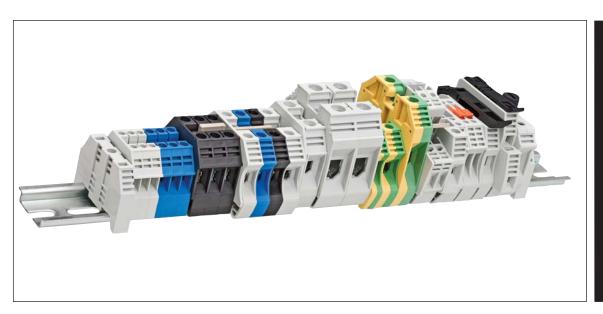


# **DIN-Rail Terminal Blocks**

Simplify Wiring, Power Distribution & Circuit Protection













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### **Terminal Blocks Styles**

Our terminal blocks are available in multiple colours for easy circuit identification, plus popular single and double-bridge shaft systems for maximum power distribution flexibility. Certifications include UL 1059 (UL File E62622), cURus, VDE and IEC 60947-7. Blocks are Short-Circuit Current Rated (SCCR) from 10kA to 200kA.

### Feed Through Terminal Blocks



Single-level feed through terminal blocks up to 1000V and 232A for wire sizes AWG 22 to 2 (0.5mm<sup>2</sup> to 35mm<sup>2</sup>).

See page 6 - 9

### **Double Level Terminal Blocks**

High-density connectivity using double-level terminal blocks. Marking system, side insertion bridge and top screw-on bridge are standard. Use bridges to achieve any connection topology.



See page 10

#### **Disconnect Terminal Blocks**



Disconnect terminal blocks offer an easy circuit disconnection with just a flick of a screwdriver.

See page 10

### **Grounding Terminal Blocks**

Grounding terminal blocks can convert DIN-Rail into a grounding bar. For wire sizes AWG 26 to 2 (0.13mm<sup>2</sup> to 35mm<sup>2</sup>).



See page 11 - 12

#### **Fuse Holder Terminal Blocks**



Fuse terminal blocks protect your sensors and relays. Available in lever and screwcap style, with and without LED indication. Uses standard Cooper Bussmann 5x20mm fuse links.

See page 13 - 14

### **Internally Jumpered Terminal Blocks**

Internally jumpered double-level terminal blocks provide high-density power distribution in 3-in/1-out or 2-in/2-out or 1-in/3-out options with a single block.



See page 14

#### **Test Terminal Blocks**

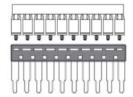


Test terminal blocks with convenient test sockets, plugs, jumpers and accessories to make your circuit troubleshooting easy.

See page 15

### **Jumper Bridges**

A variety of side insertion bridge, top insertion bridge and top screw-on bridge in multiple pole options are available to solve any power distribution need.



See page 16-20



#### **Rail Products**



An array of rail products are offered to compliment the DIN-Rail Terminal Block product line. Products available include 15mm, 35mm aluminium DIN-Rail; and 35mm G-type DIN-Rail.

See page 20

### Marking System and Labels

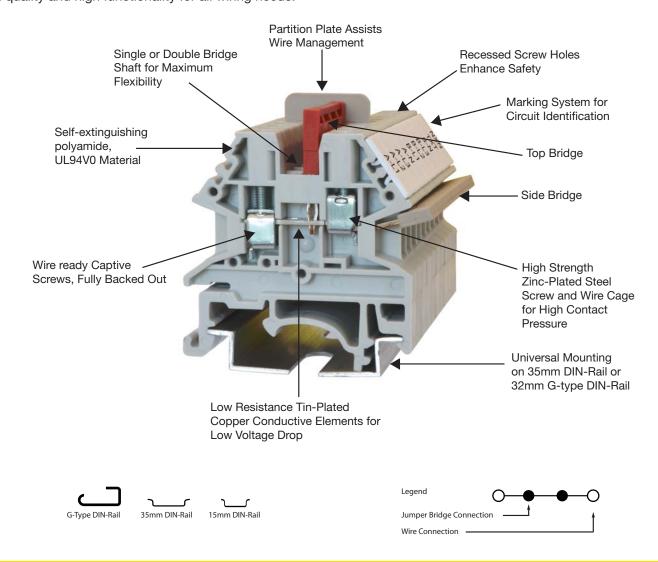


Open software, PC-based plotter system can print Cooper Bussmann labels as well as most major competitor labels. A decisive advantage. Blank and pre-printed marking labels are available.

See page 21 - 25

### **Terminal Blocks Overview**

Introducing a full range of single-level and two-level feed through screw connection DIN-Rail terminal blocks, test and disconnect blocks, grounding blocks, plug-in and screw-on bridges, marking system and accessories. High quality and high functionality for all wiring needs.



# Feed Through Blocks - DP Series



### **DP Series**

The DP Series feature a generous design allowing for more wiring space and access. Additionally, this series feature a larger wire contact area and larger conducting elements. Accessories include marking labels, partition plates, side insertion bridge and top screw-on bridge for improved reliability. Comes with matching shaped grounding blocks. Designed for 35mm DIN and 32mm G-type rails.

IEC 60947-7-1 and UL 1059 compliant.

Block

End cover

Partition
Small partition

Side insertion bridge

Top screw-on bridge

Marking label

Mounting rail

Tool

1 2 3 4 5 6 7



Approval	$\epsilon$	c <b>R</b> I	US
Technical Data		UL	IEC
Rated voltage		600V	630V
Rated current		25A	24A
Conductor cross section, solid (AWG/mm²)	S-	22~12 /	0.5~2.5
Conductor cross section, flexible (AWG/mm²)	S-	22~12 /	0.5~2.5
Rated impulse withstand voltage	ge	81	κV
Torque (N•m)		0	.8
Torque (lb-in)		7	.1
Screw		N	13
Wire strip length	(mm)	10-	-12
W x H x D (mm)		5.1 x 47	.6 x 58.9
Colours		Cat	. No
<ul><li>Grey</li></ul>		DP2	5-GY
<ul><li>Blue</li></ul>		DP2	5-BU
<ul><li>Black</li></ul>		DP2	5-LK
Red		DP2	5-RD
<ul><li>Yellow</li></ul>		DP2	5-YW
Orange		DP2	5-OR
<ul><li>Green</li></ul>		DP2	5-GN
Accessories		Cat	. No
Grey		DP25-	GY-ND
<ul><li>Blue</li></ul>		DP25-	BU-ND
<ul><li>Black</li></ul>		DP25-	LK-ND
Red		DP25-	RD-ND
<ul><li>Yellow</li></ul>		DP25-	YW-ND
Orange		DP25-0	OR-ND
Green		DP25-0	GN-ND
		DKSP	S-001
		DKSP	S-002
2-pole 3-pole 4-pole 10-pole		CSC-2	2-502P 2-503P 2-504P 2-510P
2-pole 3-pole 4-pole 10-pole		DS2-	5-02P 5-03P 5-04P 5-10P
		TM2	6CB
		DRL35	2MMG 5MMHI 5MML0



Approval	CE	R	us
Technical Data		UL	IEC
Rated voltage		600V	630V
Rated current		35A	32A
Conductor cross section, solid (AWG/mm²)	3-	22~10	/ 0.5~4
Conductor cross section, flexible (AWG/mm²)	3-	22~10	/ 0.5~4
Rated impulse withstand voltage	je	8	kV
Torque (N•m)		0	.8
Torque (lb-in)		7	.1
Screw		N	13
Wire strip length	(mm)	10	~12
W x H x D (mm)		6.1 x 47	.6 x 58.9
Colours		Cat	. No
<ul><li>Grey</li></ul>		DP3	5-GY
<ul><li>Blue</li></ul>		DP3	5-BU
Black		DP3	5-LK
Red		DP3	5-RD
<ul><li>Yellow</li></ul>		DP3	5-YW
Orange		DP3	5-OR
<ul><li>Green</li></ul>		DP3	5-GN
Accessories		Cat	. No
<ul><li>Grey</li></ul>		DP25-	GY-ND
<ul><li>Blue</li></ul>		DP25-	BU-ND
Black		DP25-	LK-ND
Red		DP25-	RD-ND
<ul><li>Yellow</li></ul>		DP25-	YW-ND
Orange		DP25-	OR-ND
Green		DP25-	GN-ND
		DKSF	S-001
		DKSF	S-002
2-pole 3-pole 4-pole 10-pole		CSC CSC	-402P -403P -404P -410P
2-pole 3-pole 4-pole 10-pole		DS4 DS4 DS4	-02P -03P -04P -10P
		TM2	P7CB
	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	DRL3	2MMG 5MMHI

DRL35MML0

0.5 x 3mm

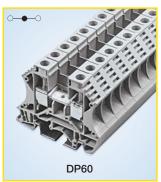


Approval	$\in$	c FLI	US
Technical Data		UL	IEC
Rated voltage		600V	500V
Rated current		45A	41A
Conductor cros section, solid (AWG/mm²)	ss-	20~8 /	0.5~6
Conductor crossection, flexible (AWG/mm²)		20~8 /	0.5~6
Rated impulse withstand volta	ge	84	ίV
Torque (N•m)		1.	.8
Torque (lb-in)		15	i.9
Screw		M	14
Wire strip lengt	h (mm)	12-	-14
W x H x D (mm)	)	8 x 47.6	6 x 58.9
Colours		Cat	. No
<ul><li>Grey</li></ul>		DP4	5-GY
<ul><li>Blue</li></ul>		DP4	5-BU
<ul><li>Black</li></ul>		DP4	5-LK
Red		DP4	5-RD
<ul><li>Yellow</li></ul>		DP45	5-YW
Orange		DP4	5-OR
<ul><li>Green</li></ul>		DP4	5-GN
Accessories		Cat	. No
<ul><li>Grey</li></ul>		DP25-	GY-ND
<ul><li>Blue</li></ul>		DP25-I	BU-ND
<ul><li>Black</li></ul>		DP25-	LK-ND
<ul><li>Red</li></ul>		DP25-I	RD-ND
<ul><li>Yellow</li></ul>		DP25-\	/W-ND
Orange		DP25-0	OR-ND
Green		DP25-0	GN-ND
		DKSP	S-001
		DKSP	S-002
2-pole 3-pole 4-pole 10-pole		CSC- CSC- CSC-	603P 604P
2-pole 3-pole 4-pole 10-pole		DS6- DS6- DS6-	-03P -04P
		TM2	8CB
		DRL35 DRL35	MMHI
		0.8 x	4mm

