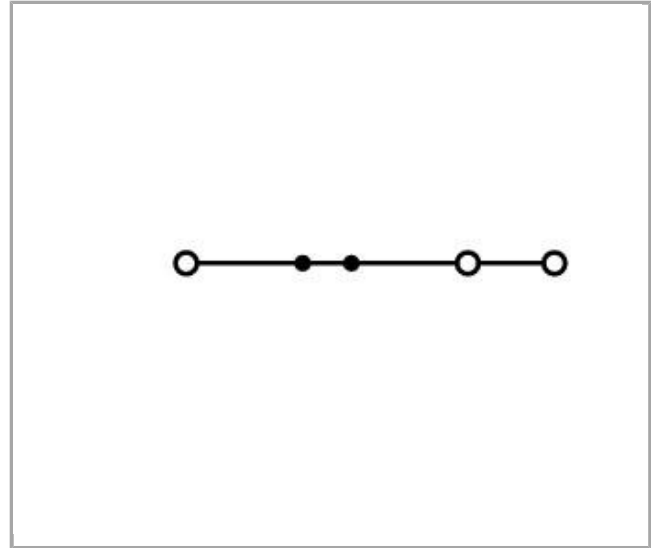
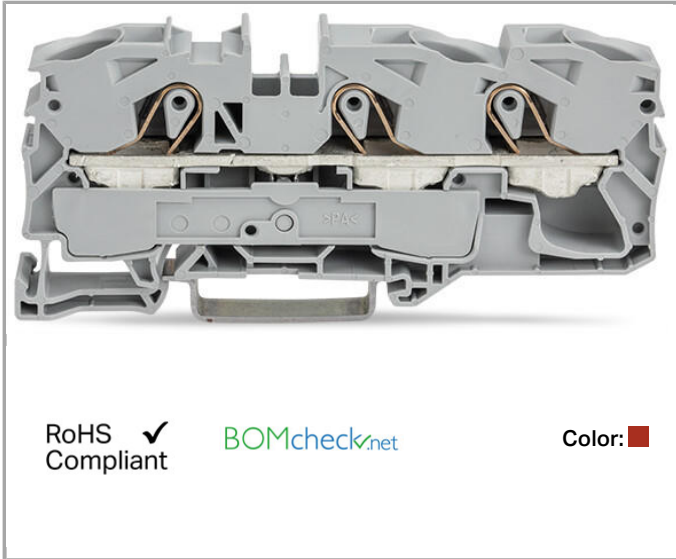


Data sheet | Item number: 2016-1303

3-conductor through terminal block; 16 mm²; suitable for Ex e II applications;
side and center marking; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE
CLAMP®; 16,00 mm²; red



2016-1303



Data

Electrical data

Ratings per IEC/EN 60664-1

Rated voltage (III / 3)	800 V
Rated impulse voltage (III / 3)	8 kV
Rated current	76 A
Rated current (2)	90 A

Approvals per UL 1059

Rated voltage UL (Use Group B)	600 V
Rated current UL (Use Group B)	85 A
Rated voltage UL (Use Group C)	600 V
Rated current UL (Use Group C)	85 A

Approvals per CSA

Rated voltage CSA (Use Group B)	600 V
Rated current CSA (Use Group B)	80 A
Rated voltage CSA (Use Group C)	600 V
Rated current CSA (Use Group C)	80 A

Approvals Ex

Rated voltage EN (Ex e II)	550 V
Rated current (Ex e II)	67 A
Rated current (Ex e II) with jumper	65 A

Connection data

Connection technology	Push-in CAGE CLAMP®
Actuation type	Push-in Open Tool Slot
Connectable conductor materials	Copper
Nominal cross section	16 mm ²
Solid conductor	0.5 16 mm ² / 20 6 AWG
Solid conductor, push-in termination	6 16 mm ² / 14 6 AWG
Fine-stranded conductor	0.5 25 mm ² / 20 4 AWG
Strip length	18 20 mm / 0.71 0.79 inch
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
Total number of connection points	3
Total number of potentials	1
Number of levels	1
Type of wiring	Front-entry wiring
Number of jumper slots	2

Geometrical Data

Width	12 mm / 0.472 inch
Height from upper-edge of DIN-35 rail	36.9 mm / 1.453 inch
Depth	91.8 mm / 3.622 inch

Mechanical data

Design	horizontal
Type of mounting	DIN-35 rail
Marking level	Center/side marking

Material Data







Color	red
Insulating material	Polyamide 66 (PA 66)
Fire load	0.376 MJ
Weight	26.712 g

Commercial data


Product Group	22 (TOPJOB S)
Country of origin	DE
GTIN	4050821378365
Customs Tariff No.	85369010000

Approvals / Certificates

Ex-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	AEx UL International Germany GmbH c/o Physikalisch Technische Bundesanstalt	UL 60079	E185892 sec.9
	AEx UL International Germany GmbH c/o Physikalisch Technische Bundesanstalt	UL 60079	E185892 sec.9
	ATEX Physikalisch Technische Bundesanstalt (PTB)	EN 60079	PTB 05 ATEX 1031 U (II 2 G Ex eII bzw. I M2 Ex eI)
	ATEX Physikalisch Technische Bundesanstalt (PTB)	EN 60079	PTB 05 ATEX 1031 U (II 2 G Ex eII bzw. I M2 Ex eI)
	IECEX Physikalisch Technische Bundesanstalt (PTB)	IEC 60079	IECEX PTB 05.0015 U
	IECEX Physikalisch Technische Bundesanstalt (PTB)	IEC 60079	IECEX PTB 05.0015 U

Radio-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA DEKRA Certification B.V.	EN 60947	NTR NL- 7294
	CCA	EN 60947	2172580.01

DEKRA Certification B.V.










