 x 25
Y Y		100 (4 x 25)	Y Y		100 (4 x 25
J. A	: :	140 100 / 4 051	J. A	: :	100//
		440 100 (4 x 25)			100 (4 x 25
Test plug, with cal	ole 500 mm/1′7.7″, Ø		Test plug, with cable	500 mm/1′7.7″, Ø 2 n	
	red <b>210-1</b> 3	36 50 (5 x 10)		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 2002-1811	1.6 W	1.6 W	2.5 W	2.5 W
2002-1811/ 2002-1611/	1.6 W	1.6 W	2.5 W	2.5 W

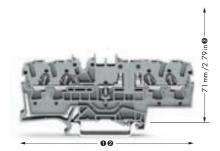
Protective warning marker and insulation stop must be singularized.

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.



## TOPJOB® 5 Fuse Plugs, Series 2004 and Carrier Terminal Blocks, Series 2002

\* Electrical ratings are given by the fuse or nominal voltage of the indicator lamp respectively. 250 V max.\* 6.3 max. VOLUME





Open side of terminal block	Description		Item no.	Pack. unit
	Fuse plug,	6.1 mm/0.24 in width wi	th pull-tab	
<del></del>	for miniature metric fuses	20	004-0911	50
	5 x 20 mm			
<b>8</b>	Fuse plug, same as above,	6.1 mm/0.24 in width wi	th pull-tab	
	with additional indicator lamp,			
7	LED, AC/DC 12 - 30 V,	20	004-0911/1000-0541	50
Leakage current in	LED, AC/DC 30 - 65 V,	20	004-0911/1000-0542	50
case of blown fuse LED 5 – 20 mA.	can be used in both switching			
Neon lamp < 0.4 mA	directions			
	AC/DC 120 V - 230 V	6.1 mm/0.24 in width wi	th pull-tab	
		20	004-0911/1000-0836	50
404/1000	and accessories Appropriate  2-conductor carrier terminal block 0,	Terminal block width		cer Strips
	<b>2-conductor carrier terminal block ①</b> , 0.25 – 2.5 (4) mm²/AWG 22 – 12	Terminal block width		ser Strips
4	2-conductor carrier terminal block <b>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 gray 20	h 5.2 mm/0.205 in	
	2conductor carrier terminal block ①, 0.25 – 2.5 (4) mm²/AWG 22 – 12 Stripped length 9–10 mm/0.37 in End and intermediate plate,	Terminal block widtl	h 5.2 mm/0.205 in	
	2-conductor carrier terminal block <b>1</b> , 0.25 – 2.5 (4) mm <sup>2</sup> /AWG 22 – 12 Stripped length 9 – 10 mm/0.37 in	Terminal block widtl gray 20 1 mm/0.039 thick	h 5.2 mm/0.205 in 002-1661	50
	2-conductor carrier terminal block ①, 0.25-2.5 (4) mm²/AWG 22-12 Stripped length 9-10 mm/0.37 in End and intermediate plate, for 2-cond. carrier term. block Item No. 2002-1661	Terminal block width gray 20  1 mm/0.039 thick orange 20 gray 20	h 5.2 mm/0.205 in 002-1661 002-1692 002-1691	50
	2-conductor carrier terminal block ①, 0.25-2.5 (4) mm²/AWG 22-12 Stripped length 9-10 mm/0.37 in End and intermediate plate, for 2-cond. carrier term. block Item No. 2002-1661 4-conductor carrier terminal block ②,	Terminal block width gray 20 1 mm/0.039 thick orange 20	h 5.2 mm/0.205 in 002-1661 002-1692 002-1691	50 100 (4 × 25)
	2-conductor carrier terminal block ①, 0.25-2.5 (4) mm²/AWG 22-12 Stripped length 9-10 mm/0.37 in End and intermediate plate, for 2-cond. carrier term. block Item No. 2002-1661 4-conductor carrier terminal block ②, 0.25-2.5 (4) mm²/AWG 22-12	Terminal block width gray 20  1 mm/0.039 thick orange 20 gray 20 Terminal block width	h 5.2 mm/0.205 in 002-1661 002-1692 002-1691	50 100 (4 × 25)