0.4 x 2.5mm

# Feed Through Blocks - DP Series

### **COOPER** Bussmann



(€ c**P**L°us

UL

600V

IEC

500V

20~6 / 1.5~10

20~6 / 1.5~10

8kV

1.8

15.9 M4

12~14 10 x 47.6 x 58.9

> Cat. No DP60-GY

Cat. No

DP25-GY-ND

DKSPS-001 DKSPS-002

CSC-1002P

CSC-1003P CSC-1004P CSC-1010P

DS10-02P DS10-03P DS10-04P

DS10-10P

TM28CB

DRL32MMG

DRL35MMHI DRL35MML0

0.8 x 4mm

10-pole

2-pole

3-pole 4-pole

10-pole

Approval

Technical Data

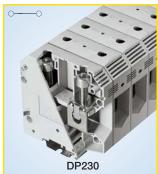
Rated voltage

Rated current Conductor crosssection, solid (AWG/mm²)

Conductor cross-







	Conductor cross- section, flexible (AWG/mm²)
	Rated impulse withstand voltage
	Torque (N•m)
	Torque (lb-in)
	Screw
	Wire strip length (mm)
	W x H x D (mm)
	Colours
	Grey
	Accessories
	Grey
	2-pole 3-pole
H	4-pole
	10-pole
4444	2-pole 3-pole
444	4-pole 10-pole
1 2 3 4 5 6 7	
. 7	

DP100			
Approval	$\epsilon$	c <b>R</b> o	US
Technical Data		UL	IEC
Rated voltage		600V	1000V
Rated current		100A	101A
Conductor cross section, solid (AWG/mm²)	S-	14~3 / 1.5~25	
Conductor cross section, flexible (AWG/mm²)	3-	14~3 /	1.5~25
Rated impulse withstand voltag	е	8	kV
Torque (N•m)		3.4	
Torque (lb-in)		30.1	
Screw		M5	
Wire strip length (mm)		13~15	
W x H x D (mm)		12 x 52.2 x 46.7	
Colours		Cat	. No
Grey		DP10	00-GY
Accessories		Cat	. No
● Grey		DP100	-GY-ND
		DKNS	PS-003
2-pole 3-pole 4-pole		CSC-	1602P 1603P 1604P

DP1			
Approval (E	R	US	Appro
Technical Data	UL	IEC	Technic
Rated voltage	600V	1000V	Rated
Rated current	150A	150A	Rated
Conductor cross- section, solid (AWG/mm²)	12~1 /	2.5~50	Condusection (AWG/r
Conductor cross- section, flexible (AWG/mm²)	12~1/0	/ 2.5~50	Condusection (AWG/r
Rated impulse withstand voltage	81	kV	Rated i
Torque (N•m)	6	.9	Torque
Torque (lb-in)	61	1.1	Torque
Screw	M6		Screw
Wire strip length (mm)	16~18		Wire st
W x H x D (mm)	16 x 61.2 x 52		WxH
Colours	Cat	. No	Colou
■ Grey	DP15	0-GY	Grey
Blue	DP15	0-BU	<ul><li>Blue</li></ul>
Accessories	Cat	. No	Acces
	DKNSI	PS-004	
2-pole 3-pole 4-pole 10-pole	CSC-	3502P 3503P 3504P 3510P	2-pole 3-pole 4-pole 10-pole
2-pole 3-pole 4-pole 10-pole	DS35	5-02P 5-03P 5-04P 5-10P	2-pole 3-pole 4-pole 10-pole

0		DP230			
c <b>FL</b> °us	Appr	oval	$\in$	<b>R</b> 3	us
UL IEC	Techni	ical Data		UL	IEC
600V 1000	V Rated	voltage		600V	1000V
150A 150	A Rated	current		230A	232A
12~1 / 2.5~5		ictor cros n, solid 'mm²)	S-	2/	35
12~1/0 / 2.5~		ictor cros n, flexible 'mm²)		2~4/0 /	35~95
8kV		impulse and voltaç	ge	84	άV
6.9	Torque	e (N•m)		10	1.2
61.1	Torque	e (lb-in)		90	.3
M6	Screw			M	8
16~18	Wire s	trip length	n (mm)	30-	-35
16 x 61.2 x 5	2 W x H	x D (mm)		25 x 88	5.5 x 80
Cat. No	Color	urs		Cat.	No
DP150-GY	● Gre	у		DP23	0-GY
DP150-BU	<ul><li>Blue</li></ul>	<del></del>		DP23	0-BU
Cat. No	Acce	ssories		Cat.	No
DKNSPS-004				DKNSF	PS-004
CSC-3502P CSC-3503P CSC-3504P CSC-3510P	2-pole 3-pole 4-pole 10-pol	• •		CSC-9 CSC-9 N/	9503P ⁄A
DS35-02P DS35-03P DS35-04P DS35-10P	2-pole 3-pole 4-pole 10-pol	; ;		N/ N/ N/	/A /A
TM28CB				TM2	8CB
DRL32MMG DRL35MMH DRL35MML0				DRL32 DRL35 DRL35	IHMM
<u> </u>				_	0

CSC-1610P

DS16-02P

DS16-03P DS16-04P

DS16-10P

TM28CB

DRL32MMG

DRL35MML0

1 x 5.5mm

# Feed Through Blocks - DS Series



### **DS Series**

The DS Series feature a compact design that save wiring space on the control panels. Accessories include marking labels, partition plates as well as side and top insertion bridges. Designed for 35mm DIN and 32mm G-type rails.

IEC 60947-7-1 and UL 1059. compliant

Block

End cover

Small partition

Top insertion bridge

Side insertion bridge

Marking label

Mounting rail

Tool =



Approval

Approva	6	C 774	US
Technical Data		UL	IEC
Rated voltage		600V	1000V
Rated current		20A	24A
Conductor cros section, solid (AWG/mm²)	S-	22~12 /	0.5~2.5
Conductor cros section, flexible (AWG/mm²)	S-	22~12 /	′ 0.5~2.5
Rated impulse withstand voltage	ge	6	kV
Torque (N•m)		0	.4
Torque (lb-in)		3	.5
Screw		M	2.5
Wire strip length	n (mm)	9~	·11
W x H x D (mm)		5.1 x 39	.6 x 40.5
Colours		Cat	. No
<ul><li>Grey</li></ul>		DS2	0-GY
<ul><li>Blue</li></ul>		DS2	0-BU
Black		DS2	0-LK
<ul><li>Red</li></ul>		DS2	0-RD
<ul><li>Yellow</li></ul>		DS2	0-YW
Orange		DS2	0-OR
<ul><li>Green</li></ul>		DS2	0-GN
Accessories		Cat	. No
<ul><li>Grey</li></ul>		DS20-	GY-ND
<ul><li>Blue</li></ul>		DS20-	BU-ND
Black		DS20-	LK-ND
Red		DS20-	RD-ND
<ul><li>Yellow</li></ul>		DS20-	YW-ND
Orange		DS20-	OR-ND
Green		DS20-	GN-ND
		DKNS	PS-001
2-pole 3-pole 4-pole 10-pole		DSS2-	5N-02P 5N-03P 5N-04P 5N-10P
2-pole 3-pole 4-pole 10-pole		CSC-2	-502PN -503PN -504PN -510PN
		TM2	ecb
		DRL3	2MMG 5MMHI 5MML0



Approval (E	c <b>FL</b> °us	
Technical Data	UL IEC	
Rated voltage	600V 1000V	
Rated current	30A 32A	
Conductor cross- section, solid (AWG/mm²)	22~10 / 0.5~4	
Conductor cross- section, flexible (AWG/mm²)	22~10 / 0.5~4	
Rated impulse withstand voltage	6kV	
Torque (N•m)	0.6	
Torque (lb-in)	5.3	
Screw	M3	
Wire strip length (mm)	9~11	
W x H x D (mm)	6.1 x 39.6 x 40.3	
Colours	Cat. No	
■ Grey	DS30-GY	
Blue	DS30-BU	
Black	DS30-LK	
Red	DS30-RD	
<ul><li>Yellow</li></ul>	DS30-YW	
Orange	DS30-OR	
Green	DS30-GN	
Accessories	Cat. No	
■ Grey	DS20-GY-ND	
Blue	DS20-BU-ND	
Black	DS20-LK-ND	
Red	DS20-RD-ND	
<ul><li>Yellow</li></ul>	DS20-YW-ND	
Orange	DS20-OR-ND	
Green	DS20-GN-ND	
	DKNSPS-001	
2-pole 3-pole 4-pole 10-pole	DSS4N-02P DSS4N-03P DSS4N-04P DSS4N-10P	
2-pole 3-pole 4-pole 10-pole	CSC-402PN CSC-403PN CSC-404PN CSC-410PN	
	TM27CB	

DRL32MMG DRL35MMHI

DRL35MML0



Approval	$\in$	c <b>F</b>	us
Technical Data		UL	IEC
Rated voltage		600V	1000V
Rated current		50A	41A
Conductor cros section, solid (AWG/mm²)	SS-	22~10	/ 0.5~4
Conductor cros section, flexible (AWG/mm²)		20~8	/ 0.5~6
Rated impulse withstand volta	ge	8	kV
Torque (N•m)		1	.2
Torque (lb-in)		10	0.6
Screw		N	14
Wire strip lengt	h (mm)	12	~14
W x H x D (mm	)	8 x 45	x 41.7
Colours		Cat	. No
Grey		DS5	0-GY
<ul><li>Blue</li></ul>		DS5	0-BU
● Black		DS5	0-LK
Red		DS5	0-RD
Yellow		DS5	0-YW
Orange		DS5	0-OR
Green		DS5	0-GN
Accessories		Cat	. No
Grey		DS50-	GY-ND
<ul><li>Blue</li></ul>		DS50-	BU-ND
<ul><li>Black</li></ul>		DS50-	LK-ND
Red		DS20-	RD-ND
<ul><li>Yellow</li></ul>		DS20-	YW-ND
Orange		DS20-	OR-ND
<ul><li>Green</li></ul>		DS20-	GN-ND
		DKNS	PS-002
2-pole 3-pole 4-pole 10-pole		DSS6 DSS6	N-02P N-03P N-04P N-10P
2-pole 3-pole 4-pole 10-pole		CSC-	602PN 603PN 604PN 610PN
		TM2	28CB
		DRL3	2MMG 5MMHI 5MML0
		•	

# Mini Feed Through Blocks - DM Series





### **DM Series**

The DM Series is our low cost, miniature feed through terminal block design for 15mm DIN-Rail. Accessories include side insertion bridge and marking labels.