CSA
DEKRA Certification B.V.


C22.2 No. 158



1579112

Country specific Approvals


Logo	Approval	Additional Approval Text	Certificate name
	ABS American Bureau of Shipping	-	14- HG1293677- PDA
	BV Bureau Veritas S.A.	EN 60947	38586/A0
	CCA DEKRA Certification B.V.	EN 60947	2172580.01
	CCA DEKRA Certification B.V.	EN 60947	NTR NL- 7294
	CSA DEKRA Certification B.V.	C22.2 No. 158	1579112
	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE00001V2
	LR Lloyds Register	EN 60947	91/20112 (E9)

Ship Approvals


Logo	Approval	Additional Approval Text	Certificate name
	ABS American Bureau of Shipping	-	14- HG1293677- PDA

	BV Bureau Veritas S.A.	EN 60947	38586/A0
	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE00001V2
	LR Lloyds Register	EN 60947	91/20112 (E9)

Other Approvals




Logo	Approval	Additional Approval Text	Certificate name
	UL UL International Germany GmbH	UL 1059	E45172
















UL-Approvals

















Logo	Approval	Additional Approval Text	Certificate name
	UL UL International Germany GmbH	UL 1059	E45172
















Compatible products



















Marking accessories

















	Item no.: 2009-110 Marking strips; on reel; not stretchable; plain; snap-on type; white	2009-110
	Item no.: 2009-115 WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type; white	2009-115
	Item no.: 2009-115/000-002 WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type; yellow	2009-115 /UUU-UUZ

	Item no.: 2009-115/000-006 WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type; blue	/000-006	2009-115
	Item no.: 2009-115/000-007 WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type; gray	/000-007	2009-115
	Item no.: 2009-115/000-012 WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type; orange	/000-012	2009-115
	Item no.: 2009-115/000-017 WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type; light green	/000-017	2009-115
	Item no.: 2009-115/000-023 WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type; green	/000-023	2009-115
	Item no.: 2009-115/000-024 WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type; violet	/000-024	2009-115
	Item no.: 2009-145 Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type; white		2009-145
	Item no.: 2009-145/000-002 Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type; yellow	/000-002	2009-145
	Item no.: 2009-145/000-005 Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type; red	/000-005	2009-145
	Item no.: 2009-145/000-006 Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type; blue	/000-006	2009-145
	Item no.: 2009-145/000-007 Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type; gray	/000-007	2009-145
	Item no.: 2009-145/000-012 Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type; orange	/000-012	2009-145
	Item no.: 2009-145/000-023 Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type; green	/000-023	2009-145
	Item no.: 2009-145/000-024 Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type; violet	/000-024	2009-145
	Item no.: 2009-191 Group marker carrier		2009-191

	Item no.: 2009-192 Group marker carrier		2009-192
	Item no.: 2009-193 Group marker carrier		2009-193
	Item no.: 2009-198 Adaptor		2009-198
	Item no.: 248-501 Miniature WSB Quick marking system; plain; Marker width 5 mm; 10 strips with 10 markers per card		248-501
	Item no.: 248-501/000-002 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; yellow	/000-002	248-501
	Item no.: 248-501/000-005 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white	/000-005	248-501
	Item no.: 248-501/000-006 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white	/000-006	248-501
	Item no.: 248-501/000-007 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white	/000-007	248-501
	Item no.: 248-501/000-012 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white	/000-012	248-501
	Item no.: 248-501/000-017 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white	/000-017	248-501
	Item no.: 248-501/000-023 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white	/000-023	248-501
	Item no.: 248-501/000-024 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white	/000-024	248-501
	Item no.: 793-501 WMB marking card; as card; not stretchable; plain; snap-on type; white		793-501
	Item no.: 793-501/000-002 WMB marking card; as card; not stretchable; plain; snap-on type; white	/000-002	793-501
	Item no.: 793-501/000-005 WMB marking card; as card; not stretchable; plain; snap-on type; white	/000-005	793-501
	Item no.: 793-501/000-006 WMB marking card; as card; not stretchable; plain; snap-on type; white	/000-006	793-501

