

**Modular Bus System**



**General Purpose Transformer**



**PSG Power Supplies**



**CHDB Series Power Distribution**



**XB Terminal Blocks**



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For our complete product offering, see Volume 7—Logic Control, Operator Interface and Connectivity Solutions, CA08100008E

## Product Overview

### Modular Bus System Selection Guide



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Description	Modular Distribution Busbar System (MDBS) Page V9-T6-3	Power Distribution Busbar Module (PDBM) Page V9-T6-4
<b>Technical Data</b>		
Voltage		
Type	AC or DC or both	DC
Vdc	to 110 Vdc nominal (77–137.5 Vdc)	to 72 Vdc nominal (55–90 Vdc)
Vac	to 380 Vac nominal (342–424 Vac); 50/60 Hz	—
Busbars	4 busbars	1, additional negative return busbar possible
Busbar rating	300A output	100A total output (up to 30A per breaker)
Mounting	Front panel	Front or rear panel
Breaker specifications		
Type	Hydraulic-magnetic	Hydraulic-magnetic
Series	AMR, AM1P (three-pole AMR in parallel)	J Series
Ratings	to 100A (single-pole), 300A (three-pole)	to 30A
Terminals	Plug-in bullet terminals	Fast-on
Number of breakers	3 and 5 breaker modules (any combination)	Maximum 12 positions (using 4-position modules)
Auxiliary contact	Via individual connections via trim trio connector	Individual signals via SMS, SUBD, or DT connectors
Dual control	Available	Available
<b>Dimensions</b>		
Module only—H x W x D in (mm)		
3-Breaker	3.31 x 2.25 x 4.095 (84 x 57.15 x 104)	—
4-Breaker	—	3.94 x 3.00 x 1.10 (100 x 76 x 28)
5-Breaker	3.31 x 3.74 x 4.095 (84 x 95 x 104)	—
Module including mounting blade, busbar, auxiliary switch— H x W x D in (mm)		
3-Breaker	4.53 x 2.25 x 5.52 (115 x 57.15 x 140)	—
4-Breaker	—	3.94 x 3.00 x 1.46 (100 x 76 x 37)
5-Breaker	4.53 x 3.74 x 5.52 (84 x 95 x 104)	—
<b>Weight</b>		
Weight (without busbars)		
3-Breaker	200g (7 oz)	—
4-Breaker ①	—	160g (5.65 oz)
5-Breaker	300g (10.6 oz)	—

#### Note

① With busbars.

## Modular Bus System for Hydraulic Magnetic Circuit Breakers

## Modular Bus System for Hydraulic Magnetic Circuit Breakers—MDBS



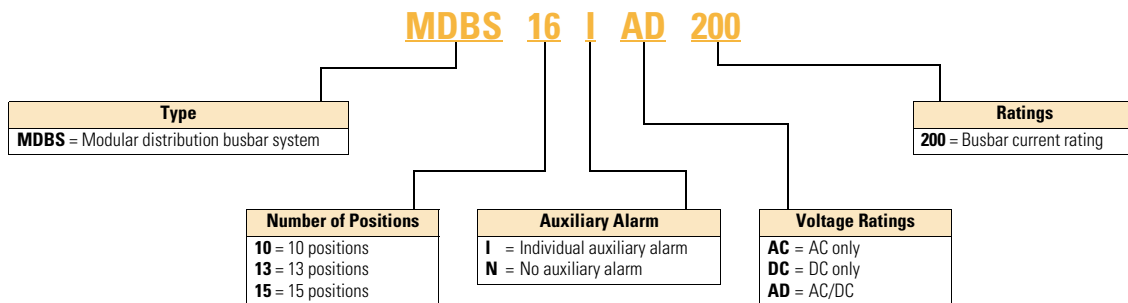
## Features

- Compact power distribution bus system design
- Number, type (AC vs. DC) and location of loads can be easily changed by adjusting the busbar components
- Saves installation time
- Available with or without individual alarm auxiliary switches
- Utilizes pluggable breakers for quick connection and ability to disconnect

## Catalog Number Selection

## Modular Bus System for Hydraulic Magnetic Circuit Breakers—MDBS

## Modular Bus System—MDBS Model



## Product Selection

## Modular Bus System—MDBS Model

Individual Auxiliary Alarm	Voltage	Number of Breaker Positions (Poles)	Catalog Number <sup>①</sup>
Yes	AC and DC	10	<b>MDBS-10-1-AD-200</b>
		13	<b>MDBS-13-1-AD-200</b>
		15	<b>MDBS-15-1-AD-200</b>
No	AC only	10	<b>MDBS-10-N-AD-200</b>
		13	<b>MDBS-13-N-AD-200</b>
		15	<b>MDBS-15-N-AD-200</b>

**Note**

- <sup>①</sup> These are typical catalog numbers that could be built using the modular system. Products are built-to-order according to specifications and can be provided with any number of positions.

# 6.1

## Machine Integration

### Modular Bus System for Hydraulic Magnetic Circuit Breakers

#### Modular Bus System for Hydraulic Magnetic Circuit Breakers—PDMB



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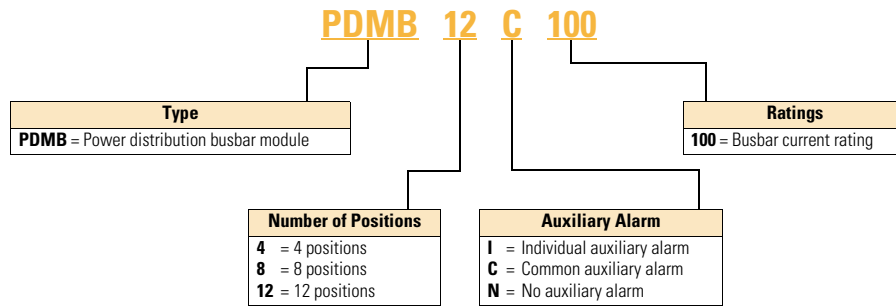
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#### Catalog Number Selection

##### Modular Bus System for Hydraulic Magnetic Circuit Breakers—PDMB

##### Modular Bus System—PDMB Model



#### Product Selection

##### Modular Bus System—PDMB Model

Auxiliary Alarm	Busbar Current Rating	Number of Breaker Positions (Poles)	Catalog Number <sup>①</sup>
Common	100A	4	<b>PDMB-4-C-100</b>
		8	<b>PDMB-8-C-100</b>
		12	<b>PDMB-12-C-100</b>
Individual	100A	4	<b>PDMB-4-1-100</b>
		8	<b>PDMB-8-1-100</b>
		12	<b>PDMB-12-1-100</b>
No auxiliary alarm	100A	4	<b>PDMB-4-N-100</b>
		8	<b>PDMB-8-N-100</b>
		12	<b>PDMB-12-N-100</b>

#### Note

- <sup>①</sup> These are typical catalog numbers that could be built using the modular system. Products are built-to-order according to specifications and can be provided with any number of positions.

## Product Overview

### General Purpose and Industrial Control Transformers Selection Guide



Description	General Purpose Transformers	Industrial Control Transformers
	Page V9-T6-6	Page V9-T6-8
General applications	Typically used to step-down voltage from a high voltage to a lower, safer voltage. Commonly installed in or on other electrical equipment, such as machinery, switchboards, and motor control centers. Also installed as loose equipment.	Typically used to step-down voltage to a level suitable to operate a variety of electrically controlled devices. Must be installed inside an enclosure, panel, or other structure to provide protection from the surroundings.
Maximum primary voltage rating	600 Vac	600 Vac
Frequency	60 Hz standard (50/60 Hz optional)	50/60 Hz
Enclosure rating	Type 3R raintight	Open
Insulation system	180°C (356°F)	105°C (221°F)/130°C (266°F)/180°C (356°F)
Temperature rise		
Standard	115°C (239°F)	55°C (131°F)/80°C (176°F)/120°C (248°F)
Optional	80°C (176°F)	—
Approvals	UL® 506, UL 1561, CSA® C22.2	UL 506, CSA C22.2
Ratings		
50 VA	37.5 kVA single-phase	50 to 5,000 VA
3 kVA	75 kVA three-phase	—

#### General Purpose Transformers



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#### Features

- Totally enclosed non-ventilated Type 3R enclosure
- 180°C insulation system
- Suitable for indoor or outdoor applications
- UL listed and CSA certified