Approval (E	c FL	US
Technical Data	UL	IEC
Rated voltage	300V	500V
Rated current	20A	24A
Conductor cross- section, solid (AWG/mm²)	22~12 /	0.5~2.5
Conductor cross- section, flexible (AWG/mm²)	22~12 /	0.5~2.5
Rated impulse withstand voltage	51	κV
Torque (N•m)	0	.4
Torque (lb-in)	3	.5
Screw	M	2.5
Wire strip length (mm)	7.	~9
W x H x D (mm)	5.1 x 2	28 x 22
W x H x D (mm)  Colours	-	28 x 22
	Cat	-
Colours	Cat DM2	. No
Colours  Grey	DM2	. No 0-GY
Colours  Grey  Blue	Cat DM2 DM2 DM2	. <b>No</b> 0-GY 0-BU
Colours  Grey  Blue Black	Cat  DM2  DM2  DM2  Cat	. <b>No</b> 0-GY 0-BU
Colours  Grey Blue Blue Black Accessories	Cat  DM2  DM2  DM2  Cat  DM20-	O-GY O-BU O-LK No
Colours  Grey Blue Black Accessories Grey	Cat  DM2  DM2  DM2  Cat  DM20-	. No 0-GY 0-BU 0-LK . No
Colours  Grey Blue Black Accessories Grey Blue	Cat  DM2  DM2  Cat  DM20-  DM20-  DM20-  CSC-2  CSC-2  CSC-2  CSC-2	. No 0-GY 0-BU 0-LK . No GY-ND BU-ND
Colours  Grey Blue Black Accessories Grey Blue Black Colours Grey Blue Accessories	Cat  DM2  DM2  DM2  Cat  DM20-  DM20-  DM20-  CSC-2  CSC-2  CSC-2  CSC-2	. No 0-GY 0-BU 0-LK . No GY-ND BU-ND -502PS -503PS



Approval (	€ ′	27	US
Technical Data	ι	JL	IEC
Rated voltage	30	00V	500V
Rated current	3	0A	32A
Conductor cross- section, solid (AWG/mm²)	2	2~10	/ 0.5~4
Conductor cross- section, flexible (AWG/mm²)	2	2~10	/ 0.5~4
Rated impulse withstand voltage		51	kV
Torque (N•m)		0	.6
Torque (lb-in)		5	.3
Screw		N	13
Wire strip length (m	m)	7	~9
W x H x D (mm)	6.	1 x 3	1.5 x 22
Colours		Cat	. No
<ul><li>Grey</li></ul>		DM3	0-GY
<ul><li>Blue</li></ul>		DM3	0-BU
<ul><li>Black</li></ul>		DM3	0-LK
Accessories		Cat	. No
<ul><li>Grey</li></ul>	D	M30-	-GY-ND
Blue	D	M30-	BU-ND
Black	С	M30-	-LK-ND
2-pole 3-pole 4-pole 10-pole	(	CSC-	402PS 403PS 404PS 410PS
		TM2	1CB



Approval (	R	us
Technical Data	UL	IEC
Rated voltage	300V	500V
Rated current	50A	41A
Conductor cross- section, solid (AWG/mm²)	20~8	/ 0.5~6
Conductor cross- section, flexible (AWG/mm²)	20~8	/ 0.5~6
Rated impulse withstand voltage	61	ΚV
Torque (N•m)	1	.2
Torque (lb-in)	10	).6
Screw	N	14
Wire strip length (mm)	9~	11
W x H x D (mm)	8 x 37	.4 x 30
Colours	Cat	. No
● Grey	DM5	0-GY
Blue	DM5	0-BU
● Black	DM5	0-LK
Accessories	Cat	. No
● Grey	DM50-	GY-ND
Blue	DM50-	BU-ND
● Black	DM50-	LK-ND
2-pole 3-pole 4-pole 10-pole	CSC-	602PS 603PS 604PS 610PS
	TM2	2CB



Block









### **DDP Series**

The DDP30 is a two-tier feed through terminal block for space constrained applications with two independent circuits (IEC 60947-7 and UL 1059 compliant). Marking system, side insertion bridge and top screw-on bridge are standard.



Approval

Technical Data	UL	IEC
Rated voltage	300V	400V
Rated current	30A	32A
Conductor cross- section, solid (AWG/mm²)	22~10 / 0.5~4	
Conductor cross- section, flexible (AWG/mm²)	22~10 / 0.5~4	
Rated impulse withstand voltage	6kV	
Torque (N•m)	C	).5
Torque (lb-in)	4	1.4
Screw	M2.5	
Wire strip length (mm)	6	
W x H x D (mm)	6.1 x 62	2.8 x 69.4
Colours	Cat	. No
<ul><li>Grey</li></ul>	DDP:	30-GY
Accessories	Cat	. No
Accessories  Grey		. No -GY-ND
	DDP30 CSC CSC CSC	
• Grey 2-pole 3-pole 4-pole	DDP30 CSC CSC CSC CSC DS4 DS4 DS4	-402P -403P -404P
Grey 2-pole 3-pole 4-pole 10-pole 2-pole 3-pole 4-pole	DDP30 CSC CSC CSC CSC DS4 DS4 DS4	I-GY-ND  -402P -403P -404P -410P  I-02P I-03P I-04P

DRL35MML0 0.4 x 2.5mm



### **DIS Series**

The DIS10 is a disconnect\* terminal block. Disconnect terminal blocks offer easy circuit disconnection with just a flick of a screwdriver. IEC 60947-7 and UL 1059 compliant.

\* Not for use as a load break disconnect.

Block

End Cover

Partition

1 2 3 4 5 6 7

Side Insertion Bridge

Marking Label

Mounting Rail

Tool



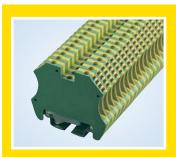
Approval (	<b>17</b> 3	US	
Technical Data	UL	IEC	
Rated voltage	300V	800V	
Rated current	10A	16A	
Conductor cross- section, solid (AWG/mm²)	26~14/	0.5~2.5	
Conductor cross- section, flexible (AWG/mm²)	26~14/	0.5~2.5	
Rated impulse withstand voltage	6k	V	
Torque (N∙m)	0.8	0.8	
Torque (lb-in)	7.	7.1	
Screw	M	M3	
Wire strip length (mn	n) 9~1	10	
W x H x D (mm)	5.1 x 46	.7 x 59	
Colours	Cat.	No	
Grey	DIS10	)-GY	
Accessories	Cat.	No	
●Grey	DP25-0	SY-ND	
	DKSPS	S-002	
2-pole 3-pole 4-pole 10-pole	CSC-2- CSC-2- CSC-2-	-503P -504P	
	TM26	SCB	
	DRL32 DRL35 DRL35	MMHI	
	0.5 x 3	3mm	





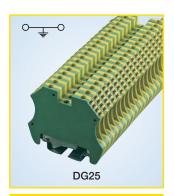
# **Grounding Blocks - DG Series**



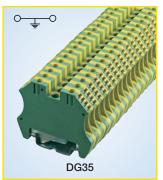


### **DG Series**

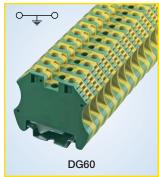
The DG Series grounding DIN-Rail Terminal blocks fit both standard 35mm DIN-Rail and 32mm G-Type rails. Compliant with IEC 60947-7 and UL 1059 standards for worldwide acceptance. These have the same general shape as the DP Series.



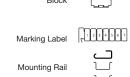
Approval (E	c <b>FL</b> ° us
Technical Data	UL IEC
Rated voltage	600V 630V
Rated current	24A
Conductor cross- section, solid (AWG/mm²)	26~12 / 0.5~2.5
Conductor cross- section, flexible (AWG/mm²)	26~12 / 0.5~2.5
Rated impulse withstand voltage	8kV
Torque (N•m)	0.8
Torque (lb-in)	7.1
Screw	M3
Wire strip length (mm)	10~14
W x H x D (mm)	5.7 x 46.4 x 56
Colours	Cat. No
Yellow/Green	DG25-YG
Accessories	Cat. No
	TM26CB
	DRL32MMG DRL35MMHI DRL35MML0
	0.5 x 3mm



Approval (E	c <b>Flu</b> s
Technical Data	UL IEC
Rated voltage	600V 630V
Rated current	32A
Conductor cross- section, solid (AWG/mm²)	26~10 / 0.5~4
Conductor cross- section, flexible (AWG/mm²)	26~10 / 0.5~4
Rated impulse withstand voltage	8kV
Torque (N•m)	0.8
Torque (lb-in)	7.1
Screw	M3
Wire strip length (mm)	12~16
W x H x D (mm)	6.6 x 46.4 x 56
Colours	Cat. No
Yellow/Green	DG35-YG
Accessories	Cat. No
	TM27CB
	DRL32MMG DRL35MMHI DRL35MML0
	0.5 x 3mm

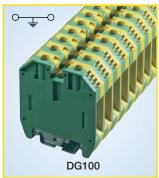


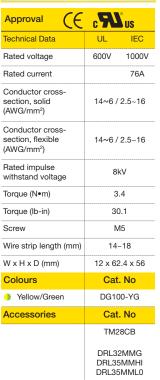
Approval (E	c <b>F</b> l	us
Technical Data	UL	IEC
Rated voltage	600V	500V
Rated current		57A
Conductor cross- section, solid (AWG/mm²)	16~8 /	1.5~10
Conductor cross- section, flexible (AWG/mm²)	16~8 /	1.5~10
Rated impulse withstand voltage	81	κV
Torque (N•m)	1.	.8
Torque (lb-in)	15	5.9
Screw	N	14
Wire strip length (mm)	12-	-16
W x H x D (mm)	10.4 x 4	6.4 x 56
Colours	Cat	. No
Yellow/Green	DG6	0-YG
Accessories	Cat	. No
	TM2	8CB
	DRL35	2MMG 5MMHI 5MML0
	0.8 x	4mm



