

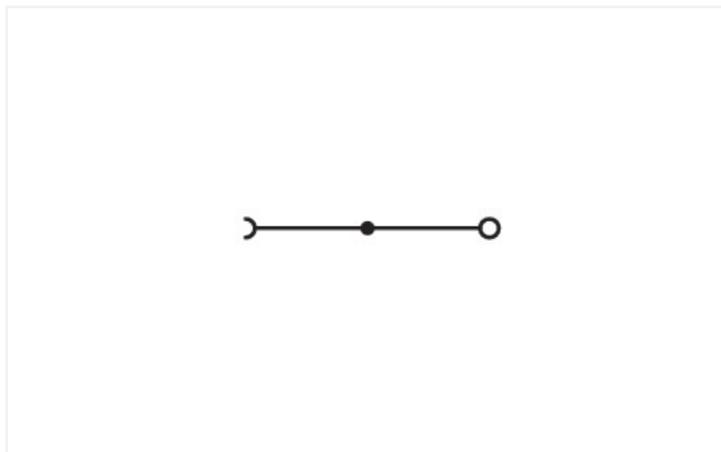
Data Sheet | Item Number: 784-623

1-conductor power distribution disconnect terminal block; 10 mm²; CAGE CLAMP®; 10,00 mm²; gray

<https://www.wago.com/784-623>



Color: ■ gray



Similar to illustration

Power distribution disconnect terminal block, 784 Series, operating tool

Our power distribution disconnect terminal block (item number 784-623) is designed for seamless electrical installations. Conductors should only be connected to this power distribution disconnect terminal block if their strip length is between 12 and 13 mm. Featuring conductor terminals along with CAGE CLAMP®, this product is highly versatile. Our tried-and-tested universal connection known as CAGE CLAMP® is the industry standard for connection technology and electrical interconnections. Depending on the conductor type, this power distribution disconnect terminal block is ideal for conductor cross sections ranging from 0.2 mm² to 10 mm² on one side and for conductor cross sections from 0.2 mm² to 16 mm² on the other side.

Electrical data

Ratings per IEC/EN

Nominal voltage (III/3)	400 V
Rated impulse withstand voltage (III / 3)	6 kV
Rated current	57 A
Legend (ratings)	(III / 3) ± Overvoltage category III / Pollution degree 3

Power Loss

Power loss, per pole (potential)	1.8194 W
Rated current I _N for power loss specification	57 A
Resistance value for specified, current-dependent power loss	0.00056 Ω

General information

Wiring direction	Front-entry wiring
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Connection Data

Clamping units	1
Total number of potentials	1
Number of levels	1

Connection 1

Connection technology	CAGE CLAMP®
Actuation type	Operating tool
Connectable conductor materials	Copper
Solid conductor	0.2 ... 10 mm ² / 24 ... 8 AWG
Fine-stranded conductor	0.2 ... 10 mm ² / 24 ... 8 AWG
Strip length	12 ... 13 mm / 0.47 ... 0.51 inches
Wiring direction	Front-entry wiring

Connection 2

Solid conductor	0.2 ... 16 mm ² / 24 ... 6 AWG
Fine-stranded conductor	0.2 ... 16 mm ² / 24 ... 6 AWG

Physical data

Width	10 mm / 0.394 inches
Height	82.5 mm / 3.248 inches
Depth from upper-edge of DIN-rail	43.5 mm / 1.713 inches

Mechanical data

Design	angled
Mounting type	DIN-35 rail
Marking level	Center marking

Material data

Note (material data)	Information on material specifications can be found here
Color	gray
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.338 MJ
Weight	32.9 g

Environmental requirements

Processing temperature	-35 ... +85 °C
Continuous operating temperature	-60 ... +105 °C

Commercial data

Product Group	17 (TOP JOB Installation Terminal Blocks)
PU (SPU)	25 pcs
Packaging type	Box
Country of origin	PL
GTIN	4045454016999
Customs tariff number	85369010000

Product Classification

UNSPSC	39121410
eCl@ss 10.0	27-14-11-38
eCl@ss 9.0	27-14-11-38
ETIM 9.0	EC001257
ETIM 10.0	EC001257
ECCN	NO US CLASSIFICATION