### Catalog Number Selection

#### General Purpose Transformers

##### General Purpose

**T S 20 N 11 S 05 A**

Prefix Options		Type		Taps		kVA			Suffix Options																																																																		
<b>C</b> = CSA labeled ventilated transformer <b>Marine Duty</b> <b>QS</b> = EPM marine (1-Ph encapsulated) <b>LY</b> = EPTM Marine (3-Ph encapsulated) <b>RT</b> = DS-3M marine (1-Ph ventilated) <b>MV</b> = DT-3M marine (3-Ph ventilated)		<b>S</b> = EP (single-phase encapsulated) <b>Y</b> = EPT (three-phase encapsulated) <b>T</b> = DS-3 (single-phase ventilated) <b>V</b> = DT-3 (three-phase ventilated) <b>P</b> = Mini-power center <b>Z</b> = Class 1 Division 2 Groups C and D <b>X</b> = Harmonic mitigating (three-phase ventilated)		<b>D</b> = 2 at +2.5%, 2 at -2.5% <b>E</b> = 1 at +5%, 1 at -5% <b>F</b> = 1 at -10% <b>G</b> = 2 at -5% <b>J</b> = 4 at -2.5% <b>K</b> = 1 at -10% x 2 at -5% <b>L</b> = 2 at -5% x 4 at -2.5% <b>M</b> = 2 at +2.5%, 4 at -2.5% <b>N</b> = None <b>R</b> = 1 at +5%, 2 at -5% <b>P</b> = 1 at +5%, 2 at -5% x 2 at +2.5%, 4 at -2.5% <b>T</b> = 1 at +4.2%, 1 at -4.2% <b>U</b> = 1 at +2.5%, 3 at -2.5% <b>W</b> = 1 at +3.5%, 1 at -3.5% <b>X</b> = 2 at +3.1%, 2 at -3.1%		<table border="1" style="width: 100%; text-align: center;"> <tr> <td><b>81</b> = 0.05</td> <td><b>07</b> = 7.5</td> <td><b>12</b> = 112.5</td> </tr> <tr> <td><b>85</b> = 0.075</td> <td><b>09</b> = 9</td> <td><b>49</b> = 150</td> </tr> <tr> <td><b>82</b> = 0.10</td> <td><b>10</b> = 10</td> <td><b>67</b> = 167</td> </tr> <tr> <td><b>83</b> = 0.15</td> <td><b>15</b> = 15</td> <td><b>22</b> = 225</td> </tr> <tr> <td><b>26</b> = 0.25</td> <td><b>21</b> = 22.5</td> <td><b>52</b> = 250</td> </tr> <tr> <td><b>51</b> = 0.50</td> <td><b>25</b> = 25</td> <td><b>33</b> = 300</td> </tr> <tr> <td><b>76</b> = 0.75</td> <td><b>30</b> = 30</td> <td><b>54</b> = 333</td> </tr> <tr> <td><b>01</b> = 1</td> <td><b>37</b> = 37.5</td> <td><b>55</b> = 500</td> </tr> <tr> <td><b>16</b> = 1.5</td> <td><b>45</b> = 45</td> <td><b>60</b> = 600</td> </tr> <tr> <td><b>02</b> = 2</td> <td><b>50</b> = 50</td> <td><b>77</b> = 750</td> </tr> <tr> <td><b>03</b> = 3</td> <td><b>75</b> = 75</td> <td><b>11</b> = 1000</td> </tr> <tr> <td><b>05</b> = 5</td> <td><b>99</b> = 100</td> <td><b>14</b> = 1500</td> </tr> <tr> <td><b>06</b> = 6</td> <td></td> <td></td> </tr> </table>			<b>81</b> = 0.05	<b>07</b> = 7.5	<b>12</b> = 112.5	<b>85</b> = 0.075	<b>09</b> = 9	<b>49</b> = 150	<b>82</b> = 0.10	<b>10</b> = 10	<b>67</b> = 167	<b>83</b> = 0.15	<b>15</b> = 15	<b>22</b> = 225	<b>26</b> = 0.25	<b>21</b> = 22.5	<b>52</b> = 250	<b>51</b> = 0.50	<b>25</b> = 25	<b>33</b> = 300	<b>76</b> = 0.75	<b>30</b> = 30	<b>54</b> = 333	<b>01</b> = 1	<b>37</b> = 37.5	<b>55</b> = 500	<b>16</b> = 1.5	<b>45</b> = 45	<b>60</b> = 600	<b>02</b> = 2	<b>50</b> = 50	<b>77</b> = 750	<b>03</b> = 3	<b>75</b> = 75	<b>11</b> = 1000	<b>05</b> = 5	<b>99</b> = 100	<b>14</b> = 1500	<b>06</b> = 6			<table border="1" style="width: 100%; text-align: center;"> <tr> <td><b>A...Y</b> = ①</td> <td><b>SR</b> = ⑩</td> </tr> <tr> <td><b>CU</b> = ②</td> <td><b>CE</b> = ⑪</td> </tr> <tr> <td><b>SS</b> = ③</td> <td><b>T</b> = ⑫</td> </tr> <tr> <td><b>ZZ</b> = ④</td> <td><b>EE</b> = ⑬</td> </tr> <tr> <td><b>NV</b> = ⑤</td> <td><b>NON</b> = ⑭</td> </tr> <tr> <td><b>X</b> = ⑥</td> <td><b>POS</b> = ⑮</td> </tr> <tr> <td><b>LS_</b> = ⑦</td> <td><b>NEG</b> = ⑯</td> </tr> <tr> <td><b>AF</b> = ⑧</td> <td><b>THR</b> = ⑰</td> </tr> <tr> <td><b>TR</b> = ⑨</td> <td></td> </tr> </table>		<b>A...Y</b> = ①	<b>SR</b> = ⑩	<b>CU</b> = ②	<b>CE</b> = ⑪	<b>SS</b> = ③	<b>T</b> = ⑫	<b>ZZ</b> = ④	<b>EE</b> = ⑬	<b>NV</b> = ⑤	<b>NON</b> = ⑭	<b>X</b> = ⑥	<b>POS</b> = ⑮	<b>LS_</b> = ⑦	<b>NEG</b> = ⑯	<b>AF</b> = ⑧	<b>THR</b> = ⑰	<b>TR</b> = ⑨									
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#### Notes

- ① Model number is not used on newly designed/re-designed transformers.
- ② Copper windings.
- ③ Stainless steel enclosure (uses 316 stainless steel, does not imply a NEMA 4X rating).
- ④ Open type core and coil assembly.
- ⑤ Totally enclosed non-ventilated DS-3 or DT-3.
- ⑥ 50/60 Hz.
- ⑦ Low sound design. LS47 indicates low sound equal to 47 dB; LS42 indicates 42 dB.
- ⑧ Fungus proof.
- ⑨ Certified test report of standard production tests for the specific serial number to be shipped.
- ⑩ Certified sound level report.
- ⑪ CE Marked.
- ⑫ Thermal indicator embedded in center coil. Suffix "TT" indicates two thermal indicators of different temperature ratings, are installed.
- ⑬ NEMA TP-1 Energy Star energy efficient.
- ⑭ 0° phase-shift (used with HMTs).
- ⑮ +15° phase-shift (used with HMTs).
- ⑯ -15° phase-shift (used with HMTs).
- ⑰ -30° phase-shift (used with HMTs).

## Product Selection

### Single-Phase Encapsulated, 240 x 480—120/240, 115°C Rise

kVA	Catalog Number	Outline #	Wiring Diagram
0.05	<b>S20N11S81N</b>	52	3A
0.075	<b>S20N11S85N</b>	53	3A
0.1	<b>S20N11S82N</b>	54	3A
0.15	<b>S20N11S83N</b>	55	3A
0.25	<b>S20N11S26N</b>	56	3A
0.5	<b>S20N11S51N</b>	57	3A
0.75	<b>S20N11S76N</b>	58A	3A
1	<b>S20N11S01N</b>	59A	3A
1.5	<b>S20N11S16N</b>	67	3A
2	<b>S20N11S02N</b>	68	3A
3	<b>S20N11S03N</b>	176	3A
5	<b>S20N11S05N</b>	177	3A
7.5	<b>S20N11S07N</b>	178	3A
10	<b>S20N11S10N</b>	179	3A
15	<b>S20N11S15N</b>	180	3A
25	<b>S20L11S25N</b>	182	23A
37.5	<b>S20L11S37</b>	300A	248A

### Single-Phase Transformer Sizing Chart

Line current = (kVA x 1000)/line voltage.

kVA	Rated Line Voltage								
	120	208	240	277	480	600	2400	4160	4800
0.5	4.2	2.4	2.1	1.8	1	0.8	0.2	0.1	0.1
1	8.3	4.8	4.2	3.6	2.1	1.7	0.4	0.2	0.2
1.5	12.5	7.2	6.3	5.4	3.1	2.5	0.6	0.4	0.3
2	16.7	9.6	8.3	7.2	4.2	3.3	0.8	0.5	0.4
3	25	14.4	12.5	10.8	6.3	5	1.3	0.7	0.6
5	41.7	24	20.8	18.1	10.4	8.3	2.1	1.2	1
7.5	62.5	36.1	31.3	27.1	15.6	12.5	3.1	1.8	1.6
10	83.3	48.1	41.7	36.1	20.8	16.7	4.2	2.4	2.1
15	125	72.1	62.5	54.2	31.3	25	6.3	3.6	3.1
25	208.3	120.2	104.2	90.3	52.1	41.7	10.4	6	5.2
37.5	312.5	180.3	156.3	135.4	78.1	62.5	15.6	9	7.8
50	416.7	240.4	208.3	180.5	104.2	83.3	20.8	12	10.4
75	625	360.6	312.5	270.8	156.3	125	31.3	18	15.6
100	833.3	480.8	416.7	361	208.3	166.7	41.7	24	20.8
167	1391.7	802.9	695.8	602.9	347.9	278.3	69.6	40.1	34.8
250	2083.3	1201.9	1041.7	902.5	520.8	416.7	104.2	60.1	52.1
333	2775	1601	1387.5	1202.2	693.8	555	138.8	80	69.4

#### Industrial Control Transformers



#### Features

- Epoxy encapsulated
- 130°C insulation system
- 50/60 Hz operation
- UL listed and CSA certified

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#### Catalog Number Selection

##### Industrial Control Transformers

##### Industrial Control

**CE 0250 E 2F CE**

Type	
<b>C</b>	= Industrial control transformer
<b>CE</b>	= CE Marked control transformer

VA Rating	
<b>0025</b> = 25	<b>1000</b> = 1000
<b>0050</b> = 50	<b>1500</b> = 1500
<b>0075</b> = 75	<b>2000</b> = 2000
<b>0100</b> = 100	<b>3000</b> = 3000
<b>0150</b> = 150	<b>5000</b> = 5000
<b>0200</b> = 200	<b>Type AP Only:</b>
<b>0250</b> = 250	<b>0003</b> = 3000
<b>0300</b> = 300	<b>0005</b> = 5000
<b>0350</b> = 350	<b>0007</b> = 7500
<b>0500</b> = 500	<b>0010</b> = 10000
<b>0750</b> = 750	<b>0015</b> = 15000

Transformer Design	
<b>E</b>	= MTE
<b>K</b>	= MTK
<b>P</b>	= AP

	Voltage	
	Primary	Secondary
<b>AC</b>	= 380 x 415	24
<b>AG</b>	= 208/240/277/380/480	24
<b>1B</b>	= 120 x 240	24
<b>2A</b>	= 240 x 480, 230 x 460, 220 x 440	120/115/110
<b>2B</b>	= 240 x 480	24
<b>2C</b>	= 240 x 480	120 x 240
<b>2F</b>	= 230/460	115
<b>2G</b>	= 230/460	115/230
<b>2U</b>	= 220/380/440/550, 230/400/460/575, 240/416/480/600	23/110, 24/115, 25/120
<b>2V</b>	= 208/230/400/460/575	24/115/230
<b>2W</b>	= 208/230/400/460/575	115/230
<b>3A</b>	= 208/277	120
<b>3B</b>	= 115	24
<b>3C</b>	= 230/460/575	115/95
<b>3D</b>	= 208/380/416	115/95
<b>4B</b>	= 208/230/460/575	24
<b>4C</b>	= 550/575/600	110/115/120
<b>4D</b>	= 380/400/415	110 x 220
<b>4E</b>	= 208/230/460/575	115
<b>4H</b>	= 380/400/415	22/23/24
<b>4W</b>	= 550/575/600	22/23/24
<b>5E</b>	= 200/220/440, 208/230/460, 240/480	23/110, 24/115, 25/120
<b>6U</b>	= 240/416/480/600, 230/400/460/575, 220/380/440/550, 208/500	99/120/130, 95/115/125, 91/110/120, 85/100/110
<b>7G</b> ①	= 240 x 480	120/240

Modifications	
<b>Type MTE/MTK</b>	
<b>CE</b>	= CE marked control transformer
<b>FB</b>	= Factory-mounted two-pole primary fuse block for rejection type fuses
<b>FBN</b>	= Factory-mounted two-pole primary fuse block for non-rejection type fuses
<b>Q</b>	= Secondary fuse clips for 1/4 x 1-1/4 in fuses
<b>XX</b>	= No secondary fuse clips
<b>RT</b>	= Ring type terminals for connection to fuse block
<b>ES</b>	= Electrostatic shield
<b>FS</b>	= Factory-mounted finger-safe terminal shields
<b>Type AP</b>	
<b>B</b>	= Bottom mounted
<b>S</b>	= Side/wall mounted
<b>ES</b>	= Electrostatic shield
<b>CU</b>	= Copper windings
<b>Type MTA/MTC</b>	
<b>FB</b>	= Factory-mounted three-pole fuse block (two-pole primary rejection type with single-pole secondary non-rejection type)
<b>ES</b>	= Electrostatic shield
<b>L</b>	= Lead terminations

#### Note

① Type AP only.