	2-conductor carrier terminal block ①, 0.25-2.5 (4) mm²/AWG 22-12 Stripped length 9-10 mm/0.37 in End and intermediate plate, for 2-cond. carrier term. block ltem No. 2002-1661 4-conductor carrier terminal block ②, 0.25-2.5 (4) mm²/AWG 22-12 Stripped length 10-12 mm/0.43 in	Terminal block widtl gray 20  1 mm/0.039 thick orange 20 gray 20 Terminal block widtl gray 20	h 5.2 mm/0.205 in 002-1661 002-1692 002-1691 h 6 mm/0.236 in	50 100 (4 × 25) 100 (4 × 25)
	2-conductor carrier terminal block ①, 0.25 – 2.5 (4) mm²/AWG 22 – 12 Stripped length 9 – 10 mm/0.37 in End and intermediate plate, for 2-cond. carrier term. block Item No. 2002-1661 4-conductor carrier terminal block ②, 0.25 – 2.5 (4) mm²/AWG 22 – 12 Stripped length 10 – 12 mm/0.43 in End and intermediate plate,	Terminal block width gray 20  1 mm/0.039 thick orange 20 gray 20 Terminal block width	002-1692 002-1691 h 6 mm/0.236 in	50 100 (4 × 25) 100 (4 × 25) 50
	2-conductor carrier terminal block ①, 0.25-2.5 (4) mm²/AWG 22-12 Stripped length 9-10 mm/0.37 in End and intermediate plate, for 2-cond. carrier term. block ltem No. 2002-1661 4-conductor carrier terminal block ②, 0.25-2.5 (4) mm²/AWG 22-12 Stripped length 10-12 mm/0.43 in	Terminal block widtl gray 20  1 mm/0.039 thick orange 20 gray 20 Terminal block widtl gray 20  1 mm/0.039 thick	002-1692 002-1691 h 6 mm/0.236 in	50 100 (4 × 25) 100 (4 × 25) 50
	2-conductor carrier terminal block ①, 0.25 – 2.5 (4) mm²/AWG 22 – 12 Stripped length 9 – 10 mm/0.37 in End and intermediate plate, for 2-cond. carrier term. block Item No. 2002-1661 4-conductor carrier terminal block ②, 0.25 – 2.5 (4) mm²/AWG 22 – 12 Stripped length 10 – 12 mm/0.43 in End and intermediate plate,	Terminal block widtl gray 20  1 mm/0.039 thick orange 20 gray 20 Terminal block widtl gray 20  1 mm/0.039 thick orange 20	002-1692 002-1691 h 6 mm/0.236 in 002-1861	50 100 (4 × 25) 100 (4 × 25) 50
	2conductor carrier terminal block 1, 0.25 – 2.5 (4) mm²/AWG 22 – 12 Stripped length 9 – 10 mm/0.37 in End and intermediate plate, for 2-cond. carrier term. block Item No. 2002-1661  4conductor carrier terminal block 2, 0.25 – 2.5 (4) mm²/AWG 22 – 12 Stripped length 10 – 12 mm/0.43 in End and intermediate plate, for 4-cond. carrier term. block Item No. 2002-1861  Shorting link, 5 × 20 mm,	Terminal block widtl gray 20  1 mm/0.039 thick orange 20 gray 20 Terminal block widtl gray 20  1 mm/0.039 thick orange 20	002-1692 002-1691 h 6 mm/0.236 in 002-1861	50 100 (4 × 25) 100 (4 × 25) 50 100 (4 × 25)
	2conductor carrier terminal block 1, 0.25 – 2.5 (4) mm²/AWG 22 – 12 Stripped length 9 – 10 mm/0.37 in End and intermediate plate, for 2-cond. carrier term. block litem No. 2002-1661  4conductor carrier terminal block 2, 0.25 – 2.5 (4) mm²/AWG 22 – 12 Stripped length 10 – 12 mm/0.43 in End and intermediate plate, for 4-cond. carrier term. block litem No. 2002-1861	Terminal block widtl gray 20  1 mm/0.039 thick orange 20 gray 20  Terminal block widtl gray 20  1 mm/0.039 thick orange 20 gray 20  2 mm/0.039 thick orange 20 gray 20	h 5.2 mm/0.205 in 102-1661 102-1692 102-1691 h 6 mm/0.236 in 102-1861 102-1892	50 100 (4 × 25) 100 (4 × 25) 50 100 (4 × 25)