Environmental Product Compliance

CAS-No.	7439-92-1
REACH Candidate List Substance	Lead
RoHS Compliance Status	Compliant, No Exemption
SCIP notification number (Austria)	d71822b9-5c54-476b-8917-59250c583f03
SCIP notification number (Belgium)	d9fa5d0a-5c1b-4935-b59d-14e14bfe8491
SCIP notification number (Bulgaria)	d1a20dd7-260f-430f-a292-9c04a9a296d1
SCIP notification number (Czech Republic)	8260914b-798a-468d-bb28-1e5f09c959a8
SCIP notification number (Denmark)	af3c9e91-fc1c-4e14-a5b3-9018fc065f65
SCIP notification number (Finland)	253e8f5d-ef8d-450f-b773-84e99c32c612
SCIP notification number (France)	93c47d15-8bee-497b-a39c-1c2fbd34dab9
SCIP notification number (Germany)	d851bd01-cc3b-4424-9f59-8a998f61e2c0
SCIP notification number (Hungary)	05f91e27-e783-4535-8ad0-cd344eac56e2
SCIP notification number (Italy)	37a67fed-cf8b-4fba-8aab-43ff205bc81e
SCIP notification number (Netherlands)	e4461236-d74b-4c50-9014-ec7226b8c404
SCIP notification number (Poland)	e8082d6e-cc20-4202-b4a9-4a487cdf73a6
SCIP notification number (Romania)	1c5a9a5e-854f-453f-b0dc-3c384905227c
SCIP notification number (Sweden)	1bbb101e-a4c1-4afc-ab1f-4d6fbed74437

Approvals / Certificates

General approvals			Approvals for marine applications		
Approval	Standard	Certificate Name	Approval	Standard	Certificate Name
CSA CSA Group	C22.2	1536078	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE00001V2
UR Underwriters Laboratories Inc.	UL 1059	E45172	PRS Polski Rejestr Statków	-	TE/1094/880590/23

Downloads

Environmental Product Compliance

Compliance Search	
Environmental Product Compliance 784-623	↓

Documentation

Bid Text			
784-623	19.02.2019	xml 3.17 KB	↓
784-623	02.03.2017	doc 24.00 KB	↓

CAD/CAE-Data

CAD data

2D/3D Models 784-623



CAE data

EPLAN Data Portal
784-623



WSCAD Universe
784-623



ZUKEN Portal 784-623



1 Compatible Products

1.1 Required Accessories

1.1.1 End plate

1.1.1.1 End plate



Item No.: 782-317

End and intermediate plate; 1.5 mm thick; orange

1.2 Optional Accessories

1.2.1 Cover

1.2.1.1 Cover



Item No.: 284-400

Finger guard; touchproof cover protects unused conductor entries; yellow

1.2.2 DIN-rail

1.2.2.1 Mounting accessories



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



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



Item No.: 210-508

Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; galvanized; similar to EN 60715; silver-colored



Item No.: 210-197

Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715; silver-colored



Item No.: 210-506

Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; galvanized; similar to EN 60715; silver-colored



Item No.: 210-114

Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored



Item No.: 210-118

Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored



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; silver-colored



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; silver-colored



Item No.: 210-504

Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; galvanized; according to EN 60715; silver-colored



Item No.: 210-113

Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored



Item No.: 210-505

Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; galvanized; according to EN 60715; silver-colored

1.2.3 Ferrule

1.2.3.1 Ferrule



Item No.: 216-131

Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated; silver-colored



Item No.: 216-262

Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray



Item No.: 216-263

Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red



Item No.: 216-264

Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black



Item No.: 216-284

Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black



Item No.: 216-289

Ferrule; Sleeve for 10 mm² / AWG 8; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red



Item No.: 216-209

Ferrule; Sleeve for 10 mm² / AWG 8; insulated; electro-tin plated; red



Item No.: 216-109

Ferrule; Sleeve for 10 mm² / AWG 8; uninsulated; electro-tin plated



Item No.: 216-266

Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue



Item No.: 216-286

Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue



Item No.: 216-267

Ferrule; Sleeve for 4 mm² / AWG 12; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray



Item No.: 216-287

Ferrule; Sleeve for 4 mm² / AWG 12; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray



Item No.: 216-208

Ferrule; Sleeve for 6 mm² / AWG 10; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; yellow



Item No.: 216-288

Ferrule; Sleeve for 6 mm² / AWG 10; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; yellow



Item No.: 216-108

Ferrule; Sleeve for 6 mm² / AWG 10; uninsulated; electro-tin plated; silver-colored

1.2.4 Installation

1.2.4.1 Cover



Item No.: 709-154

Cover; Type 2; suitable for cover carrier, type 2; 1 m long; transparent

1.2.4.2 Cover carrier



Item No.: 709-168

Cover carrier; Type 2; incl. fixing/retaining screws and knurled nut; suitable for 283 to 285 Series rail-mounted terminal blocks; suitable for 279 to 281 Series double- and triple-deck terminal blocks; suitable for 780 to 785, 775, 776 and 777 Series TOPJOB® rail-mounted terminal blocks; suitable for 280 Series sensor and actuator terminal blocks; suitable for 282 Series disconnect/test terminal blocks for transformer circuits; gray