**Product Selection****Primary 240 x 480,  
230 x 460, 220 x 440—  
Secondary 120/115/110**

VA	Catalog Number
25	C0025E2A
50	C0050E2A
75	C0075E2A
100	C0100E2A
150	C0150E2A
200	C0200E2A
250	C0250E2A
300	C0300E2A
350	C0350E2A
500	C0500E2A
750	C0750E2A
1000	C1000E2A
1500	C1500E2A

**Primary 240 x 480—  
Secondary 24**

VA	Catalog Number
50	C0050E2B
75	C0075E2B
100	C0100E2B
150	C0150E2B
200	C0200E2B
250	C0250E2B
300	C0300E2B
350	C0350E2B
500	C0500E2B
750	C0750E2B

**Primary 120 x 240—  
Secondary 24**

VA	Catalog Number
50	C0050E1B
75	C0075E1B
100	C0100E1B
150	C0150E1B
200	C0200E1B
250	C0250E1B
300	C0300E1B
350	C0350E1B
500	C0500E1B

#### Product Overview

#### Power Supplies Selection Guide

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Description	PSG Power Supplies Page V9-T6-11	ELC Power Supplies Page V9-T6-12
<b>Technical Data</b>		
Output voltage	24 Vdc	24 Vdc
Input voltage	100–240 Vac/120–375 Vdc or 400–500 Vac/450–800 Vdc	100–240 Vac
Mounting	DIN rail	DIN rail/panel
Outrush current (current boost/surge)	150% of nominal	110% of nominal
Class 1, Division 2	Yes	Yes
Semi 47 approved	Yes	—
Housing material	Metal	Plastic
Adjustable output voltage	22–28 Vdc	—
Redundancy allowed	Yes	—
Connection	Large screw terminals	Large screw terminals
Overload/short circuit protection	Yes	Yes

## PSG Power Supplies



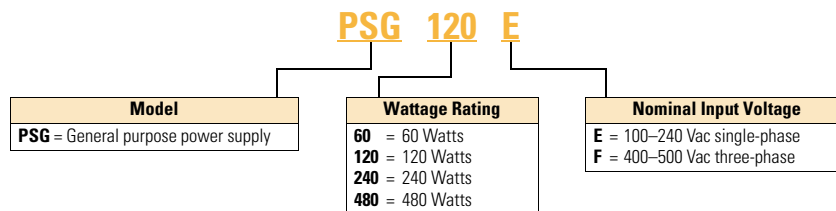
## Features

- Universal input voltages:
  - 100–240 Vac for single-phase units, 400–500 Vac for three-phase units
  - Rugged aluminum housing stands up to harsh environments
- Compact size, with common depth and height across all models allows for common panel depths and family consistency
- Heavy-duty screw terminals with finger-safe protective cover allow use of ring-lug terminals
- Class 1, Division 2 hazardous location rated

## Catalog Number Selection

## PSG Power Supplies

## PSG



## Product Selection

## Semi F47 Certified for Voltage Sag Immunity PSG Power Supply

Description	Catalog Number
Single-phase 100–240 Vac input, 24 Vdc/2.5A output	<b>PSG60E</b>
Three-phase 400–500 Vac input, 24 Vdc/2.5A output	<b>PSG60F</b>
Single-phase 100–240 Vac input, 24 Vdc/2.5A output	<b>PSG120E</b>
Three-phase 400–500 Vac input, 24 Vdc/2.5A output	<b>PSG120F</b>
Single-phase 100–240 Vac input, 24 Vdc/2.5A output	<b>PSG240E</b>
Three-phase 400–500 Vac input, 24 Vdc/2.5A output	<b>PSG240F</b>
Single-phase 100–240 Vac input, 24 Vdc/2.5A output	<b>PSG480E</b>
Three-phase 400–500 Vac input, 24 Vdc/2.5A output	<b>PSG480F</b>

## ELC Power Supplies



## Features

- Compact and low-cost source for 24 Vdc power
- Universal input voltage: 100–240 Vac
- Compact size, with common depth and height across models allows for common panel depths and family consistency
- Power On indication LED
- Integrated mounting hardware for panel mounting or DIN rail mounting

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## Product Selection

## ELC Power Supplies

## ELC

Description	Catalog Number
24W, 1A power supply	ELC-PS01
48W, 2A power supply	ELC-PS02

## Product Overview

### Power Distribution Blocks Selection Guide



Description	CHDB Series (Open Style) Page V9-T6-14	CHDB Series (Enclosed Style) Page V9-T6-14	CH160 Series Page V9-T6-15
UL listing	UL 1953 for feeder circuits	UL 1953 for feeder circuits	UL 1059 for branch circuits
Protection degree	N/A—covers available	IP20 finger-safe	N/A—covers available
Number of poles	3	1	1, 2 or 3
Maximum current	310A	570A	840A
High SCCR	Yes	Yes	No

## CHDB Series—Power Distribution Blocks, Enclosed and Open



## Features

- High short-circuit current rating (SCCR) applications up to 200,000 amperes
- 600 Vac or Vdc (UL 1953), 690 Vac or Vdc
- DIN rail or panel mount (CHDB330F is panel mount only)
- Captive termination screws prevent lost screws
- Single-pole, gang mountable for multi-pole applications
- UL listed 1953, guide QPQS, file E256146
- CSA certified, class 6228-01, file 15364 (enclosed style)
- CE component IEC 60947-7-1 (enclosed style)
- IEC 60529, IP20 (finger-safe) under specific wiring conditions (enclosed style)

## Product Selection

## CHDB Series—Power Distribution Blocks, Enclosed and Open

## CHDB Series

Line Connection	Load Connection	Configuration	Amperes	Style	Poles	Catalog Number
2/0–#8 AWG	(4) #4–#14 AWG		175	Open	3	<b>CHDB2203</b>
2/0–#8 AWG	(6) #4–#14 AWG		175	Open	3	<b>CHDB3213</b>
300 kcmil–#4 AWG	(6) #4–#12 AWG		310	Open	3	<b>CHDB3233</b>
300 kcmil–#4 AWG	(12) #4–#14 AWG		310	Open	3	<b>CHDB3703</b>
300 kcmil–#4 AWG	(6) #2–#12 AWG		310	Open	3	<b>CHDB3713</b>
	(3) 1/0–#12 AWG		310	Open	3	<b>CHDB3713</b>
2/0–#8 AWG	2/0–#8 AWG		175	Enclosed <sup>①</sup>	1	<b>CHDB204F</b>
500 kcmil–#6 AWG	(6) #2–#14 AWG		380	Enclosed <sup>①</sup>	1	<b>CHDB330F</b>
300 kcmil–#4 AWG	(12) #4–#14 AWG		570	Enclosed <sup>①</sup>	1	<b>CHDB377F</b>

**Note**

<sup>①</sup> Finger-safe.

**CH160 Series—Power Terminal Blocks****Features**

- Ratings to 840A, 600V
- Molded material, black; UL rated 94V-0 thermoplastic
- Operating temperature: 302°F (150°C)
- Optional cover
- UL recognized
- CSA certified

**Product Selection****CH160 Series—Power Terminal Blocks****CH160 Series**

Line Connection	Load Connection	Connector Material and Ampacity	Catalog Number <sup>①</sup>
<b>CH162 Series</b>			
#2-#14 Cu/#8 Al	#2-#14 Cu/#8 Al	Al 115A	<b>CH16200_</b>
1/0-#14 Cu	1/0-#14 Cu	Cu 150A	<b>CH16201_</b>
2/0-#8 Cu/Al	2/0-#8 Cu/Al	Al 175A	<b>CH16204_</b>
2/0-#14 Cu/#8 Al	(4) #4-#14 Cu/#8 Al	Al 175A	<b>CH16220_</b>
<b>CH163 Series</b>			
250 MCM-#6 Cu	250 MCM-#6 Cu	Cu 255A	<b>CH16301_</b>
350 MCM-#6 Cu/Al	350 MCM-#6 Cu/Al	Al 310A	<b>CH16303_</b>
500 MCM-#6 Cu/Al	500 MCM-#6 Cu/Al	Al 380A	<b>CH16306_</b>
2/0-#14 Cu/Al	(6) #4-#14 Cu/#8 Al	Al 175A	<b>CH16321_</b>
350 MCM-#6 Cu/Al	(6) #4-#14 Cu/#8 Al	Al 310A	<b>CH16323_</b>
(2) 2/0-#14 Cu/#8 Al	(6) #4-#14 Cu/#8 Al	Al 350A	<b>CH16325_</b>
500 MCM-#6 Cu/Al	(6) #2-#14 Cu/#8 Al	Al 380A	<b>CH16330_</b>
350 MCM-#6 Cu/Al	(3) #2-#14 Cu/#8 Al	Al 310A	<b>CH16332_</b>
	(2) 1/0-#14 Cu/#8 Al	Al 310A	<b>CH16332_</b>
350 MCM-#6 Cu/Al	(12) #4-#14 Cu/#8 Al	Al 310A	<b>CH16370_</b>
350 MCM-#6 Cu/Al	(6) #2-#14 Cu/#8 Al	Al 310A	<b>CH16371_</b>
	(3) 1/0-#14 Cu/#8 Al	Al 310A	<b>CH16371_</b>
350 MCM-#6 Cu/Al	(21) #10-#14 Cu/#10 Al	Al 310A	<b>CH16372_</b>
350 MCM-#6 Cu/Al	(3) 1/0-#14 Cu/#8 Al	Al 310A	<b>CH16373_</b>
	(14) #10-#14 Cu/#8 Al	Al 310A	<b>CH16373_</b>
600 MCM-#2 Cu/Al	(12) #4-#14 Cu/#8 Al	Al 420A	<b>CH16375_</b>
600 MCM-#2 Cu/Al	(6) #2-#14 Cu/#8 Al	Al 420A	<b>CH16376_</b>
	(3) 1/0-#14 Cu/#8 Al	Al 420A	<b>CH16376_</b>
<b>CH165 Series</b>			
(2) 350 MCM-4 Cu/Al	(2) 350 MCM-4 Cu/Al	Al 620A	<b>CH16500_</b>
(2) 500 MCM-#6 Cu/Al	(2) 500 MCM-#6 Cu/Al	Al 760A	<b>CH16504_</b>
(2) 600 MCM-#2 Cu/Al	(4) 3/0-#8 Cu/Al	Al 840A	<b>CH16528_</b>
	(4) #4-#14 Cu/#8 Al	Al 840A	<b>CH16528_</b>
(2) 500 MCM-#6 Cu/Al	(12) #4-#14 Cu/#8 Al	Al 760A	<b>CH16530_</b>

**Note**

- <sup>①</sup> Incomplete catalog number—add code suffix **-1**, **-2**, **-3** for number of poles.  
Example: For a 150A 1/0-#14 Cu to 1/0-#14 Cu three-pole PDB, order CH16201-3.