Tool 🖘

# **Grounding Blocks - DG Series**





1 x 5.5mm



Approval (E	c <b>FL</b> °us
Technical Data	UL IEC
Rated voltage	600V 1000V
Rated current	125A
Conductor cross- section, solid (AWG/mm²)	12~2 / 4~35
Conductor cross- section, flexible (AWG/mm²)	12~2 / 4~35
Rated impulse withstand voltage	8kV
Torque (N•m)	5.6
Torque (lb-in)	49.6
Screw	M6
Wire strip length (mm)	14~18
W x H x D (mm)	16 x 62.4 x 56
Colours	Cat. No
Yellow/Green	DG150-YG
Accessories	Cat. No
	TM28CB
	DRL32MMG DRL35MMHI DRL35MML0
	1 x 5.5mm



Approval (E	c <b>FL</b> °us	
Technical Data	UL IEC	
Rated voltage	600V 1000V	
Rated current	232A	
Conductor cross- section, solid (AWG/mm²)	2/35	
Conductor cross- section, flexible (AWG/mm²)	2~4/0 /35~95	
Rated impulse withstand voltage	8kV	
Torque (N•m)	18	
Torque (lb-in)	159.3	
Screw	M8	
Wire strip length (mm)	20~25	
W x H x D (mm)	25 x 82.93 x 80	
Colours	Cat. No	
Yellow/Green	DG230-YG	
Accessories	Cat. No	
	TM28CB	
	DRL32MMG DRL35MMHI DRL35MML0	
	0	

Block ( )

Marking Label ( )

Mounting Rail



### F520 Series

Fuse terminal blocks protect your sensors and relays. Available in lever and screw-cap style, with and without LED indication.
Uses standard Cooper Bussmann 5x20mm fuse links.

Block

End Cover

Marking Label

Mounting Rail

1 2 3 4 5 6 7

Tool 🗁 🛟

Side Insertion Bridge



Approval	$\epsilon$	R	us
Technical Data		UL	IEC
Rated voltage		300V	300V
Rated current		6.3A	6.3A
Conductor cross section, solid (AWG/mm²)	-	24~12	/ 0.5~4
Conductor cross section, flexible (AWG/mm²)	-	24~12	/ 0.5~4
Rated impulse withstand voltage	е	61	κV
Torque (N•m)		0	.8
Torque (lb-in)		7	.1
Screw		N	13
Wire strip length	(mm)	10-	~12
W x H x D (mm)		8 x 55	.7 x 56
Colours		Cat	. No
Grey			ST-GY
		F520s	
● Grey	er	F520S	ST-GY
Accessories Grey End Coverage 2-pole 3-pole 4-pole	er	F520s  Cat  F520-( CSC-(	. No GY-ND 502PN 503PN 504PN
Accessories Grey End Coverage 2-pole 3-pole	er	F520s  Cat  F520-( CSC-(	. No GY-ND 602PN 603PN
Accessories Grey End Coverage 2-pole 3-pole 4-pole	er	F5203  Cat F520-  CSC  CSC  CSC	. No GY-ND 502PN 503PN 504PN
Accessories Grey End Coverage 2-pole 3-pole 4-pole	er	F5203  Cat F520-1  CSC-1  CSC-1  CSC-1  TM2  DRL33	. No GY-ND 602PN 603PN 604PN 610PN



Approva	· (E	.R	us
Technical E	Data	UL	IEC
Rated volta	age	300V	300V
Rated curre	ent	6.3A	6.3A
Conductor section, so (AWG/mm²	lid	24~12	/ 0.5~4
Conductor section, fle (AWG/mm²	xible	24~12	/ 0.5~4
Rated impositions withstand v		6	kV
Torque (N•	m)	0	.8
Torque (lb-	in)	7.1	
Screw		M3	
Wire strip l	ength (mm)	10~12	
WxHxD	(mm)	8 x 55.7 x 56	
Colours	Voltage	Cat	. No
Grey	5V	F520STI	_ED5-GY
Grey	12V	F520STL	ED12-GY
<ul><li>Grey</li></ul>	24V	F520STL	ED24-GY
Grey	48V	F520STL	ED48-GY
<ul><li>Grey</li></ul>	110V	F520STLI	ED110-GY
<ul><li>Grey</li></ul>	220V	F520STLI	ED220-GY
Grey	300V	F520STLI	ED300-GY
Accessor	ries	Cat	. No
Grey End	d Cover	F520-	GY-ND
2-pole 3-pole 4-pole 10-pole		CSC-	602PN 603PN 604PN
		CSC-	610PN
			610PN  28CB

0.5 x 3mm



Approval (E	c <b>F</b>	us
Technical Data	UL	IEC
Rated voltage	300V <sup>(1)</sup>	300V
Rated current	16A <sup>(2)</sup> 30A <sup>(3)</sup>	16A <sup>(2</sup>
Conductor cross- section, solid (AWG/mm²)	22~10	/ 0.5~4
Conductor cross- section, flexible (AWG/mm²)	22~10	/ 0.5~4
Rated impulse withstand voltage	61	ίV
Torque (N•m)	0.0	67
Torque (lb-in)	5.	.9
Screw	M	3.5
Wire strip length (mm)	10-	-12
W x H x D (mm)	8 x 60.5	x 72.5
Colours	Cat.	. No
Accessories	Cat	. No
Grey	F520DD	-GY-NE
• Grey		
City	TM2	8CB
• Cley	TM2 DRL32 DRL35 DRL35	2MMG 5MMHI

<sup>1)</sup> UL 600V/5A

<sup>2)</sup> Upper Level 3) Lower Level

# Fuse Holder Blocks - F520 Series Internally Jumpered Blocks



Approval (E	c <b>FL</b> °us	
Technical Data	UL IEC	
Rated voltage	600V 660V	
Rated current	6.3A 6.3A	
Conductor cross- section, solid (AWG/mm²)	22~6 / 1.5~10	
Conductor cross- section, flexible (AWG/mm²)	22~6 / 1.5~10	
Rated impulse withstand voltage	6kV	
Torque (N•m)	1.8	
Torque (lb-in)	15.9	
Screw	M4	
Wire strip length (mm)	12~16	
W x H x D (mm)	12 x 47.2 x 61.6	
Colours	Cat. No	
<ul><li>Grey</li></ul>	F520TOP-GY	

Cat. No

TM20CB DRL32MMG

DRL35MML0

0.6 x 3.5mm

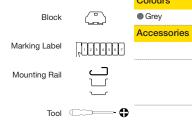


### **DDNS Series**

The DDNS10 is an internally jumpered terminal block. Internally jumpered double-level terminal blocks provide high-density power distribution in 3-in/1-out or 2-in/2-out or 1-in/3-out options with a single block. Add top and side insertion bridges to achieve any connection topology. IEC 60947-7 and UL 1059 compliant.



Approval	c 7	US
Technical Data	UL	IEC
Rated voltage	300V	630V
Rated current	10A	17.5A
Conductor cross- section, solid (AWG/mm²)	22~14	/ 0.5~1.5
Conductor cross- section, flexible (AWG/mm²)	22~14	/ 0.5~1.5
Rated impulse withstand voltage	8	kV
Torque (N•m)	0	1.4
Torque (lb-in)	3	.5
Screw	M2.5	
Wire strip length (mm)	6~7	
W x H x D (mm)	5.1 x 46.8 x 58.9	
W XII X D (IIIII)	3.1 X 40	.0 X 00.0
Colors		. No
	Cat	
Colors	Cat	. No
Colors  Grey	Cat DDNS	. No
Colors  Grey  Accessories	DDNS1  CSC-2 CSC-2 CSC-2	. <b>No</b> 610-GY
Colors  Grey  Accessories  Grey  2-pole 3-pole 4-pole	DDNS10  DDNS10  CSC CSC CSC DS2- DS2- DS2-	0-GY-ND 2-502P 2-503P 2-504P
Colors  Grey  Accessories  Grey  2-pole 3-pole 4-pole 10-pole 2-pole 3-pole 4-pole 4-pole 4-pole	DDNS1()  CSC; CSC; CSC; DS2- DS2- DS2-	0-GY-ND 2-502P 2-503P 2-510P 5-02P 5-03P 5-04P
Colors  Grey  Accessories  Grey  2-pole 3-pole 4-pole 10-pole 2-pole 3-pole 4-pole 4-pole 4-pole	DDNS1II  CSC CSC CSC DS2 DS2 DS2 DRL3	0-GY-ND 2-502P 2-503P 2-510P 5-02P 5-03P 5-04P 5-10P



	Block
	End Cover
F	Side Insertion Bridge
	Top Screw-on bridge
1234567	Marking Label
	Mounting Rail





### **DTST2 Series**

### **Test Terminal Blocks**

Test terminal blocks with convenient test sockets, plugs, jumpers and accessories to make your circuit troubleshooting easy.

> Block Partition Jumper Slide

> > Test Plug

Screw

Connection Sleeve Connection Socket

Side insertion bridge

Top screw-on bridge

Marking Label

Mounting Rail



300/600V

660V

Technical Data Rated voltage

Rated current

		Conductor cross- section, solid (AWG/mm²)	20~8 / 0.5~6
		Conductor cross- section, flexible (AWG/mm²)	20~8 / 0.5~6
		Rated impulse withstand voltage	6kV
		Torque (N•m)	2
		Torque (lb-in)	17.7
		Screw	M4
		Wire strip length (mm)	8
		W x H x D (mm)	8 x 65.6 x 47.5
		Colors	Cat. No
		● Grey	DTST2-GY
		Accessories	
Block		● Grey	DTST-GY-ND
rtition			DKSPS-006
Slide		2-pole 3-pole	DS6A02 DS6A03
Plug			C002-0101-BK C002-0101-RD
Screw	<b></b>		DS6S1-BK DS6S1-OR DS6S1-YW DS6S1-RD
leeve			C002-0201
ocket			C002-0301
oridge	R	2-pole 3-pole 4-pole 10-pole	CSC-602P CSC-603P CSC-604P CSC-610P
oridge		2-pole 3-pole 4-pole 10-pole	DS6-02P DS6-03P DS6-04P DS6-10P
Label	1 2 3 4 5 6 7		TM28CB
g Rail	 ]		DRL32MMG DRL35MMHI DRL35MML0
Tool (	<b></b>		0.6 x 3.5mm