	2-conductor carrier terminal block 1, 0.25 – 2.5 (4) mm²/AWG 22 – 12 Stripped length 9 – 10 mm/0.37 in End and intermediate plate, for 2-cond. carrier term. block Item No. 2002-1661  4-conductor carrier terminal block 2, 0.25 – 2.5 (4) mm²/AWG 22 – 12 Stripped length 10 – 12 mm/0.43 in End and intermediate plate, for 4-cond. carrier term. block Item No. 2002-1861  Shorting link, 5 × 20 mm, 6.3 A, if the fuse plug is used as disconnect plug	Terminal block widtl gray 20  1 mm/0.039 thick orange 20 gray 20  Terminal block widtl gray 20  1 mm/0.039 thick orange 20 gray 20  2 mm/0.039 thick orange 20 gray 20	h 5.2 mm/0.205 in 102-1661 102-1692 102-1691 h 6 mm/0.236 in 102-1861 102-1892	50 100 (4 × 25) 100 (4 × 25) 50 100 (4 × 25) 100 (4 × 25)
	2conductor carrier terminal block ①, 0.25 – 2.5 (4) mm²/AWG 22 – 12 Stripped length 9 – 10 mm/0.37 in End and intermediate plate, for 2-cond. carrier term. block Item No. 2002-1661 4conductor carrier terminal block ②, 0.25 – 2.5 (4) mm²/AWG 22 – 12 Stripped length 10 – 12 mm/0.43 in End and intermediate plate, for 4-cond. carrier term. block Item No. 2002-1861 Shorting link, 5 × 20 mm, 6.3 A, if the fuse plug is used as	Terminal block widtl gray 20  1 mm/0.039 thick orange 20 gray 20  Terminal block widtl gray 20  1 mm/0.039 thick orange 20 gray 20  2 mm/0.039 thick orange 20 gray 20	h 5.2 mm/0.205 in 102-1661 102-1692 102-1691 h 6 mm/0.236 in 102-1861 102-1892	50 100 (4 × 25) 100 (4 × 25) 50 100 (4 × 25) 100 (4 × 25)
	2-conductor carrier terminal block 1, 0.25 – 2.5 (4) mm²/AWG 22 – 12 Stripped length 9 – 10 mm/0.37 in End and intermediate plate, for 2-cond. carrier term. block Item No. 2002-1661  4-conductor carrier terminal block 2, 0.25 – 2.5 (4) mm²/AWG 22 – 12 Stripped length 10 – 12 mm/0.43 in End and intermediate plate, for 4-cond. carrier term. block Item No. 2002-1861  Shorting link, 5 × 20 mm, 6.3 A, if the fuse plug is used as disconnect plug	Terminal block width gray 20  1 mm/0.039 thick orange 20 gray 20  Terminal block width gray 20  1 mm/0.039 thick orange 20 gray 20  28  2 mm/0.079 thick	h 5.2 mm/0.205 in 1002-1661 1002-1692 1002-1691 1002-1861 1002-1861 1002-1892 1002-1891 11-503	50 100 (4 × 25) 100 (4 × 25) 50 100 (4 × 25) 100 (4 × 25)
	2-conductor carrier terminal block 1, 0.25 – 2.5 (4) mm²/AWG 22 – 12 Stripped length 9 – 10 mm/0.37 in End and intermediate plate, for 2-cond. carrier term. block Item No. 2002-1661  4-conductor carrier terminal block 2, 0.25 – 2.5 (4) mm²/AWG 22 – 12 Stripped length 10 – 12 mm/0.43 in End and intermediate plate, for 4-cond. carrier term. block Item No. 2002-1861  Shorting link, 5 × 20 mm, 6.3 A, if the fuse plug is used as disconnect plug	Terminal block width gray 20  1 mm/0.039 thick orange 20 gray 20  Terminal block width gray 20  1 mm/0.039 thick orange 20 gray 20  2 mm/0.079 thick orange 20 2 mm/0.079 thick orange 20	h 5.2 mm/0.205 in 1002-1661 1002-1692 1002-1691 1002-1861 1002-1861 1002-1892 1002-1891 11-503	50 100 (4 × 25) 100 (4 × 25) 50 100 (4 × 25) 100 (4 × 25) 250 (10 × 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.

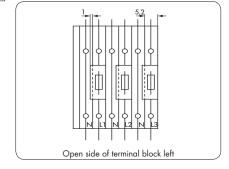
Further advantages:

- 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 6,1 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



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