## Product Overview

### Terminal Blocks and Accessories Selection Guide



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Description	<b>XB Series IEC Terminal Blocks</b>
	<b>Page V9-T6-17</b>
Available connections	Screw terminal, spring cage, insulation displacement (IDC)
Insulation material	Polyamide 6.6
Dielectric strength	600 kV/cm
Creep resistance	600 CTI
Flammability rating	UL 94 V0
Continuous operating temperature	-40° to 257°F (-40° to 125°C)
UL recognized	Yes
CE approved	Yes
ATEX approved	Yes
Jumpers/bridging	Flexible jumper system with dual channel configurations



**XB Series IEC Terminal Blocks****Features**

- Maintenance-free connections
- Multi-conductor connections
- Flexible plug-in bridge system
- UL and cUL® recognized, CE approved
- LVD1 (Not all standards apply to all terminal blocks. Contact Eaton for details)
  - EN-60947-7-1; EN-60947-7-2; EN-60998-2-3; EN-60352-4/A1
- ATEX approval (EExe applications)

**Product Selection****XB Series IEC Terminal Blocks****Screw Connection Single Level—Through-Feed Terminal Blocks**

			5.2 mm	6.2 mm	8.2 mm
			12 AWG/2.5 mm <sup>2</sup>	10 AWG/4 mm <sup>2</sup>	8 AWG/6 mm <sup>2</sup>
			800/32/26-12	800/41/26-10	800/57/24-8
			750/22/28/26-12	750/30/38/26-10	750/40/50/24-8
			600/20/26-12	600/30/26-10	600/50/24-8
Terminal Width					
Maximum Wire Size					
IEC 60 947-7-1 in V/A/AWG					
EN 50 019 <sup>Ⓢ</sup> in V/A/AWG					
UL-cUL Ratings in V/A/AWG					
Description	Color	Number of Positions	Catalog Number	Catalog Number	Catalog Number
<b>Product Selection</b>					
Screw connection single level—through-feed	Gray	—	<b>XBUT25</b>	<b>XBUT4</b>	<b>XBUT6</b>
	Blue	—	<b>XBUT25BU</b>	<b>XBUT4BU</b>	<b>XBUT6BU</b>
	Orange	—	—	<b>XBUT4OR</b>	—
	Yellow	—	—	<b>XBUT4YE</b>	—
	Red	—	—	<b>XBUT4RD</b>	—
	White	—	—	<b>XBUT4WH</b>	—
	Black	—	—	<b>XBUT4BK</b>	—
	Green	—	—	<b>XBUT4GN</b>	—
<b>Accessories</b>					
End cover	Gray	—	<b>XBACUT10</b>	<b>XBACUT10</b>	<b>XBACUT10</b>
Partition plate	Gray	—	<b>XBATUT10</b>	<b>XBATUT10</b>	<b>XBATUT10</b>
Plug-in bridge—for cross connections in the bridge shaft	Red	2	<b>XBAFBS25</b>	<b>XBAFBS26</b>	<b>XBAFBS28</b>
		3	<b>XBAFBS35</b>	<b>XBAFBS36</b>	—
		5	<b>XBAFBS55</b>	<b>XBAFBS56</b>	—
		10	<b>XBAFBS105</b>	<b>XBAFBS106</b>	—
		50	<b>XBAFBS505</b>	<b>XBAFBS506</b>	—

**Note**

<sup>Ⓢ</sup> EU type—examination certificate number: KEMA 05ATEX2158 U.

## Screw Connection Single Level—Through-Feed Terminal Blocks, continued

Terminal Width			5.2 mm	6.2 mm	8.2 mm
Maximum Wire Size			12 AWG/2.5 mm <sup>2</sup>	10 AWG/4 mm <sup>2</sup>	8 AWG/6 mm <sup>2</sup>
IEC 60 947-7-1 in V/A/AWG			800/32/26-12	800/41/26-10	800/57/24-8
EN 50 019 <sup>①</sup> in V/A/AWG			750/22/28/26-12	750/30/38/26-10	750/40/50/24-8
UL-cUL Ratings in V/A/AWG			600/20/26-12	600/30/26-10	600/50/24-8
Description	Color	Number of Positions	Catalog Number	Catalog Number	Catalog Number
<b>Product Selection</b>					
Screw connection single level—through-feed	Gray	—	<b>XBUT10</b>	<b>XBUT16</b>	<b>XBUT35</b>
	Blue	—	<b>XBUT10BU</b>	<b>XBUT16BU</b>	<b>XBUT35BU</b>
	Orange	—	<b>XBUT10OR</b>	—	—
	Yellow	—	<b>XBUT10YE</b>	—	—
	Red	—	<b>XBUT10RD</b>	—	—
	White	—	—	—	—
	Black	—	—	—	—
	Green	—	—	—	—
<b>Accessories</b>					
End cover	Gray	—	<b>XBACUT10</b>	<b>XBACUT16</b>	②
Partition plate	Gray	—	<b>XBATUT10</b>	—	—
Plug-in bridge—for cross connections in the bridge shaft	Red	2	<b>XBAFBS210</b>	<b>XBAFBS212</b>	<b>XBAFBS216</b>
		3	—	—	—
		5	—	—	—
		10	—	—	—
		50	—	—	—

**Notes**

① EU type—examination certificate number: KEMA 05ATEX2158 U.

② XBUT35 has an enclosed design. The use of an end cover is not required.

## Screw Connection Single Level—Ground Blocks

Terminal Width Maximum Wire Size IEC 60 947-7-2 in V/A/AWG EN 50 019 <sup>①</sup> in V/A/AWG UL-cUL Ratings in V/A/AWG			10.2 mm 12 AWG/2.5 mm <sup>2</sup> —/—/26-12 —/—/26-12 —/—/26-12	6.2 mm 10 AWG/4 mm <sup>2</sup> —/—/26-10 —/—/26-10 —/—/26-10	8.2 mm 8 AWG/6 mm <sup>2</sup> —/—/24-8 —/—/24-8 —/—/24-8
Description	Color	Number of Positions	Catalog Number	Catalog Number	Catalog Number
<b>Product Selection</b>					
Screw connection single level ground block	Green/ yellow	—	<b>XBUT25PE</b>	<b>XBUT4PE</b>	<b>XBUT6PE</b>
<b>Accessories</b>					
End cover	Gray	—	<b>XBACUT10</b>	<b>XBACUT10</b>	<b>XBACUT10</b>
Partition plate	Gray	—	<b>XBATUT10</b>	<b>XBATUT10</b>	<b>XBATUT10</b>
Plug-in bridge—for cross connections in the bridge shaft	Red	2	<b>XBAFBS25</b>	<b>XBAFBS26</b>	<b>XBAFBS28</b>
		3	<b>XBAFBS35</b>	<b>XBAFBS36</b>	—
		5	<b>XBAFBS55</b>	<b>XBAFBS56</b>	—
		10	<b>XBAFBS105</b>	<b>XBAFBS106</b>	—
		50	<b>XBAFBS505</b>	<b>XBAFBS506</b>	—

## Screw Connection Single Level—Ground Blocks, continued

Terminal Width Maximum Wire Size IEC 60 947-7-2 in V/A/AWG EN 50 019 <sup>①</sup> in V/A/AWG UL-cUL Ratings in V/A/AWG			10.2 mm 12 AWG/2.5 mm <sup>2</sup> —/—/26-12 —/—/26-12 —/—/26-12	6.2 mm 10 AWG/4 mm <sup>2</sup> —/—/26-10 —/—/26-10 —/—/26-10	8.2 mm 8 AWG/6 mm <sup>2</sup> —/—/24-8 —/—/24-8 —/—/24-8
Description	Color	Number of Positions	Catalog Number	Catalog Number	Catalog Number
<b>Product Selection</b>					
Screw connection single level ground block	Green/ yellow	—	<b>XBUT10PE</b>	<b>XBUT16PE</b>	<b>XBUT35PE</b>
<b>Accessories</b>					
End cover	Gray	—	<b>XBACUT10</b>	<b>XBACUT16</b>	<sup>②</sup>
Partition plate	—	—	<b>XBATUT10</b>	—	—
Plug-in bridge—for cross connections in the bridge shaft	Red	2	<b>XBAFBS210</b>	<b>XBAFBS212</b>	<b>XBAFBS212</b>
		3	—	—	—
		5	—	—	—
		10	—	—	—
		50	—	—	—

**Notes**

<sup>①</sup> EU type—examination certificate number: KEMA 05ATEX2158 U.

<sup>②</sup> XBUT35PE has an enclosed design. The use of an end cover is not required.

## Screw Connection Multi-Conductor Terminal Blocks

Description	Color	Number of Positions	5.2 mm	6.2 mm
			12 AWG/2.5 mm <sup>2</sup> 500/28/26-12 150/20/26-12	10 AWG/4 mm <sup>2</sup> 500/39/26-10 150/30/26-10
Product Selection				
Screw connection multi-conductor	Gray	—	<b>XBUT25D12</b>	<b>XBUT4D12</b>
		—	<b>XBUT25D22</b>	<b>XBUT4D22</b>
	Blue	—	<b>XBUT25D12BU</b>	<b>XBUT4D12BU</b>
		—	<b>XBUT25D22BU</b>	<b>XBUT4D22BU</b>
Accessories				
End cover	Gray	—	<b>XBACUT4D12</b>	<b>XBACUT4D12</b>
		—	<b>XBACUT4D22</b>	<b>XBACUT4D22</b>
End cover segment	Gray	—	<b>XBASUT4</b>	<b>XBASUT4</b>
Partition plate		—	<b>XBATUTD12</b>	<b>XBATUTD12</b>
		—	<b>XBATUTD22</b>	<b>XBATUTD22</b>
Plug-in bridge—for cross connections in the bridge shaft	Red	2	<b>XBAFBS25</b>	<b>XBAFBS26</b>
		3	<b>XBAFBS35</b>	<b>XBAFBS36</b>
		5	<b>XBAFBS55</b>	<b>XBAFBS56</b>
		10	<b>XBAFBS105</b>	<b>XBAFBS106</b>
		50	<b>XBAFBS505</b>	<b>XBAFBS506</b>

## Screw Connection Multi-Conductor Ground Blocks

Description	Color	Number of Positions	5.2 mm	6.2 mm
			12 AWG/2.5 mm <sup>2</sup> —/—/26-12 —/—/26-12	10 AWG/4 mm <sup>2</sup> —/—/26-10 —/—/26-10
Product Selection				
Screw connection multi-conductor ground block	Green/ yellow	—	<b>XBUT25D12PE</b>	<b>XBUT4D12PE</b>
		—	<b>XBUT25D22PE</b>	<b>XBUT4D22PE</b>
Accessories				
End cover	Gray	—	<b>XBACUT4D12</b>	<b>XBACUT4D12</b>
		—	<b>XBACUT4D22</b>	<b>XBACUT4D22</b>
End cover segment	Gray	—	<b>XBASUT4</b>	<b>XBASUT4</b>
Partition plate		—	<b>XBATUTD12</b>	<b>XBATUTD12</b>
Plug-in bridge—for cross connections in the bridge shaft	Red	2	<b>XBAFBS25</b>	<b>XBAFBS26</b>
		3	<b>XBAFBS35</b>	<b>XBAFBS36</b>
		5	<b>XBAFBS55</b>	<b>XBAFBS56</b>
		10	<b>XBAFBS105</b>	<b>XBAFBS106</b>
		50	<b>XBAFBS505</b>	<b>XBAFBS506</b>