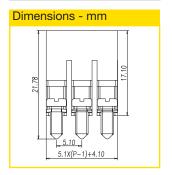


### Top Screw-On Bridges



Use with DP25 DG25
DDNS10

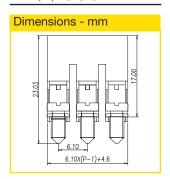
Poles (XX) 02,03,04,10





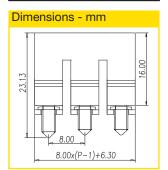
Use with DP35 DDP30

Poles (XX) 02,03,04,10





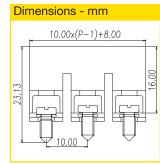
Use with DP45
DTST2
Poles (XX) 02,03,04,10





Use with DP60

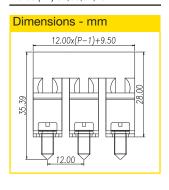
Poles (XX) 02,03,04,10





Use with DP100

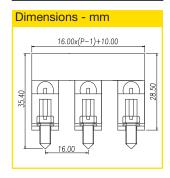
Poles (XX) 02,03,04,10





Use with DP150

Poles (XX) 02,03,04,10



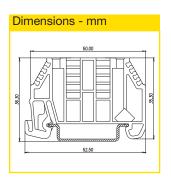


### **End Brackets**



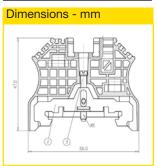
Use with	DRL35MMHI
	DRL35MML0





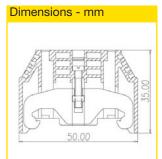


Use with	DRL35MMHI	
	DRL35MML0	
Torque (N•	m)	0.5
Torque (lb-	in)	4.4
Screw		МЗ



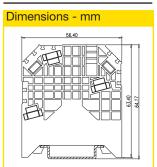


Use with	DRL35MMHI	
	DRL35MML0	
Torque (N•	m)	0.78
Torque (lb-	in)	6.9
Screw		МЗ





Use with	DRL35MMHI	
	DRL35MML0	
Torque (N•	m)	1.8
Torque (lb-	in)	15.9
Screw		M4



### **Partition Plates**



Use with	DP25	DP35
	DP45	DP60

DS20

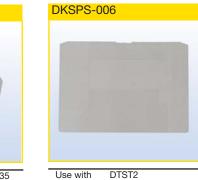
DS30

DKNSPS-001

Use with



Use with	DP25	DP35
	DP45	DP60
	DIS10	







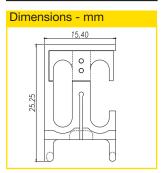


## Jumper Slides



Use with DTST2

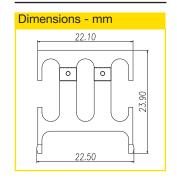
Poles 02





Use with DTST2

Poles 03

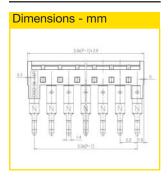


### **Top Insertion Bridges**



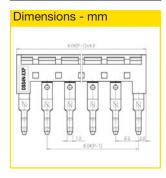
Use with DS20

Poles (XX) 02,03,04,10





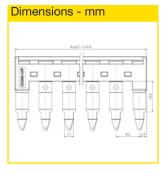
Poles (XX) 02,03,04,10





OSC WILLI DOGG

Poles (XX) 02,03,04,10



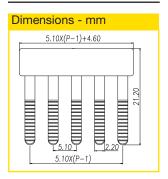


### Side Insertion Bridges



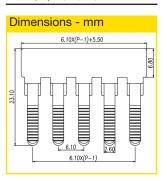
Use with DP25 DIS10 DDNS10

Poles (XX) 02, 03, 04, 10



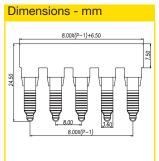


Poles (XX) 02, 03, 04, 10



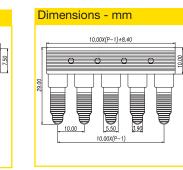


Poles (XX) 02, 03, 04, 10





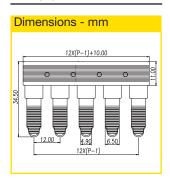
Poles (XX) 02, 03, 04, 10





Use with DP100

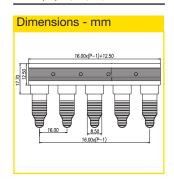
Poles (XX) 02, 03, 04, 10





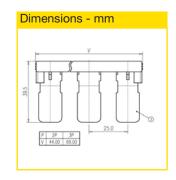
Use with DP150

Poles (XX) 02, 03, 04, 10





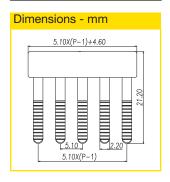
Poles (XX) 02,03,04,10





Use with DS20

Poles (XX) 02, 03, 04, 10

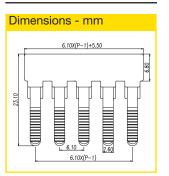


### Side Insertion Bridges



200

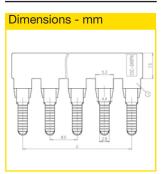
Poles (XX) 02, 03, 04, 10





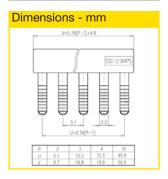
000 111111

Poles (XX) 02, 03, 04, 10





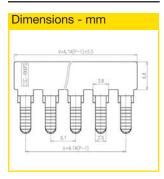
Poles (XX) 02, 03, 04, 10





Ose with Diviso

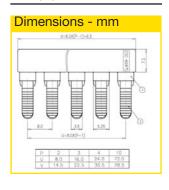
Poles (XX) 02, 03, 04, 10





Use with DM50

Poles (XX) 02, 03, 04, 10



### **Mounting Rails**









<sup>\*</sup> Available in 1 Metre lengths only



# Buss Scribe Marking System



#### Description

- Pen is installed manually
- USB interface to PC
- 110-240Vac power suply
- WINDOWS® Operation system

#### System Kit Includes

- Plotter Pens
- Support Plate
- Software
- Plotter
- Power Supplies
- USB Cable



### Description

Support plate adjustable to accommodate various sizes of marking labels. The support plate is universal and suitable for TM2xCB marking label series.

Each plotter set includes one support plate, additional plates are available separately.



### Description

Disposable black ink pen. Single pen per pack.

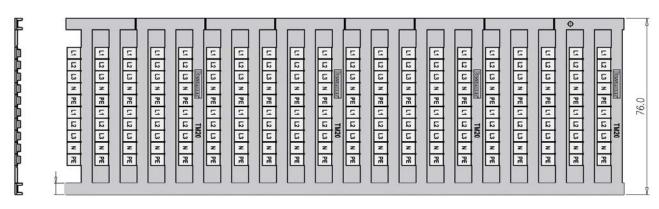
Marking Label Selection Chart					
Part Number	Length (mm)	Width (mm)	Line x Row	Number of Tags	Applicable Block Part Numbers
TM20CB	5.8	5.1	20 x 10	200	F20T0P, DM20
TM21CB	5.8	6.1	20 x 10	200	DDP30, DM30
TM22CB	5.8	8	20 x 8	160	DM50
TM26CB	12	5.1	12 x 12	144	DS20, DP25, DG25, DDNS10, DIS10
TM27CB	12	6.1	12 x 10	120	DS30, DP35, DG35
TM28CB	12	8	12 x 7	84	DS50, DP45, DP60, DP100, DP150, DP230, DG60, DG100, DG150, DG230, F520ST, F520STLED, F520DDST, DTST2

### Marking Label Ordering Method (typical)



Example: TM20CB-DH01, Horizontal Marking - L1, L2, L3, N, PE

### TM20CB Series - mm





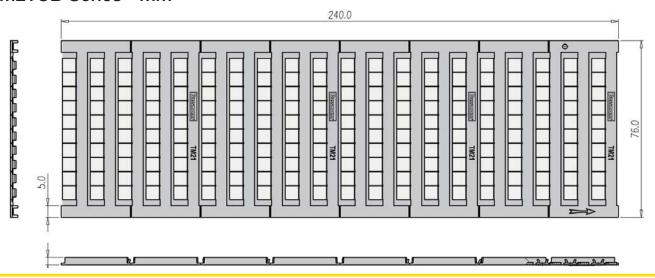
#### TM20CB

Part Numbers	Descriptions
TM20CB	Marking label, blank
TM20CB-DH01	Marking label, horizontal (L1, L2, L3, N, PE repeated 40 times)
TM20CB-DH02	Marking label, horizontal (L1, L2, L3,N) repeated 40 times
TM20CB-FH01	Marking label, horizontal, 1 to 10, repeated in 20 lines
TM20CB-FH02	Marking label, horizontal, 11 to 20, repeated in 20 lines
TM20CB-FH03	Marking label, horizontal, 21 to 30, repeated in 20 lines
TM20CB-FH04	Marking label, horizontal, 31 to 40, repeated in 20 lines
TM20CB-FH05	Marking label, horizontal, 41 to 50, repeated in 20 lines
TM20CB-EH01	Marking label, horizontal, 1 to 50, repeated in 4 sets
TM20CB-EH02	Marking label, horizontal, 51 to 100, repeated in 4 sets
TM20CB-DV01	Marking label, vertical (L1, L2, L3, N, PE) repeated 40 times
TM20CB-DV02	Marking label, vertical, (L1, L2, L3, N) repeated 40 times
TM20CB-FV01	Marking label, vertical, 1 to 10, repeated in 20 lines
TM20CB-FV02	Marking label, vertical, 11 to 20, repeated in 20 lines
TM20CB-EV01	Marking label, vertical, 1 to 50, repeated in 4 sets