1.2.4.3 Mounting accessories



Item No.: 782-321
 Busbar carrier; not suitable for use as end stop; for DIN 35 rail; 1.5 mm thick; blue



Item No.: 777-305
 Busbar carrier; with end stop function and detachable separator plate; for DIN 35 rail; 8 mm thick; blue



Item No.: 209-106
 Mounting carrier; for isolated mounting on DIN 35 rails; gray



Item No.: 249-116
 Screwless end stop; 6 mm wide; for DIN-rail 35 x 15 and 35 x 7.5; gray

1.2.5 Jumper

1.2.5.1 Jumper



Item No.: 284-402
 Jumper; insulated; gray



Item No.: 284-409
 Jumper; insulated; gray



Item No.: 284-422
 Jumper; insulated; yellow-green

1.2.6 Lock-out

1.2.6.1 Locking system



Item No.: 782-300
 Lock-out; prevents reclosing of slide link; Snap-in type; for 782/784/783/785 Series; orange

1.2.7 Marking

1.2.7.1 Group marker carrier



Item No.: 249-105
 Group marker carrier; gray

1.2.7.2 Marker



Item No.: 793-5501/000-006
 WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; blue



Item No.: 793-5501/000-007
 WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; gray



Item No.: 793-5501/000-023
 WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; green



Item No.: 793-5501/000-017
 WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; light green



Item No.: 793-5501/000-012
 WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; orange



Item No.: 793-5501/000-005
 WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; red



Item No.: 793-5501/000-024
 WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; violet



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



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



Item No.: 793-501/000-006
 WMB marking card; as card; not stretchable; plain; snap-on type; blue



Item No.: 793-501/000-007
 WMB marking card; as card; not stretchable; plain; snap-on type; gray



Item No.: 793-501/000-023
 WMB marking card; as card; not stretchable; plain; snap-on type; green



Item No.: 793-501/000-017
 WMB marking card; as card; not stretchable; plain; snap-on type; light green



Item No.: 793-501/000-012
 WMB marking card; as card; not stretchable; plain; snap-on type; orange



Item No.: 793-501/000-005
 WMB marking card; as card; not stretchable; plain; snap-on type; red



Item No.: 793-501/000-024
 WMB marking card; as card; not stretchable; plain; snap-on type; violet

1.2.7.2 Marker



Item No.: 793-501
WMB marking card; as card; not stretchable; plain; snap-on type; white

Item No.: 793-501/000-002
WMB marking card; as card; not stretchable; plain; snap-on type; yellow

Item No.: 2009-115/000-006
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue

Item No.: 2009-115/000-007
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray



Item No.: 2009-115/000-023
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green

Item No.: 2009-115/000-017
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; light green

Item No.: 2009-115/000-012
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange

Item No.: 2009-115/000-024
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet



Item No.: 2009-115
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

Item No.: 2009-115/000-002
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow

1.2.8 N-busbar

1.2.8.1 Busbar



Item No.: 210-133
Busbar; tin-plated; 1000 mm long; Cu 10 mm x 3 mm; white

1.2.8.2 Cover



Item No.: 777-303
N-busbar cover; 1000 mm long; transparent

1.2.9 Protective warning marker

1.2.9.1 Cover



Item No.: 284-415
Protective warning marker; for 5 terminal blocks; with high-voltage symbol, black; yellow

1.2.10 Terminal blocks

1.2.10.1 Busbar terminal block



Item No.: 210-281
Connector; blue

Item No.: 209-105
Connector; silver-colored

1.2.11 Test and measurement

1.2.11.1 Testing accessories



Item No.: 709-311

B-type spacer module; modular; e.g., for bridging commoned terminal blocks; gray



Item No.: 709-310

B-type test plug module; modular; suitable for all WAGO 282 Series rail-mounted terminal blocks with jumper slots; 6,00 mm²; gray



Item No.: 210-297

Step-down test plug; from 4mm socket to 2mm plug; red



Item No.: 209-170

Test plug adapter; 8.3 mm wide; for 4 mm Ø test plugs; suitable for 1.5 mm² - 10 mm² tbs; gray

1.2.12 Tool

1.2.12.1 Operating tool



Item No.: 210-721

Operating tool; Blade: 5.5 x 0.8 mm; with a partially insulated shaft; multicoloured



Item No.: 777-310

Operating tool; Specially designed blade; for TOPJOB® Terminal Blocks; orange

Installation Notes



Operating a screwless N-disconnect slide link.