## Screw Connection Double Level Terminal Blocks

Terminal Width Maximum Wire Size IEC 60 947-7-1 in V/A/AWG UL-cUL Ratings in V/A/AWG			6.2 mm 10 AWG/4 mm <sup>2</sup> 800/36/26-10 300/30/26-10	6.2 mm 10 AWG/4 mm <sup>2</sup> —/—/26-10 —/—/26-10
Description	Color	Number of Positions	Catalog Number	Catalog Number
<b>Product Selection</b>				
Screw connection double level	Gray	—	<b>XBUTT4</b>	—
	Blue	—	<b>XBUTT4BU</b>	—
	Red	—	<b>XBUTT4RD</b>	—
Screw connection double level—terminal block with potential distribution between the levels	Gray	—	<b>XBUTT4PV</b>	—
Screw connection double level—ground block	Green/ yellow	—	—	<b>XBUTT4PE</b>
<b>Accessories</b>				
End cover	Gray	—	<b>XBACUTT4</b>	<b>XBACUTT4</b>
Spacer plate	Gray	—	<b>XBDPUTT4</b>	<b>XBDPUTT4</b>
Partition plate	—	—	<b>XBATUTT4</b>	<b>XBATUTT4</b>
Plug-in bridge—for cross connections in the bridge shaft	Red	2	<b>XBAFBS26</b>	<b>XBAFBS26</b>
		3	<b>XBAFBS36</b>	<b>XBAFBS36</b>
		5	<b>XBAFBS56</b>	<b>XBAFBS56</b>
		10	<b>XBAFBS106</b>	<b>XBAFBS106</b>
		50	<b>XBAFBS506</b>	<b>XBAFBS506</b>

## Screw Connection Triple Level Sensor/Actuator Terminal Blocks

Terminal Width Maximum Wire Size Connection Data in V/A/AWG IEC 60 947-7-1 in V/A/AWG UL-cUL Ratings in V/A/AWG			6.2 mm 14 AWG/2.5 mm <sup>2</sup> 250/26/24-12 — 300/15/30-14	6.2 mm 14 AWG/2.5 mm <sup>2</sup> — 250/30/24-12 300/15/30-14
Description	Color	Number of Positions	Catalog Number	Catalog Number
<b>Product Selection</b>				
Screw connection triple level	Gray blue	—	<b>XB3UKA25</b>	<b>XB3UKF25</b>
Screw connection triple level w/red LED, 15–30 Vdc, 2.5–7.5A	Gray	—	<b>XB3UKA25L24</b>	—
Screw connection with ground connection	Gray	—	<b>XB3UKA24PE</b>	<b>XB3UKF24PE</b>
Screw connection with ground connection and LED indicator	Gray	—	<b>XB3UKA24PEL24</b>	—
<b>Accessories</b>				
Insertion bridge	Blue	80	<b>XBAEB80DIKB</b>	<b>XBAEB80DIKB</b>
	Red	80	<b>XBAEB80DIKR</b>	<b>XBAEB80DIKR</b>
	Blue	10	<b>XBAEB10DIKB</b>	<b>XBAEB10DIKB</b>
	Red	10	<b>XBAEB10DIKR</b>	<b>XBAEB10DIKR</b>
Blank marker strip (strip of 10)	White	—	<b>XBMZB6</b> ①	<b>XBMZB6</b> ①

**Note**

① For information on Printed Marking Tag Options, see **Page V9-T6-33**.

## Screw Connection Fuse Terminal Blocks

## Terminal Width

## Maximum Wire Size

IEC 60 947-7-3 in V/A/AWG

IEC 60 947-7-3 as Disconnected Terminal Block in V/A/AWG

UL-cUL Ratings in V/A/AWG

## Description

## Color

## Number of Positions

6.2 mm

10 AWG/4 mm<sup>2</sup>

①/6.3/26-10

600/6.3/26-10

Catalog Number

8.2 mm

8 AWG/6 mm<sup>2</sup>

①/10/24-8

400/10/24-8

Catalog Number

12 mm

6 AWG/16 mm<sup>2</sup>

②/3/20-4

800/10/20-6

300/20/22-6

Catalog Number

## Product Selection

Description	Color	Number of Positions	6.2 mm 10 AWG/4 mm <sup>2</sup> ①/6.3/26-10 600/6.3/26-10 Catalog Number	8.2 mm 8 AWG/6 mm <sup>2</sup> ①/10/24-8 400/10/24-8 Catalog Number	12 mm 6 AWG/16 mm <sup>2</sup> ②/3/20-4 800/10/20-6 300/20/22-6 Catalog Number
Fuse terminal block for 5 x 20 mm fuse	Black	—	<b>XBUT4FBE</b>	—	<b>XBUK10FBCE</b>
Fuse terminal block for 6.3 x 32 mm (1/4 x 1-1/4 in) fuse	Black	—	—	<b>XBUT6FBN</b>	<b>XBUK10FBCN</b>
Fuse terminal block w/LED 12–30V, 1–2.5 mA	Black	—	<b>XBUT4FBEL24</b>	<b>XBUT6FBNL24</b>	—
Fuse terminal block w/LED 30–60V, 0.8–2.0 mA	Black	—	<b>XBUT4FBEL60</b>	<b>XBUT6FBNL60</b>	—
Fuse terminal block w/LED 110–250V, 0.5–2.5 mA	Black	—	<b>XBUT4FBEL250</b>	<b>XBUT6FBNL250</b>	—
Fuse terminal block w/LED 15–30V, 1–2.5 mA, 5 x 20 mm	Black	—	—	—	<b>XBUK10FBCEL24</b>
Fuse terminal block w/LED 15–30V, 1–2.5 mA, 6.3 x 32 mm	Black	—	—	—	<b>XBUK10FBCNL24</b>
Fuse terminal block w/LED 110–250V, 0.5–1.1A, 5 x 20 mm	Black	—	—	—	<b>XBUK10FBCEL250</b>
Fuse terminal block w/LED 110–250V, 0.5–1.1A, 6.3 x 32 mm	Black	—	—	—	<b>XBUK10FBCNL250</b>

## Accessories

End cover	—	—	③	③	—
Plug-in bridge—for cross connections in the bridge shaft	Red	2	<b>XBAFBS26</b>	<b>XBAFBS28</b>	—
		3	<b>XBAFBS36</b>	<b>XBAFBS38</b>	—
		5	<b>XBAFBS56</b>	<b>XBAFBS58</b>	—
		10	<b>XBAFBS106</b>	<b>XBAFBS108</b>	—
		50	<b>XBAFBS506</b>	<b>XBAFBS508</b>	—

## Notes

Max. power dissipation at 23°C (based on DIN EN 60 947-7-3: 2003-7. When selecting cartridge fuse inserts, please ensure that the maximum power dissipation specified above is not exceeded. Details can be obtained from the fuse suppliers. Cartridge fuse inserts 5 x 20 mm based on DIN EN 60 947-7-3: 2003-7.

Terminal Block	U (V)	Overload Protection		I <sub>max</sub> . (A)
		Individual	Interconnected	
<b>XBUT4FBE</b>	250	1.6W	1.6W	6.3

If the fuse is defective, the downstream circuit is not off load.

- ① As disconnect terminal block 400V, as fuse terminal block 250V.
- ② The current is determined by the fuse used, the voltage by the selected light indicator.
- ③ XBUT4FBE and XBUT6FBN have an enclosed design. The use of an end cover is not required.

## Spring Cage Single Level—Through-Feed Terminal Blocks

Terminal Width Maximum Wire Size IEC 60 947-7-1 in V/A/AWG EN 50 019 <sup>①</sup> in V/A/AWG UL-cUL Ratings in V/A/AWG			5.2 mm 12 AWG/2.5 mm <sup>2</sup> 800/31/28-12 550/25/21/24-12 600/20/26-12	6.2 mm 10 AWG/4 mm <sup>2</sup> 800/40/28-10 550/34/30/24-10 600/30/20-10	8.2 mm 8 AWG/6 mm <sup>2</sup> 800/52/24-8 550/45/36/20-8 600/50/20-8
Description	Color	Number of Positions	Catalog Number	Catalog Number	Catalog Number
<b>Product Selection</b>					
Spring cage single level—through-feed	Gray	—	<b>XBPT25</b>	<b>XBPT4</b>	<b>XBPT6</b>
	Blue	—	<b>XBPT25BU</b>	<b>XBPT4BU</b>	<b>XBPT6BU</b>
	White	—	<b>XBPT25WH</b>	—	—
	Red	—	<b>XBPT25RD</b>	—	—
	Black	—	<b>XBPT25BK</b>	—	—
<b>Accessories</b>					
End cover	Gray	—	<b>XBACPT25</b>	<b>XBACPT4</b>	<b>XBACPT6</b>
Partition plate	—	—	<b>XBATPT4</b>	<b>XBATPT4</b>	<b>XBATPT6</b>
Plug-in bridge—for cross connections in the terminal center	Red	2	<b>XBAFBS25</b>	<b>XBAFBS26</b>	<b>XBAFBS28</b>
		3	<b>XBAFBS35</b>	<b>XBAFBS36</b>	—
		5	<b>XBAFBS55</b>	<b>XBAFBS56</b>	—
		10	<b>XBAFBS105</b>	<b>XBAFBS106</b>	—
		50	<b>XBAFBS505</b>	<b>XBAFBS506</b>	—

## Spring Cage Single Level—Through-Feed Terminal Blocks, continued

Terminal Width Maximum Wire Size IEC 60 947-7-1 in V/A/AWG EN 50 019 <sup>①</sup> in V/A/AWG UL-cUL Ratings in V/A/AWG			10.2 mm 6 AWG/10 mm <sup>2</sup> 800/65/24-6 550/50/63/16-6 600/65/16-6	12 mm 4 AWG/16 mm <sup>2</sup> 800/90/24-4 550/65/82/16-4 600/50/16-4	16 mm 2 AWG/35 mm <sup>2</sup> 800/125/14-2 750/108/14-2 600/115/14-2
Description	Color	Number of Positions	Catalog Number	Catalog Number	Catalog Number
<b>Product Selection</b>					
Spring cage single level—through-feed	Gray	—	<b>XBPT10</b>	<b>XBPT16</b>	<b>XBPT35</b>
	Blue	—	<b>XBPT10BU</b>	<b>XBPT16BU</b>	<b>XBPT35BU</b>
	White	—	—	—	—
	Red	—	—	—	—
	Black	—	—	—	—
<b>Accessories</b>					
End cover	Gray	—	<b>XBACPT10</b>	<b>XBACPT16</b>	②
Partition plate	—	—	—	—	—
Plug-in bridge—for cross connections in the terminal center	Red	2	<b>XBAFBS210</b>	<b>XBAFBS212</b>	<b>XBAFBS216</b>
		3	—	—	—
		5	—	—	—
		10	—	—	—
		50	—	—	—

**Notes**

① EU type—examination certificate number: KEMA 05ATEX2154 U (XBPT25), KEMA 05ATEX2155 U (XBPT4), KEMA 05ATEX2155 U (XBPT6), KEMA 05ATEX2156 U (XBPT10).