#### TM21CB

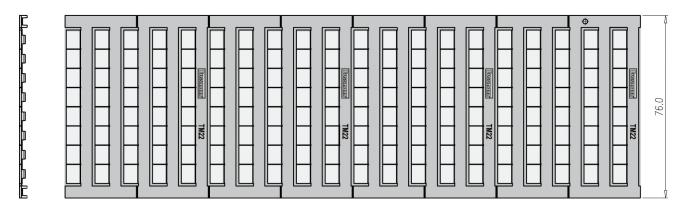
Part Numbers	Descriptions
TM21CB	Marking label, blank
TM21CB-DH01	Marking label, horizontal (L1, L2, L3, N, PE repeated 40 times)
TM21CB-DH02	Marking label, horizontal (L1, L2, L3,N) repeated 40 times
TM21CB-FH01	Marking label, horizontal, 1 to 10, repeated in 20 lines
TM21CB-FH02	Marking label, horizontal, 11 to 20, repeated in 20 lines
TM21CB-FH03	Marking label, horizontal, 21 to 30, repeated in 20 lines
TM21CB-FH04	Marking label, horizontal, 31 to 40, repeated in 20 lines
TM21CB-FH05	Marking label, horizontal, 41 to 50, repeated in 20 lines
TM21CB-EH01	Marking label, horizontal, 1 to 50, repeated in 4 sets
TM21CB-EH02	Marking label, horizontal, 51 to 100, repeated in 4 sets
TM21CB-DV01	Marking label, vertical (L1, L2, L3, N, PE) repeated 40 times
TM21CB-DV02	Marking label, vertical, (L1, L2, L3, N) repeated 40 times
TM21CB-FV01	Marking label, vertical, 1 to 10, repeated in 20 lines
TM21CB-FV02	Marking label, vertical, 11 to 20, repeated in 20 lines
TM21CB-EV01	Marking label, vertical, 1 to 50, repeated in 4 sets

### TM21CB Series - mm



# Marking Label Ordering Method (typical)

### TM22CB Series - mm



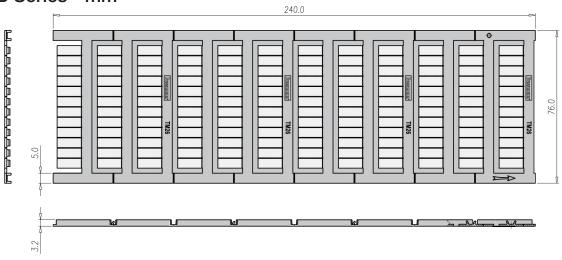
#### TM22CB

Part Numbers	Descriptions
TM22CB	Marking label, blank
TM22CB-DH01	Marking label, horizontal (L1, L2, L3, N, PE repeated 30 times)
TM22CB-DH02	Marking label, horizontal (L1, L2, L3,N) repeated 40 times
TM22CB-FH01	Marking label, horizontal, 1 to 10, repeated in 16 lines
TM22CB-FH02	Marking label, horizontal, 11 to 20, repeated in 16 lines
TM22CB-FH03	Marking label, horizontal, 21 to 30, repeated in 16 lines
TM22CB-FH04	Marking label, horizontal, 31 to 40, repeated in 16 lines
TM22CB-FH05	Marking label, horizontal, 41 to 50, repeated in 16 lines
TM22CB-EH01	Marking label, horizontal, 1 to 50, repeated in 3 sets
TM22CB-EH02	Marking label, horizontal, 51 to 100, repeated in 3 sets
TM22CB-DV01	Marking label, vertical (L1, L2, L3, N, PE) repeated 30 times
TM22CB-DV02	Marking label, vertical, (L1, L2, L3, N) repeated 40 times
TM22CB-FV01	Marking label, vertical, 1 to 10, repeated in 16 lines
TM22CB-FV02	Marking label, vertical, 11 to 20, repeated in 16 lines
TM22CB-EV01	Marking label, vertical, 1 to 50, repeated in 3 sets

#### TM26CB

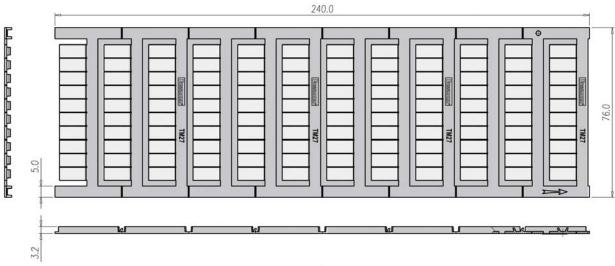
Part Numbers	Descriptions
TM26CB	Marking label, blank
TM26CB-DH01	Marking label, horizontal (L1, L2, L3, N, PE) repeated 24 times
TM26CB-DH02	Marking label, horizontal (L1, L2, L3,N) repeated 36 times
TM26CB-FH01	Marking label, horizontal, 1 to 10, repeated in 12 lines
TM26CB-FH02	Marking label, horizontal, 11 to 20, repeated in 12 lines
TM26CB-FH03	Marking label, horizontal, 21 to 30, repeated in 12 lines
TM26CB-FH04	Marking label, horizontal, 31 to 40, repeated in 12 lines
TM26CB-FH05	Marking label, horizontal, 41 to 50, repeated in 12 lines
TM26CB-EH01	Marking label, horizontal, 1 to 50, repeated in 2 sets
TM26CB-EH02	Marking label, horizontal, 51 to 100, repeated in 2 sets
TM26CB-DV01	Marking label, vertical (L1, L2, L3, N, PE) repeated 24 times
TM26CB-DV02	Marking label, vertical, (L1, L2, L3, N) repeated 36 times
TM26CB-FV01	Marking label, vertical, 1 to 10, repeated in 12 lines
TM26CB-FV02	Marking label, vertical, 11 to 20, repeated in 12 lines
TM26CB-EV01	Marking label, vertical, 1 to 50, repeated in 2 sets

### TM26CB Series - mm





### TM27CB Series - mm



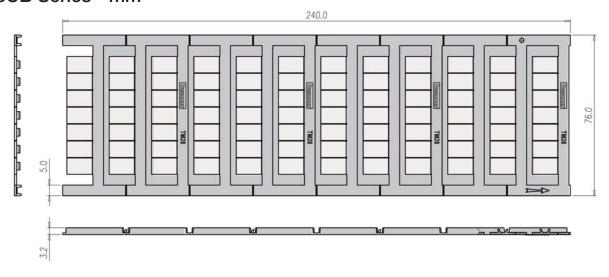
### TM27CB

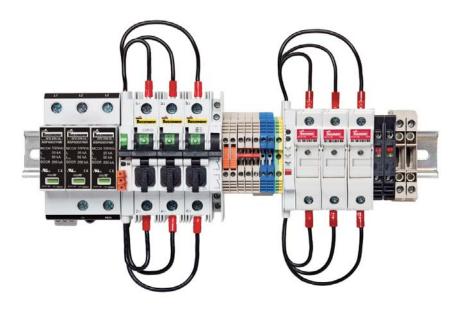
Part Numbers	Descriptions
ТМ27СВ	Marking label, blank
TM27CB-DH01	Marking label, horizontal (L1, L2, L3, N, PE repeated 24 times)
TM27CB-DH02	Marking label, horizontal (L1, L2, L3,N) repeated 24 times
TM27CB-FH01	Marking label, horizontal, 1 to 10, repeated in 12 lines
TM27CB-FH02	Marking label, horizontal, 11 to 20, repeated in 12 lines
TM27CB-FH03	Marking label, horizontal, 21 to 30, repeated in 12 lines
TM27CB-FH04	Marking label, horizontal, 31 to 40, repeated in 12 lines
TM27CB-FH05	Marking label, horizontal, 41 to 50, repeated in 12 lines
TM27CB-EH01	Marking label, horizontal, 1 to 50, repeated in 2 sets
TM27CB-EH02	Marking label, horizontal, 51 to 100, repeated in 2 sets
TM27CB-DV01	Marking label, vertical (L1, L2, L3, N, PE) repeated 24 times
TM27CB-DV02	Marking label, vertical, (L1, L2, L3, N) repeated 24 times
TM27CB-FV01	Marking label, vertical, 1 to 10, repeated in 12 lines
TM27CB-FV02	Marking label, vertical, 11 to 20, repeated in 12 lines
TM27CB-EV01	Marking label, vertical, 1 to 50, repeated in 2 sets

#### TM28CB

Part Numbers	Descriptions
TM28CB	Marking label, blank
TM28CB-DH01	Marking label, horizontal (L1, L2, L3, N, PE) repeated 12 times
TM28CB-DH02	Marking label, horizontal (L1, L2, L3,N) repeated 20 times
TM28CB-FH01	Marking label, horizontal, 1 to 10, repeated in 8 lines
TM28CB-FH02	Marking label, horizontal, 11 to 20, repeated in 8 lines
TM28CB-FH03	Marking label, horizontal, 21 to 30, repeated in 8 lines
TM28CB-FH04	Marking label, horizontal, 31 to 40, repeated in 8 lines
TM28CB-FH05	Marking label, horizontal, 41 to 50, repeated in 8 lines
TM28CB-EH01	Marking label, horizontal, 1 to 50, repeated in 1 set
TM28CB-EH02	Marking label, horizontal, 51 to 100, repeated in 1 set
TM28CB-DV01	Marking label, vertical (L1, L2, L3, N, PE) repeated 12 times
TM28CB-DV02	Marking label, vertical, (L1, L2, L3, N) repeated 20 times
TM28CB-FV01	Marking label, vertical, 1 to 10, repeated in 8 lines
TM28CB-FV02	Marking label, vertical, 11 to 20, repeated in 8 lines
TM28CB-EV01	Marking label, vertical, 1 to 50, repeated in 1 set

### TM28CB Series - mm





### Modular Fuse Holders



Modular fuse holders for Class CC, 10x38 and Class J fuse links for remote PLC indication. Also available in size 14x51 and 22x58mm.

See page 27 - 31

### **Compact Circuit Protectors (CCP)**





At 1/3 the space required by a molded case circuit breaker, the CCP saves space in your panel. High SCCR DIN-Rail mounted electrical disconnect.

See page 32

### **NH Bases**



Complete range of NH Bases to be used with 400, 500 and 690V NH gG and aM fuse links.

Available as DIN-Rail and/or screw mounting.

See page 33

### **Surge Protective Devices**



Full range of SPDs for Solar, IEC, UL high SCCR, Wind and Low Voltage AC/DC Power and Control applications.

Industry's only true, UL 1449 3<sup>rd</sup> Edition compliant overvoltages protectors.

See page 34 - 35





### **CH Series**

With a wide wire range and industry leading ratings - up to 32A, 1000V, 200kA SCCR - the new CH Series provide worldwide acceptance and easy specification - including the latest PV fuse holder standard: IEC 60269-1, -2 and UL4248-18. Use with midget, 10x38, PV or Class CC fuse links. Also certified to CCC standard (China Compulsory Certificate).