	Item no.: 793-501/000-007 WMB marking card; as card; not stretchable; plain; snap-on type; white	/000-007	793-501
	Item no.: 793-501/000-012 WMB marking card; as card; not stretchable; plain; snap-on type; white	/000-012	793-501
	Item no.: 793-501/000-017 WMB marking card; as card; not stretchable; plain; snap-on type; white	/000-017	793-501
	Item no.: 793-501/000-023 WMB marking card; as card; not stretchable; plain; snap-on type; white	/000-023	793-501
	Item no.: 793-501/000-024 WMB marking card; as card; not stretchable; plain; snap-on type; white	/000-024	793-501
	Item no.: 793-5501 WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; white		793-5501
	Item no.: 793-5501/000-002 WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; yellow	/000-002	793-5501
	Item no.: 793-5501/000-005 WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type; red	/000-005	793-5501
	Item no.: 793-5501/000-006 WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type; blue	/000-006	793-5501
	Item no.: 793-5501/000-007 WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type; gray	/000-007	793-5501
	Item no.: 793-5501/000-012 WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type; orange	/000-012	793-5501
	Item no.: 793-5501/000-017 WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type; light green	/000-017	793-5501
	Item no.: 793-5501/000-023 WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type; green	/000-023	793-5501
	Item no.: 793-5501/000-024 WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type; violet	/000-024	793-5501
Jumper			
	Item no.: 2016-402 Push-in type jumper bar; insulated; 2-way; Nominal current 76 A; light gray		2016-402

	Item no.: 2016-403 Push-in type jumper bar; insulated; 3-way; Nominal current 76 A; light gray	2016-403
	Item no.: 2016-404 Push-in type jumper bar; insulated; 4-way; Nominal current 76 A; light gray	2016-404
	Item no.: 2016-405 Push-in type jumper bar; insulated; 5-way; Nominal current 76 A; light gray	2016-405
	Item no.: 2016-405/011-000 Star point jumper; insulated; 3-way (1-3-5); IN = IN terminal block; light gray	2016-405 /011-000
	Item no.: 2016-433 Push-in type jumper bar; insulated; from 1 to 3; Nominal current 76 A; light gray	2016-433
	Item no.: 2016-434 Push-in type jumper bar; insulated; from 1 to 4; Nominal current 76 A; light gray	2016-434
	Item no.: 2016-435 Push-in type jumper bar; insulated; from 1 to 5; Nominal current 76 A; light gray	2016-435
	Item no.: 2016-499 Step-down jumper; insulated; from 16/10 mm ² to 10/6/4/2.5 mm ² ; Nominal current 57 A; light gray	2016-499
	Item no.: 210-123 Wire commoning chain; insulated; 50 connections	210-123
	Item no.: 285-430 Step-down jumper; insulated; from 285-13x to 2010 and 2016 Series TOPJOB®S terminal blocks; Nominal current 90 A; gray	285-430
check		
	Item no.: 2009-174 Test plug adapter; for 4 mm Ø test plugs; for testing TOPJOB®S rail-mounted terminal blocks; gray	2009-174
	Item no.: 2009-182 Testing tap; for max. 2.5 mm ² ; tool-free connection for individual test wires 0.08 - 2.5 mm; gray	2009-182
	Item no.: 2016-511 Modular TOPJOB®S connector; modular; for jumper contact slot; 1-pole; 16,00 mm ² ; gray	2016-511
	Item no.: 2016-549 Spacer module; modular; e.g., for bridging commoned terminal blocks; gray	2016-549
tools		
	Item no.: 210-721 Operating tool; Blade: 5.5 x 0.8 mm; with a partially insulated shaft	210-721
Carrier rail		
	Item no.: 210-112 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 25 mm	210-112
	Item no.: 210-113 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715	210-113
	Item no.: 210-114 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715	210-114

	Item no.: 210-115 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 18 mm	210-115
	Item no.: 210-118 Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715	210-118
	Item no.: 210-196 Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored	210-196
	Item no.: 210-197 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715	210-197
	Item no.: 210-198 Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; copper-colored	210-198
ferrule		
	Item no.: 216-210 Ferrule; Sleeve for 16 mm ² / AWG 6; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue	216-210
	Item no.: 216-284 Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black	216-284
	Item no.: 216-286 Ferrule; Sleeve for 2.5 mm ² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue	216-286
	Item no.: 216-287 Ferrule; Sleeve for 4 mm ² / AWG 12; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray	216-287
	Item no.: 216-288 Ferrule; Sleeve for 6 mm ² / AWG 10; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; yellow	216-288
	Item no.: 216-289 Ferrule; Sleeve for 10 mm ² / AWG 8; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red	216-289
General accessories		
	Item no.: 2016-100 Finger guard; touchproof cover protects unused conductor entries; yellow	2016-100
End plate		
	Item no.: 2016-1391 End and intermediate plate; 1 mm thick; gray	2016-1391
	Item no.: 2016-1392 End and intermediate plate; 1 mm thick; orange	2016-1392
	Item no.: 209-191 Separator for Ex e/Ex i applications; 3 mm thick; 120 mm wide; orange	209-191
Protective Warning Marker		
	Item no.: 2016-115 Protective warning marker; with high-voltage symbol, black; for 5 terminal blocks; yellow	2016-115



Downloads

Documentation

Additional Information

Technical explanations	Apr 3, 2019	pdf 2.1 MB	Download
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CAD/CAE - Smart Data

EPLAN

EPLAN Data Portal	Download
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WSCAD

WSCAD Universe	Download
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Subject to changes.