② XBPT35 has an enclosed design. The use of an end cover is not required.

## Screw Connection Single Level—Ground Blocks

Terminal Width			5.2 mm	6.2 mm	8.2 mm
Maximum Wire Size			12 AWG/2.5 mm <sup>2</sup>	10 AWG/4 mm <sup>2</sup>	8 AWG/6 mm <sup>2</sup>
IEC 60 947-7-2 in V/A/AWG			—/—/28-12	—/—/28-10	—/—/24-8
EN 50 019 <sup>①</sup> in V/A/AWG			—/—/24-12	—/—/24-10	—/—/20-8
UL-cUL Ratings in V/A/AWG			—/—/26-12	—/—/20-10	—/—/20-8
Description	Color	Number of Positions	Catalog Number	Catalog Number	Catalog Number
<b>Product Selection</b>					
Spring cage single level ground block	Green/ yellow	—	<b>XBPT25PE</b>	<b>XBPT4PE</b>	<b>XBPT6PE</b>
<b>Accessories</b>					
End cover	Gray	—	<b>XBACPT25</b>	<b>XBACPT4</b>	<b>XBACPT6</b>
Plug-in bridge—for cross connections in the terminal center	—	2	—	—	—

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## Screw Connection Single Level—Ground Blocks, continued

Terminal Width			10.2 mm	12 mm	16 mm
Maximum Wire Size			6 AWG/10 mm <sup>2</sup>	4 AWG/16 mm <sup>2</sup>	2 AWG/35 mm <sup>2</sup>
IEC 60 947-7-2 in V/A/AWG			—/65/24-6	—/90/24-4	—/125/14-2
EN 50 019 <sup>①</sup> in V/A/AWG			—/—/16-6	—/—/16-4	—/—/14-2
UL-cUL Ratings in V/A/AWG			—/—/16-6	—/—/16-4	—/—/14-2
Description	Color	Number of Positions	Catalog Number	Catalog Number	Catalog Number
<b>Product Selection</b>					
Spring cage single level ground block	Green/ yellow	—	<b>XBPT10PE</b>	<b>XBPT16PE</b>	<b>XBPT35PE</b>
<b>Accessories</b>					
End cover	Gray	—	<b>XBACPT10</b>	<b>XBACPT16</b>	<sup>②</sup>
Plug-in Bridge — for cross connections in the terminal center	—	2	<b>XBAFBS210</b>	<b>XBAFBS212</b>	<b>XBAFBS216</b>

**Notes**

- <sup>①</sup> EU type—examination certificate number: KEMA 05ATEX2154 U (XBPT25PE), KEMA 05ATEX2155 U (XBPT4PE, XBPT6PE), KEMA 05ATEX2156 U (9XBPT10PE).  
<sup>②</sup> XBPT35PE has an enclosed design. The use of an end cover is not required.



## Spring Cage Multi-Conductor Terminal Blocks

Description	Color	Number of Positions	5.2 mm	6.2 mm
			12 AWG/2.5 mm <sup>2</sup>	10 AWG/4 mm <sup>2</sup>
			800/28/28-12	800/40/28-10
			550/25/21/24-12	550/34/29/24-10
			600/20/26-12	600/30/20-10
Description	Color	Number of Positions	Catalog Number	Catalog Number
<b>Product Selection</b>				
Spring cage multi-conductor	Gray	—	<b>XBPT25D12</b>	<b>XBPT4D12</b>
		—	<b>XBPT25D22</b>	<b>XBPT4D22</b>
	Blue	—	<b>XBPT25D12BU</b>	<b>XBPT4D12BU</b>
		—	<b>XBPT25D22BU</b>	<b>XBPT4D22BU</b>
Spring cage multi-conductor with interrupted busbar	Gray	—	<b>XBPT25D22U</b>	<b>XBPT4D22U</b>
<b>Accessories</b>				
End cover	Gray	—	<b>XBACPT25D12</b>	<b>XBACPT4D12</b>
	—	—	<b>XBACPT24D22</b>	<b>XBACPT4D22</b>
End cover segment	Gray	—	<b>XBASPT25</b>	<b>XBASPT4</b>
Partition plate			<b>XBATPTD12</b>	<b>XBATPTD12</b>
			<b>XBATPTD22</b>	<b>XBATPTD22</b>
Plug-in bridge—for cross connections in the terminal center	Red	2	<b>XBAFBS25</b>	<b>XBAFBS26</b>
		3	<b>XBAFBS35</b>	<b>XBAFBS36</b>
		5	<b>XBAFBS55</b>	<b>XBAFBS56</b>
		10	<b>XBAFBS105</b>	<b>XBAFBS106</b>
		50	<b>XBAFBS505</b>	<b>XBAFBS506</b>

## Spring Cage Multi-Conductor Ground Blocks

Description	Color	Number of Positions	5.2 mm	6.2 mm
			12 AWG/2.5 mm <sup>2</sup>	10 AWG/4 mm <sup>2</sup>
			—/—/28-12	—/—/28-10
			—/—/24-12	—/—/24-10
			—/—/26-12	—/—/20-10
Description	Color	Number of Positions	Catalog Number	Catalog Number
<b>Product Selection</b>				
Spring cage multi-conductor ground block	Green/yellow	—	<b>XBPT25D12PE</b>	<b>XBPT4D12PE</b>
		—	<b>XBPT25D22PE</b>	<b>XBPT4D22PE</b>
<b>Accessories</b>				
End cover	Gray	—	<b>XBACPT25D12</b>	<b>XBACPT4D12</b>
		—	<b>XBACPT25D22</b>	<b>XBACPT4D22</b>
End cover segment	Gray	—	<b>XBASPT25</b>	<b>XBASPT4</b>

**Note**

Ⓢ EU type—examination certificate number: KEMA 05ATEX2154 U (XBPT25D12, XBPT25D22), KEMA 05ATEX2155 U (XBPT4D12, XBPT4D22).

## Spring Cage Double Level Blocks

Description	Color	Number of Positions	5.2 mm	6.2 mm
			12 AWG/2.5 mm <sup>2</sup>	10 AWG/4 mm <sup>2</sup>
<b>Terminal Width</b>				
<b>Maximum Wire Size</b>				
IEC 60 947-7-1 in V/A/AWG				
EN 50 019 <sup>①</sup> in V/A/AWG				
<b>UL-cUL Ratings in V/A/AWG</b>				
			500/26/28-12	500/32/28-10
			420/23/19/24-12	420/32/27/24-10
			600/20/26-12	300/30/20-10
			<b>Catalog Number</b>	<b>Catalog Number</b>
<b>Product Selection</b>				
Spring cage double level block	Gray	—	<b>XBPTT25</b>	<b>XBPTT4</b>
	Blue	—	<b>XBPTT25BU</b>	<b>XBPTT4BU</b>
Spring cage double level ground block	Green/ yellow	—	<b>XBPTT25PE</b>	<b>XBPTT4PE</b>
Spring cage double level—terminal block with potential distribution between the levels	Gray	—	<b>XBPTT25PV</b>	<b>XBPTT4PV</b>
<b>Accessories</b>				
End cover	Gray	—	<b>XBACPTT25</b>	<b>XBACPTT4</b>
Partition plate	—	—	<b>XBATPTT4</b>	<b>XBATPTT4</b>
Plug-in bridge—for cross connections in the terminal center	Red	2	<b>XBAFBS25</b>	<b>XBAFBS26</b>
		3	<b>XBAFBS35</b>	<b>XBAFBS36</b>
		5	<b>XBAFBS55</b>	<b>XBAFBS56</b>
		10	<b>XBAFBS105</b>	<b>XBAFBS106</b>
		50	<b>XBAFBS505</b>	<b>XBAFBS506</b>

## Spring Cage Triple Level Blocks

Description	Color	Number of Positions	5.2 mm
			12 AWG/2.5 mm <sup>2</sup>
<b>Terminal Width</b>			
<b>Maximum Wire Size</b>			
IEC 60 947-7-1 in V/A/AWG			
UL-cUL Ratings in V/A/AWG			
			500/28/28-12
			600/20/26-12
			<b>Catalog Number</b>
<b>Product Selection</b>			
Spring cage triple level block	Gray	—	<b>XBPTK25</b>
Spring cage triple level—terminal block with potential distribution between the levels	Gray	—	<b>XBPTK25PV</b>
<b>Accessories</b>			
End cover	Gray	—	<b>XBACPT25K</b>
Plug-in bridge—for cross connections in the terminal center	Red	2	<b>XBAFBS25</b>
		3	<b>XBAFBS35</b>
		5	<b>XBAFBS55</b>
		10	<b>XBAFBS105</b>
		50	<b>XBAFBS505</b>

**Note**

<sup>①</sup> EU type—examination certificate number: KEMA 05ATEX2154 U (XBPTT25, XBPTT25PE), KEMA 05ATEX2155 U (XBPTT4, XBPTT4PE).

## Spring Cage Fuse Terminal Block

## Terminal Width

## Maximum Wire Size

IEC 60 947-7-3 with Fuse in V/A/AWG

IEC 60 947-7-3 as Disconnect Terminal Block in V/A/AWG

UL-cUL Ratings in V/A/AWG

Description	Color	Number of Positions	6.2 mm	8.2 mm
			10 AWG/4 mm <sup>2</sup> ①/③/28-10 250/6.3/28-10 300/6.3/24-10	10 AWG/4 mm <sup>2</sup> 400/10/28-10 400/10/28-10 300/10/24-10
Product Selection				
Fuse terminal block for 5 x 20 mm fuse	Black	—	<b>XBPT4FBE</b>	—
Fuse terminal block w/LED 15–30V, 3.5–8.1A	Black	—	<b>XBPT4FBEL24</b>	—
Fuse terminal block w/LED 30–60V, 0.8–2.0A	Black	—	<b>XBPT4FBEL60</b>	—
Fuse terminal block w/LED 110–250V, 0.5–1.0A	Black	—	<b>XBPT4FBEL250</b>	—
Fuse terminal block for 6.3 x 32 mm (1/4 x 1-1/4 in) fuse	Black	—	—	<b>XBPT4FBN</b>
Fuse terminal block w/LED 12–30V, 1.0–2.5 mA	Black	—	—	<b>XBPT4FBNL24</b>
Fuse terminal block w/LED 110–250V, 0.5–2.5 mA	Black	—	—	<b>XBPT4FBNL250</b>
Accessories				
Partition plate	—	—	<b>XBATPT4</b>	<b>XBATQTD12</b>
Plug-in bridge—for cross connections in the terminal center	Red	2	<b>XBAFBS26</b>	<b>XBAFBS28</b>
		3	<b>XBAFBS36</b>	—
		5	<b>XBAFBS56</b>	—
		10	<b>XBAFBS106</b>	—

## Notes

The cartridge fuse holders should be selected according to the maximum power dissipation (self-heating) of the cartridge fuse inserts. The thermal conditions in closed fuse holes should be checked according to the application and installation. Higher ambient temperatures are an additional strain on fuse inserts. In applications of this kind, the shift of the rated current should be taken into consideration accordingly. Max. power dissipation at 23°C (in acc. with IEC 60 947-7-3). When selecting cartridge fuse inserts, please ensure that the maximum power dissipation specified at right is not exceeded. Details can be obtained from the fuse suppliers. Cartridge fuse inserts 5 x 20 and 6.3 x 32 mm in acc. with IEC 60 947-7-3.