See brochure MFBRO0312



СНМ		
Approval (	<b>9.9 1</b>	
Technical Data	UL IEC	
Rated Voltage	600Vac 690Vac	
Rated Current	30A 32A	
Conductor cross- section, solid (mm²)	1 to 25	
Conductor cross- section, flexible (mm²)	1 to 25	
Torque (N•m)	3.4	
SCCR	120kA	
W x H x D (mm)	17.5 x 73.9 x 61.8	
	Midget	
	10 x 38	
1-pole 2-pole 3-pole 4-pole	CHM1DIU CHM2DIU CHM3DIU CHM4DIU	
1-pole 2-pole 3-pole 4-pole	CHM1DU CHM2DU CHM3DU CHM4DU	
1-pole + Neutral 3-pole + Neutral	CHM1DNIU CHM3DNIU	

CHM1DNU

CHM3DNU

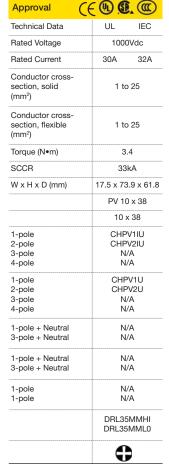
CHM1DNXU

CHM1DI-48U

DRL35MMHI

DRL35MML0







Approval	<b>₩.0.</b> ((()	
Technical Data	UL	
Rated Voltage	600Vac	
Rated Current	30A	
Conductor cross- section, solid (mm²)	1 to 25	
Conductor cross- section, flexible (mm²)	1 to 25	
Torque (N•m)	3.4	
SCCR	200kA	
W x H x D (mm)	17.5 x 73.9 x 61.8	
	Class CC	
1-pole 2-pole 3-pole 4-pole	CHCC1DIU CHCC2DIU CHCC3DIU N/A	
1-pole 2-pole 3-pole 4-pole	CHCC1DU CHCC2DU CHCC3DU N/A	
2-pole 4-pole	N/A N/A	
1-pole + Neutral 3-pole + Neutral	N/A N/A	
1-pole 1-pole	CHCC1DI-48U N/A	
	DRL35MMHI DRL35MML0	
	<b>•</b>	

Fuse

Multi-pole with Indicator

Multi-pole without Indicator

With Neutral Pole and Indicator

1-pole + Neutral

3-pole + Neutral

1-pole

1-pole

With Neutral Pole and no Indicator

> Neutral only 48Vdc/30Å

Mounting Rail

Tool

### Comb-Bus Bar Specifications and Selection Guide





#### Comb-Bus Bar

Easily distribute power in singlephase or three-phase configurations. Flexible cut-to-length solutions without compromising on the product's finger-safe features. Can be used with the CHM and CHCC Series.

See brochure MFBRO0312

### **Specifications**

• Agency Information: UL 508. File E195399

• Pitch: 17.8mm

• SCCR: 10kA (default)

100kA (with upstream Class J 200A fuses)

• Max Current: 100A (power feed from end)

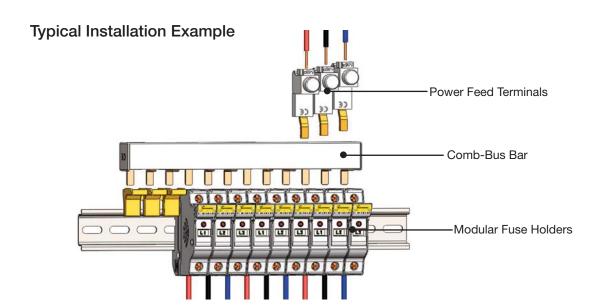
200A (power feed from center)

• Max Voltage: 600Vac/dc (three phase)

1000Vdc/600Vac (single phase)

#### **Selection Guide**

Description
Single-phase 1000Vdc busbar, 100A, 3 pins, assembled endcap
Single-phase 1000Vdc busbar, 100A, 6 pins, assembled endcap
Single-phase 1000Vdc busbar, 100A, 9 pins, assembled endcap
Single-phase 1000Vdc busbar, 100A, 12 pins, assembled endcap
Single-phase 1000Vdc busbar, 100A, 15 pins, assembled endcap
Single-phase 1000Vdc cuttable busbar, 100A, 57 pins, without endcap
Three-phase 600V busbar, 100A, 6 pins, assembled endcap
Three-phase 600V busbar, 100A, 9 pins, assembled endcap
Three-phase 600V busbar, 100A, 12 pins, assembled endcap
Three-phase 600V busbar, 100A, 15 pins, assembled endcap
Three-phase 600V cuttable busbar, 100A, 57 pins, without endcap
Single-phase busbar endcap
Three-phase busbar endcap
35mm² feeder terminal for three-phase busbar (115A, 1000Vac/dc)
Spare contact safety protection covers
Single-phase low-profile feeder terminal (115A, 1000Vac/dc)
50mm <sup>2</sup> direct feed terminal (1000Vac/dc)



### **Remote Fuse Monitoring Accessory**





#### CH-PLC

Make it Simple with Cooper Bussmann resettable three-phase remote fuse monitor that integrates with a Programmable Logic Controller (PLC) or other monitoring and control equipment. Can be used with the CHM and CHCC Series.

See brochure MFBRO0312

#### **Specifications**

Power Input: 24Vdc / 5mASensing Voltage: 600V/30mA

Output Signals: Digital OVdc (Low), 24Vdc (High)

- 0Vdc Low - Fuse is good

- 24Vdc High - Fuse has opened

When the fuse opens, the output signal is sent high and will remain high until the unit is reset

• Rated Impulse Voltage: 8kV

- Local Indication: Two distinct LEDs indicate unit power (green) and open fuse (red). Upon the replacement of the fuse, the actuation of the reset switch will reset the open fuse LED
- Flammability Rating: UL 94V0

#### Wirina:

 For power, signal and ground connections use 22-24AWG (0.25mm²) 300V rated wire

Electromagnetic Compatibility (EMC) Testing:

- Electrostatic Discharge Immunity IEC 61000-4-2
- Electrical Fast Transient/Burst Immunity IEC 61000-4-4
- Surge Immunity IEC 61000-4-5

#### Packaging:

- The CH-PLC is packaged individually
- A single unit monitors up to three phases
- Package includes 0.11" (2.8mm) quick connects for power, signal and ground connections

#### Minimum Circuit Voltage:

 Minimum circuit voltage required across the CH holder is 100Vac for the remote indication device to operate

#### Installation Technique:

• Mounts on the left side of the fuse holder and mechanically interlocks with the fuse holder switch handle with hardware provided

IP20 Rating: Yes

#### **Environmental Data:**

• Storage and Operating Temperature: -20°C to 75°C

#### Agency Information:

- UL 508
- cULus to CSA Standard 22.2 No.14

#### **PLC Programming:**

- The CH-PLC signal line is designed to provide a digital input to a PLC I/O card.
- Programmable Logic Control program must be written to properly interpret the input signal to the PLC.
- The PLC program should check for consecutive high signals before taking action on a critical process.

De-energise all circuits before installing or removing any CH-PLC devices and follow all prescribed safety procedures.

### Modular Fuse Holders - 14x51mm

Fuse

Multi-pole with

Multi-pole without

With Neutral Pole

and no Indicator

With Microswitch

With Microswitch

With Microswitch

and Neutral

Mounting Rail

Tool

4-pole

fuse operation only

pre-breaking/ fuse operation/presence

Neutral only

and Indicator
With Neutral Pole

Indicator

Indicator



### **CH14B Series**

With a wide wire range and industry leading ratings - up to 50A, 1500Vdc, 200kA SCCR - the CH14B Series provide worldwide acceptance and easy specification.

Use with 14x51mm cylindrical fuse links, PVA14F photovoltaic fuse links and FW ferrule fuse links.

See data sheet 720148



Approval (	<b>FLY</b>	(W)
Technical Data	IEC	UL
Rated Voltage	690Vac	750Vac
Rated Current	50A	50A
Conductor cross- section, solid (mm²)	1.5-3	5mm²
Conductor cross- section, flexible (mm²)	1.5-25mm²	
Torque (N•m)	3	
SCCR	200kA	
W x H x D (mm)	26.5 x 1	10 x 76
	C14G ar	nd C14M
	FW fe	errule

CH141BI CH142BI 1-pole 2-pole CH143BI CH144BI 4-pole CH141B CH142B 1-pole 2-pole 3-pole CH143B CH144B CH141BNI CH143BNI 1-pole + Neutral 3-pole + Neutral 1-pole + Neutral CH141BN 3-pole + Neutral CH143BN CH141BNX 1-pole CH141BMS CH143BMS 1-pole 3-pole 1-pole CH141BMS-F CH143BMS-F 3-pole CH143DNMS 4-pole



Approval	(II) (III) (III)
Technical Data	IEC
Rated Voltage	1500Vdc
Rated Current	32A
Conductor cross- section, solid (mm²)	1.5-35mm²
Conductor cross- section, flexible (mm²)	1.5-25mm²
Torque (N•m)	3
SCCR	200kA
W x H x D (mm)	26.5 x 110 x 49.5
	PV-A14F
1-pole 2-pole	CH141B-PV CH142B-PV
	DRL35MMHI DRL35MMLO
	<b>•</b>

Fuse

Multi-pole without

Indicator

Mounting Rail

\* pre-breaking/fuse operation/presence microswitch

CH14BNMS-F\*
DRL35MMHI
DRL35MMLO



### **CH22B Series**

With a wide wire range and industry leading ratings - up to 125A, 750Vac, 200kA SCCR - the CH22B Series provide worldwide acceptance and easy specification.

Use with 22x58mm cylindrical fuse links and FW ferrule fuse links.