Terminal Block	U (V)	Individual	Interconnected
Overload Protection			
XBPT4FBN	400	1.6W	1.6W
XBPT4FBE	250	1.6W	1.6W
Short Circuit Protection Only			
XBPT4FBN	400	4W	2.5W
XBPT4FBE	250	4W	2.5W

① The current is determined by the fuse used, the voltage by the selected light indicator. See table above.

## Insulation Displacement Connection—Single Level Terminal Blocks

Terminal Width	5.2 mm	5.2 mm	6.2 mm	6.2 mm		
Maximum Wire Size	16 AWG/1.5 mm <sup>2</sup>	16 AWG/1.5 mm <sup>2</sup>	14 AWG/2.5 mm <sup>2</sup>	14 AWG/2.5 mm <sup>2</sup>		
Connection Data in V/A/AWG	800/17.5/24-16	—/—/24-16	800/24/20-14	—/—/20-14		
EN 50 019 <sup>Ⓢ</sup> in V/A/AWG	550/16/24-16	—/—/24-16	—	—		
UL-cUL Ratings in V/A/AWG	600/10/24-16	—/—/24-16	600/15/20-14	—/—/20-14		
Description	Color	Number of Positions	Catalog Number	Catalog Number	Catalog Number	Catalog Number
<b>Product Selection</b>						
IDC terminal block—single level	Gray	—	<b>XBQT15</b>	—	<b>XBQT25</b>	—
	Blue	—	<b>XBQT15BU</b>	—	<b>XBQT25BU</b>	—
IDC ground block—single level	Green/ yellow	—	—	<b>XBQT15PE</b>	—	<b>XBQT25PE</b>
<b>Accessories</b>						
End cover	Gray	—	<b>XBACQT15</b>	<b>XBACQT15</b>	<b>XBACQT25</b>	<b>XBACQT25</b>
Partition plate	—	—	<b>XBATQT25</b>	<b>XBATQT25</b>	<b>XBATQT25</b>	<b>XBATQT25</b>
Plug-in bridge	Red	2	<b>XBAFBS25</b>	<b>XBAFBS25</b>	<b>XBAFBS26</b>	<b>XBAFBS26</b>
		3	<b>XBAFBS35</b>	<b>XBAFBS35</b>	<b>XBAFBS36</b>	<b>XBAFBS36</b>
		5	<b>XBAFBS55</b>	<b>XBAFBS55</b>	<b>XBAFBS56</b>	<b>XBAFBS56</b>
		10	<b>XBAFBS105</b>	<b>XBAFBS105</b>	<b>XBAFBS106</b>	<b>XBAFBS106</b>
		50	<b>XBAFBS505</b>	<b>XBAFBS505</b>	<b>XBAFBS506</b>	<b>XBAFBS506</b>

## Insulation Displacement Connection—Multi-Conductor

Terminal Width	5.2 mm	5.2 mm	6.2 mm	6.2 mm		
Maximum Wire Size	16 AWG/1.5 mm <sup>2</sup>	16 AWG/1.5 mm <sup>2</sup>	14 AWG/2.5 mm <sup>2</sup>	14 AWG/2.5 mm <sup>2</sup>		
Connection Data in V/A/AWG	800/17.5/24-16	—/—/24-16	800/24/20-14	—/—/20-14		
EN 50 019 <sup>Ⓢ</sup> in V/A/AWG	550/16/24-16	—/—/24-16	—	—		
UL-cUL Ratings in V/A/AWG	600/10/24-16	—/—/24-16	600/15/20-14	—/—/20-14		
Description	Color	Number of Positions	Catalog Number	Catalog Number	Catalog Number	Catalog Number
<b>Product Selection</b>						
IDC terminal block—multi-conductor	Gray	—	<b>XBQT15D12</b>	—	<b>XBQT25D12</b>	—
		—	<b>XBQT15D22</b>	—	<b>XBQT25D12BU</b>	—
	Blue	—	<b>XBQT15D12BU</b>	—	—	—
		—	<b>XBQT15D22BU</b>	—	—	—
IDC ground block—multi-conductor	Green/ yellow	—	—	<b>XBQT15D12PE</b>	—	<b>XBQT25D12PE</b>
		—	—	<b>XBQT15D22PE</b>	—	—
<b>Accessories</b>						
End cover	Gray	—	<b>XBACQT15D12</b>	<b>XBACQT15D12</b>	<b>XBACQT25D12</b>	<b>XBACQT25D12</b>
		—	<b>XBACQT15D22</b>	<b>XBACQT15D22</b>	—	—
End cover segment	Gray	—	<b>XBASQT15</b>	<b>XBASQT15</b>	<b>XBASQT25</b>	<b>XBASQT25</b>
Partition plate		—	<b>XBATQTD12</b>	<b>XBATQTD12</b>	<b>XBATQTD12</b>	<b>XBATQTD12</b>
		—	<b>XBATQTD22</b>	<b>XBATQTD22</b>	—	—
Plug-in bridge	Red	2	<b>XBAFBS25</b>	<b>XBAFBS25</b>	<b>XBAFBS26</b>	<b>XBAFBS26</b>
		3	<b>XBAFBS35</b>	<b>XBAFBS35</b>	<b>XBAFBS36</b>	<b>XBAFBS36</b>
		5	<b>XBAFBS55</b>	<b>XBAFBS55</b>	<b>XBAFBS56</b>	<b>XBAFBS56</b>
		10	<b>XBAFBS105</b>	<b>XBAFBS105</b>	<b>XBAFBS106</b>	<b>XBAFBS106</b>
		50	<b>XBAFBS505</b>	<b>XBAFBS505</b>	<b>XBAFBS506</b>	<b>XBAFBS506</b>

**Note**

<sup>Ⓢ</sup> EU type—examination certificate number: KEMA 05ATEX2157 U (XBQT15, XBQT15PE), KEMA 05ATEX2160 U (XBQT25, XBQT25PE).

## Insulation Displacement Connection—Double Level

Terminal Width	5.2 mm	5.2 mm		
Maximum Wire Size	16 AWG/1.5 mm <sup>2</sup>	16 AWG/1.5 mm <sup>2</sup>		
Connection Data in V/A/AWG	800/17.5/24-16	—/—/24-16		
EN 50 019 <sup>①</sup> in V/A/AWG	420/15/24-16	—/—/24-16		
UL-cUL Ratings in V/A/AWG	600/10/24-16	—/—/24-16		
Description	Color	Number of Positions	Catalog Number	Catalog Number
<b>Product Selection</b>				
IDC terminal block—double level	Gray	—	<b>XBQTT15</b>	—
	Blue	—	<b>XBQTT15BU</b>	—
IDC ground block—double level	Green/ yellow	—	—	<b>XBQTT15PE</b>
<b>Accessories</b>				
End cover	Gray	—	<b>XBACQTT15</b>	<b>XBACQTT15</b>
Partition plate	—	—	<b>XBATQTT15</b>	<b>XBATQTT15</b>
Plug-in bridge	Red	2	<b>XBAFBS25</b>	<b>XBAFBS25</b>
		3	<b>XBAFBS35</b>	<b>XBAFBS35</b>
		5	<b>XBAFBS55</b>	<b>XBAFBS55</b>
		10	<b>XBAFBS105</b>	<b>XBAFBS105</b>
		20	<b>XBAFBS505</b>	<b>XBAFBS505</b>

## Insulation Displacement Connection Fuse Terminal Blocks

Terminal Width	6.2 mm		
Maximum Wire Size	14 AWG/2.5 mm <sup>2</sup>		
Connection Data in V/A/AWG	②/6.3/20-14		
UL-cUL Ratings in V/A/AWG	300/15/20-14		
Description	Color	Number of Positions	Catalog Number
<b>Product Selection</b>			
IDC fuse terminal block	Black	—	<b>XBQT25FBE</b>
		With LED 12–30V, 1–2.5 mA	<b>XBQT25FBEL24</b>
		With LED 30–60V, 0.8–2.0 mA	<b>XBQT25FBEL60</b>
		With LED 110–250, 0.5–2.5 mA	<b>XBQT25FBEL250</b>
<b>Accessories</b>			
End cover	Gray	—	<b>XBACQT25D12</b>
Partition plate	—	—	<b>XBATQTD12</b>
Plug-in bridge	Red	2	<b>XBAFBS26</b>
		3	<b>XBAFBS36</b>
		5	<b>XBAFBS56</b>
		10	<b>XBAFBS106</b>

**Notes**

① EU type—examination certificate number: KEEMA 05ATEX2157 U.

② As disconnect terminal block, 400V; as fuse terminal block, 250V.

## Insulation Displacement Connection Disconnect and Component Terminal Blocks

Terminal Width	5.2 mm	5.2 mm		
Maximum Wire Size	16 AWG/1.5 mm <sup>2</sup>	16 AWG/1.5 mm <sup>2</sup>		
Connection Data in V/A/AWG	400/16/24-16	400/16/24-16		
UL-cUL Ratings in V/A/AWG	600/10/24-16	600/10/24-16		
Description	Color	Number of Positions	Catalog Number	Catalog Number
<b>Product Selection</b>				
IDC disconnect and component terminal block	Gray	—	<b>XBQT15MT</b>	<b>XBQT15TG</b>
<b>Accessories</b>				
End cover	Gray	—	<b>XBACQT15D12</b>	<b>XBACQT15D12</b>
End cover segment	Gray	—	<b>XBASQT15</b>	<b>XBASQT15</b>
Partition plate	—	—	<b>XBATQTD12</b>	<b>XBATQTD12</b>
Plug-in bridge	Red	2	<b>XBAFBS25</b>	<b>XBAFBS25</b>
		3	<b>XBAFBS35</b>	<b>XBAFBS35</b>
		5	<b>XBAFBS55</b>	<b>XBAFBS55</b>
		10	<b>XBAFBS105</b>	<b>XBAFBS105</b>
Component plug	Gray	—	—	<b>XBPCO</b>
Fuse plug	Black	—	—	<b>XBPFU</b>
Fuse plug with light indicator for 12–30V	Black	—	—	<b>XBPFUL24</b>
Fuse plug with light indicator for 110–250V	Black	—	—	<b>XBPFUL250</b>

## Miniature Circuit Breakers

Connection Data in Vac/Vdc	250/65		
Description	Color	Number of Positions	Catalog Number
<b>Product Selection</b>			
Thermal miniature circuit breaker			
Nominal current 0.1A	Black	—	<b>XBATCPT</b>
Nominal current 0.25A	Black	—	<b>XBATCPQ</b>
Nominal current 0.5A	Black	—	<b>XBATCPH</b>
Nominal current 1.0A	Black	—	<b>XBATCP1</b>
Nominal current 2.0A	Black	—	<b>XBATCP2</b>
Nominal current 3.0A	Black	—	<b>XBATCP3</b>
Nominal current 4.0A	Black	—	<b>XBATCP4</b>
Nominal current 6.0A	Black	—	<b>XBATCP6</b>
Nominal current 8.0A	Black	—	<b>XBATCP8</b>
Nominal current 10.0A	Black	—	<b>XBATCP10</b>

### Flat-Type Fuse Terminal Blocks

			8.2 mm	8.2 mm
Terminal Width			8 AWG/6 mm <sup>2</sup>	8 AWG/6 mm <sup>2</sup>
Maximum Wire Size			250/—/24-8	250/—/24-8
Connection Data in V/A/AWG			300/30/26-8	300/30/26-8
UL-cUL Ratings in V/A/AWG				
Description	Color	Number of Positions	Catalog Number	Catalog Number
<b>Product Selection</b>				
Flat-type fuse terminal block	Black	—	<b>XBUK6FSI</b>	—
Flat-type fuse terminal block with ...				
LED Red 12 Vdc, 2.0 mA	Black	—	—	<b>XBUK6FSIL12</b>
LED Red 24 Vdc, 2.0 mA	Black	—	—	<b>XBUK6FSIL24</b>

### Spring Cage Fuse Terminal Blocks

			8.2 mm	8.2 mm
Terminal Width			10 AWG/4 mm <sup>2</sup>	10 AWG/4 mm <sup>2</sup>
Maximum Wire Size			400/30/28-10	400/30/28-10
Connection Data in V/A/AWG			300/30/24-10	300/30/24-10
UL-cUL Ratings in V/A/AWG				
Description	Color	Number of Positions	Catalog Number	Catalog Number
<b>Product Selection</b>				
Spring cage fuse terminal block	Black	—	<b>XBPT4FSI</b>	—
Spring cage fuse terminal block with ...				
LED red 12 Vdc, 2.0 mA	Black	—	—	<b>XBPT4FSIL12</b>
LED red 24 Vdc, 2.0 mA	Black	—	—	<b>XBPT4FSIL24</b>

#### Accessories

##### End-Stop



##### End-Stops

Description	Size	Std. Pack	Catalog Number
Snap-on end stops	35 mm	50	<b>XBAES35N</b>
Universal end stops	35 mm	50	<b>XBAES35T</b>
	35 mm	50	<b>XBAES35C</b>

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##### DIN Rails



##### DIN Rails—35 x 7.5 mm x 2m

Size	Std. Pack	Catalog Number
25	Slotted	<b>XBANS3575P</b>

##### Marker Strips



##### Marker Strips (Strip of 10)

Terminal Width (mm)	Std. Pack	Catalog Number
5.2	10	<b>XBMZB5</b>
6.2	10	<b>XBMZB6</b>
8.2	10	<b>XBMZB8</b>
10.2	10	<b>XBMZB10</b>
12	10	<b>XBMZB12</b>
16	10	<b>XBMZB15</b> <sup>①</sup>
Flat		
5.2	10	<b>XBMZBF5</b>
6.2	10	<b>XBMZBF6</b>
8.2	10	<b>XBMZBF8</b>
10.2	10	<b>XBMZBF10</b>
12	10	<b>XBMZBF12</b>
16	10	<b>XBMZBF15</b>

##### Marker Sheets

Terminal Width (mm)	Color	Std. Pack	Catalog Number
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##### Blank Marker Sheets



Marker Sheets (10 rows of 12)			
5.2	White	50	<b>XBMPZB5</b>
5.2	Blue	50	<b>XBMPZB5BU</b>
5.2	Red	50	<b>XBMPZB5RD</b>
5.2	Yellow	50	<b>XBMPZB5YE</b>
5.2	Green	50	<b>XBMPZB5GN</b>

Marker Sheets (10 rows of 10)			
6.2	White	50	<b>XBMPZB6</b>
6.2	Blue	50	<b>XBMPZB6BU</b>
6.2	Red	50	<b>XBMPZB6RD</b>
6.2	Yellow	50	<b>XBMPZB6YE</b>
6.2	Green	50	<b>XBMPZB6GN</b>

##### Flat Marker Sheets



Flat Marker Sheets (10 rows of 10)			
5.2	White	10	<b>XBMPZBF5</b>
5.2	Orange	10	<b>XBMPZBF5OG</b>
6.2	White	10	<b>XBMPZBF6</b>
6.2	Orange	10	<b>XBMPZBF6OG</b>
8.2	White	10	<b>XBMPZBF8</b>

##### Test Plugs



##### Test Plugs

Color	Std. Pack	Catalog Number
<b>2.3 mm</b>		
—	10	<b>XBATSPSMT</b>
Blue	10	<b>XBATSPSIHBU</b>
White	10	<b>XBATSPSIHWH</b>
Red	10	<b>XBATSPSIHRD</b>
Black	10	<b>XBATSPSIHBK</b>
<b>4 mm</b>		
—	10	<b>XBATSPSMT</b>
Blue	10	<b>XBATSPSIHBU</b>
White	10	<b>XBATSPSIHWH</b>
Red	10	<b>XBATSPSIHRD</b>
Black	10	<b>XBATSPSIHBK</b>

##### Note

<sup>①</sup> All markers are strips of 10, except XBMZB15 which is a strip of 5.



## Printed Marking Tags

Terminal Block  
Marking TagHorizontal Printed  
Marking Tag

## Marking Tags for 5.2 mm Wide Terminal Blocks

Description		Catalog Number
ZB5 tags vertically numbered	1–10 ①	XBMZB5V/1
	11–20	XBMZB5V/11
	21–30	XBMZB5V/21
	31–40	XBMZB5V/31
	41–50	XBMZB5V/41
	51–60	XBMZB5V/51
	61–70	XBMZB5V/61
	71–80	XBMZB5V/71
	81–90	XBMZB5V/81
	91–100	XBMZB5V/91
ZBF5 tags vertically numbered	1–10 ①	XBMZBF5V/1
	11–20	XBMZBF5V/11
	21–30	XBMZBF5V/21
	31–40	XBMZBF5V/31
	41–50	XBMZBF5V/41
	51–60	XBMZBF5V/51
	61–70	XBMZBF5V/61
	71–80	XBMZBF5V/71
	81–90	XBMZBF5V/81
	91–100	XBMZBF5V/91

## Marking Tags for 6.2 mm Wide Terminal Blocks

Description		Catalog Number
ZB6 tags vertically numbered	1–10 ①	XBMZB6V/1
	11–20	XBMZB6V/11
	21–30	XBMZB6V/21
	31–40	XBMZB6V/31
	41–50	XBMZB6V/41
	51–60	XBMZB6V/51
	61–70	XBMZB6V/61
	71–80	XBMZB6V/71
	81–90	XBMZB6V/81
	91–100	XBMZB6V/91
ZBF6 tags vertically numbered	1–10 ①	XBMZBF6V/1
	11–20	XBMZBF6V/11
	21–30	XBMZBF6V/21
	31–40	XBMZBF6V/31
	41–50	XBMZBF6V/41
	51–60	XBMZBF6V/51
	61–70	XBMZBF6V/61
	71–80	XBMZBF6V/71
	81–90	XBMZBF6V/81
	91–100	XBMZBF6V/91

**Notes**

See [Page V9-T6-34](#) for marking tags for 8.2–16 mm wide terminal blocks.

① For text printed horizontally, change “V” in catalog number to “H.”

**Terminal Block Marking Tag**



**Horizontal Printed Marking Tag**



#### Marking Tags for 8.2 mm Wide Terminal Blocks

Description		Catalog Number
ZB8 tags vertically numbered	1–10 ①	<b>XBMZB8V/1</b>
	11–20	<b>XBMZB8V/11</b>
	21–30	<b>XBMZB8V/21</b>
	31–40	<b>XBMZB8V/31</b>
	41–50	<b>XBMZB8V/41</b>
	51–60	<b>XBMZB8V/51</b>
	61–70	<b>XBMZB8V/61</b>
	71–80	<b>XBMZB8V/71</b>
	81–90	<b>XBMZB8V/81</b>
	91–100	<b>XBMZB8V/91</b>
ZBF8 tags vertically numbered	1–10 ①	<b>XBMZBF8V/1</b>
	11–20	<b>XBMZBF8V/11</b>
	21–30	<b>XBMZBF8V/21</b>
	31–40	<b>XBMZBF8V/31</b>
	41–50	<b>XBMZBF8V/41</b>
	51–60	<b>XBMZBF8V/51</b>
	61–70	<b>XBMZBF8V/61</b>
	71–80	<b>XBMZBF8V/71</b>
	81–90	<b>XBMZBF8V/81</b>
	91–100	<b>XBMZBF8V/91</b>

#### Marking Tags for 10.2 mm Wide Terminal Blocks

Description		Catalog Number
ZB10 tags vertically numbered	1–10 ①	<b>XBMZB10V/1</b>
	11–20	<b>XBMZB10V/11</b>
	21–30	<b>XBMZB10V/21</b>
ZBF10 tags vertically numbered	1–10 ①	<b>XBMZBF10V/1</b>
	11–20	<b>XBMZBF10V/11</b>
	21–30	<b>XBMZBF10V/21</b>

#### Marking Tags for 12 mm Wide Terminal Blocks

Description		Catalog Number
ZB12 tags vertically numbered	1–10 ①	<b>XBMZB12V/1</b>
	11–20	<b>XBMZB12V/11</b>
	21–30	<b>XBMZB12V/21</b>
ZBF12 tags vertically numbered	11–10 ①	<b>XBMZBF12V/1</b>
	11–20	<b>XBMZBF12V/11</b>
	21–30	<b>XBMZBF12V/21</b>

#### Marking Tags for 16 mm Wide Terminal Blocks

Description		Catalog Number
ZB15 tags vertically numbered	11–10 ①	<b>XBMZB15V/1</b>
	11–20	<b>XBMZB15V/11</b>
	21–30	<b>XBMZB15V/21</b>
ZBF15 tags vertically numbered	1–10 ①	<b>XBMZBF15V/1</b>
	11–20	<b>XBMZBF15V/11</b>
	21–30	<b>XBMZBF15V/21</b>

**Note**

① For text printed horizontally, change “V” in catalog number to “H.”

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