See data sheet 720150



Approval (E	<b>91.0.</b> (10)
Technical Data	IEC UL
Rated Voltage	690Vac 750Vac
Rated Current	125A 100A
Conductor cross- section, solid (mm²)	1.5-50mm²
Conductor cross- section, flexible (mm²)	1.5-35mm²
Torque (N•m)	4
SCCR	200kA
W x H x D (mm)	35 x 126.5 x 76
	C22G and C22M
	FW ferrule
1-pole 2-pole	CH221B CH222B

Fuse

Multi-pole without Indicator

With Neutral Pole

Neutral only

With Microswitch (fuse operation)

Mounting Rail

Tool

Conductor cross-section, flexible (mm²)  Torque (N•m) 4  SCCR 200kA  W x H x D (mm) 35 x 126.5 x 76  C22G and C22M  FW ferrule  1-pole CH221B 2-pole CH223B 3-pole CH223B 4-pole CH224B  1-pole + Neutral CH221BN CH223BN  1-pole CH221BNX  1-pole CH221BNX  1-pole CH221BNX  1-pole CH221BNX  1-pole CH221BNS CH235MMHD DRL35MMHD DRL35MMHO	()	
SCCR 200kA  W x H x D (mm) 35 x 126.5 x 76  C22G and C22M  FW ferrule  1-pole CH221B 2-pole CH222B 3-pole CH223B 4-pole CH224B  1-pole + Neutral CH221BN  1-pole + Neutral CH221BNX  1-pole CH221BNX  1-pole CH221BNX  1-pole CH221BNX  DRL35MMHI	section, flexible	1.5-35mm²
W x H x D (mm)  35 x 126.5 x 76  C22G and C22M  FW ferrule  1-pole	Torque (N•m)	4
C22G and C22M  FW ferrule  1-pole	SCCR	200kA
FW ferrule	W x H x D (mm)	35 x 126.5 x 76
1-pole CH221B 2-pole CH222B 3-pole CH223B 4-pole CH224B  1-pole + Neutral CH221BN CH223BN  1-pole + Neutral CH221BNX  1-pole CH221BNX  1-pole CH221BNX  DRL35MMHI		C22G and C22M
2-pole		FW ferrule
3-pole + Neutral CH223BN  1-pole CH221BNX  1-pole + Neutral CH221BMS 3-pole + Neutral CH223BMS  DRL35MMHI	2-pole 3-pole	CH222B CH223B
1-pole + Neutral CH221BMS 3-pole + Neutral CH223BMS  DRL35MMHI		
3-pole + Neutral CH223BMS  DRL35MMHI	1-pole	CH221BNX
•		
		•

### **Compact Circuit Protectors (CCP) Series**



### **CCP Series**

The revolutionary Cooper Bussmann CCP is 1/3 the footprint of a molded base circuit breaker. The level of protection provided by the CCP is up to three times the Short-Circuit Current Rating (SCCR) at full voltage than a molded case circuit breaker while providing disconnecting means.

See data sheet 1157

#### **Specifications**

- Box Lug and Spade Terminal suitable for line, load or accessory connection
- Box Lug Connection:
  - 18-6 AWG (1 to 16mm²) single or dual rated, solid or stranded 75°C or higher - Cu only
  - 4 AWG (25mm<sup>2</sup>) single 75°C or higher Cu only
- Spade Terminal Connection:
  - Max. 30A suitable for use with #8-32 UNC (M4) screw
- Torque:
  - 18-10 AWG 20 Lb-In (1-6mm<sup>2</sup>/3.4N•m)
  - 8-4 AWG 35 Lb-In (10-25mm<sup>2</sup>/5.8N•m)
- Lockout/tagout: 4mm shank lock or standard pin-out devices
- 35mm DIN-Rail mount
- Dimensionally compliant to DIN 43880
- Local indication minimum operating voltage:
  - 90Vac for AC version
  - 12Vdc for DC version

### **Agency Information**

#### **UL Class CC fuse version**

- UL 98 Listed, File E302370, Guide WHTY
- cULus to CSA Standard 22.2 No. 4-04, File 302370, Guide WHTY7
- CE Compliant

#### **UL Midget fuse version**

- UL 508 Listed
- cULus Certified 22.2 No. 14-05
- CE Compliant

#### 10x38 IEC Class aM and gG/gL fuse version

- IEC 60947-3 AC23A
- IEC 60947-3 DC23A
- CE Compliant

#### **Shipping Weight**

• 2.84 lbs (1.29kg) per carton





### **NH Bases**

NH fuse bases with thermoplastic bodies, DIN-Rail and/or screw mounting (size 4 screw mounting only).

Range of accessories available including phase barriers, IP20 finger-safe protection kits and neutral links. Microswitch also available for remote signaling of fuse link operation.

See data sheet 720136

### **Specifications**

Catalogue Symbol:

SD(size)-D, SD(size)-S: 1-pole TD(size)-D, TD(size)-DI: 3-pole Size 4: SD4-S and SD4-S1600

Technical Data:

Rated Voltage: 690Vac Rated Current: 160 - 1600A

Rated for Fuse Links with Breaking Capacity: 120kA

#### **Features**

- Complies with IEC 60269-1 and 2 fuse system A (NH base), manufacturers' type test certificates of compliance available.
- 3-Pole integral NH00 base available with reduced width.
- Clip-in phase barriers, terminal shrouds and fuse covers available.
- Vibration tested to IEC 60068-2-6 for marine use.
- Full range of accessories available.

### **Agency Information**

- IEC 60269-1 and 2
- VDE 0636-1 and 2

### **Surge Protective Devices**



### **SPD Series**

Surge Protection Made Simple™ High performance lightening and surge protection products for all photovoltaic, IEC, wind and power applications.

Modular 35mm DIN-Rail design with colour-coding and rejection features makes it easy to identify, install and maintain.



Patented, Fast-Acting and Safe Surge Protection Solutions for Global Photovoltaic Solutions

- Patented, fast-acting Short-Circuit Interrupting (SCI) technology responds efficiently to overvoltage conditions.
- Built-in overcurrent protection elminates the need for any additional fuse installation and wiring.
- easyID<sup>TM</sup> Visual indication and optional remote contact signaling make status monitoring simple.
- Modular DIN-Rail design with color-coding and rejection feature makes it easy to identify, install and maintain.

For further details see data sheets:

- Class
- Lightning Arrester One-Pole # 2148
- Class II
- Surge Arrester Two modules
- # 2145
- Surge Arrester Three Modules # 2055



High Performance Lightning and Surge Protection Products for all IEC Applications

- Vibration and shock resistant according to EN 60068-2 standards.
- easyID™ Visual indication and optional remote contact signaling make status monitoring simple.
- High surge discharge capacity due to heavy-duty zinc oxide varistor and spark gap technology.
- Wide range of IEC Class I and Class II SPD covering all the major markets around the world.
- Modular DIN-Rail design with color-coding and rejection features makes it easy to identify, install and maintain.

For further details see data sheets:

- Class I:
- 2-Pole # 1163
- 3-Pole # 1164
- 4-Pole # 1165
- Class II:
- 1-Pole # 1166
- 2-Pole # 1167
- 3-Pole # 1168
- 4-Pole # 1169



Comprehensive High SCCR Surge Protection Solutions for North American UL 508A Applications

- UL 1449 3<sup>rd</sup>Edition
  Recognised SPD devices provide
  optimum surge protection for the
  United States and Canadian
  panel markets.
- Modular DIN-Rail design with color coding and rejection feature makes it easy to identify, install and maintain.
- easyID<sup>TM</sup> Visual indication and optional remote contact signaling make status monitoring simple.
- Vibration and shock resistant according to EN 60068-2 standards to withstand harsh environments.
- IP20 Finger-safe design improves electrical safety.

For further details see data sheets:

- 1-Pole # 2149
- 2-Pole # 2150
- 3-Pole # 2151
- 4-Pole # 2152





Advanced, Easy-to-Use Surge & Lightning Protection Products for Wind Power Systems

- Modular DIN-Rail design with color-coding and rejection features makes it easy to identify, install and maintain.
- High surge discharge capacity due to heavy-duty zinc oxide varistor and spark-gap technology.
- easyID<sup>TM</sup> Visual indication and optional remote contact signaling make status monitoring simple.
- Vibration and shock resistant according to EN 60068-2 standards.
- Wide range of IEC Class I and Class II SPD covering all the major markets around the world.

For further details see data sheets:

- Class I:
- 1-Pole # 2091
- Class II:
- 1-Pole # 2092
- 2-Pole # 2093
- 3-Pole # 2094 • 4-Pole # 2095



Efficient and reliable Network Protection for Low Voltage and Telecommunication Applications.

- Modular DIN-Rail design with color-coding and rejection feature makes it easy to identify, install and maintain.
- High surge discharge capacity provided by combination of spark-gap and heavy-duty zinc oxide varistor.
- easyID<sup>TM</sup> Visual indication and optional remote contact signaling make status monitoring simple.
- Vibration and shock resistant according to EN 60068-2 standards.
- Energy coordination with other Cooper Bussmann DIN-Rail surge protective devices

For further details see data sheets:

- Type 2:
- 1-Pole Power # 2056
- Type 3:
- 2-Pole Control # 2057

#### **Customer Assistance**

#### **Customer Satisfaction Team**

The Cooper Bussmann Customer Satisfaction Team is available to answer questions regarding Cooper Bussmann products.

Europe calls can be made between:

Monday - Thursday 7.30 a.m. - 5.30 p.m. GMT Friday 7.30 a.m. - 5.00 p.m. GMT

The Customer Service Satisfaction Team can be reached via:

- Phone: 00 44 (0) 1509 882 600
- Fax: 00 44 (0) 1509 882 786
- Email: bulesales@cooperindustries.com

#### C<sup>3</sup> Cooper Customer Center

The Cooper C<sup>3</sup> portal supports the following Cooper Divisions: Cooper B-Line, Cooper Bussmann, Cooper Crouse-Hinds, Cooper Lighting, Cooper Power Systems, Cooper Safety, and Cooper Wiring Devices. Get started today at WWW.COOPERC3.COM by clicking Request User ID and Password.

- Easy to Navigate
- Simple to Use
- Real-Time Data

#### **Online Resources**

Visit www.cooperbussmann.com for the following resources:

- Product cross reference
- Product profiles
- Online catalogues for the latest United States and European catalogues

#### **Application Engineering**

Application Engineering assistance is available to all customers. The Application Engineering team is staffed by university-qualified electrical engineers who are available with technical and application support.

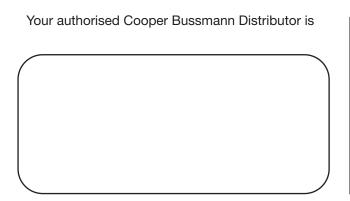
Europe calls can be made between:

Monday - Thursday 8.30 a.m. - 4.30 p.m. GMT Friday 8.30 a.m. - 4.00 p.m. GMT

Application Engineering can be reached via:

- Phone: 00 44 (0) 1509 882 699
- Fax: 00 44 (0) 1509 882 794
- Email: buletechnical@cooperindustries.com

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Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

#### Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов:
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001:
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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