

DIODE MODULES & COMPONENT CARRIERS

INTERFACES

DM Diode Module

35 or 32mm DIN Rail Mount

Wire individually labeled diodes into existing circuits for freewheeling, DC inductive kick suppression (commutating), reverse DC polarity protection, etc. Use bussed diodes for distribution of logic Vcc or ground, or gather and decouple electrical signals for lamp testing or collective fault messages. Use as commutating diodes across inductive loads such as DC relays, solenoid valves, actuator magnets, etc. to suppress voltage surges.

Standard modules include series connection diode circuits in 1 Amp and 3 Amp versions, and diode gates with bussed anodes or cathodes.

- Screw-Cage Clamp Connections
- Special Configurations Available
- DIN Rail Mount, Panel Mount Available

INTERFACES

Component Carriers

35 or 32mm DIN Rail

Use Component Carriers to modify and/or build circuits to meet special requirements. Type CCA requires removal of the single solder-side printed circuit board from the mounting track for soldering of components. Posts or through-leads can be installed for future field connections. Contact Altech for custom installation of solder posts. Type BSM allows field additions of diodes for decoupling, line crossovers for testing or multiplying tie-in terminals for a line. Pre-installed flat, fork-and-eyelet soldering posts allow component-side mechanical and solder connections with minimum disruption to wiring and mounted devices.

- Screw-Cage Clamp Connections
- Terminal Blocks are Numbered for Easy Wire Identification
- DIN Rail Mount, Panel Mount Available

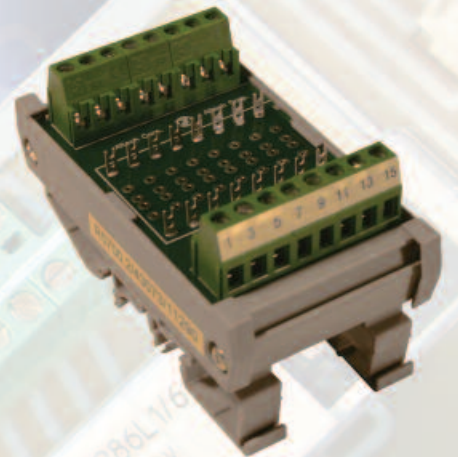
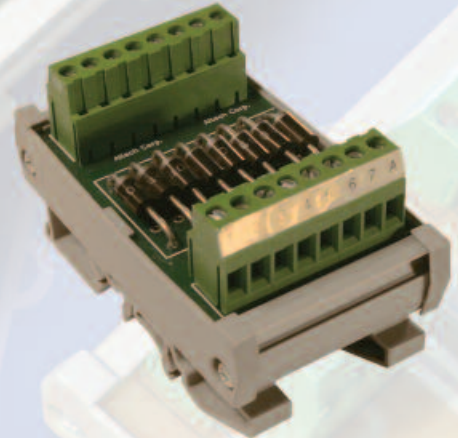
INTERFACES

Dip Socket Carrier - 3 Amp

35 or 32mm DIN Rail Mount

Enhance design capabilities with Dual In-Line Package (DIP) Socket Carriers, the most versatile socket available. Use our DIPC's for reed-relays, power relays, photo-isolated Input/Output modules, in-line switches, thin film resistors and more. The Altech DIPC is rated 3 Amp and is available in 14, 16 and 20 pin socket configurations. Each DIPC module has several component solder pads for loading circuit-building components.

- Screw-Cage Clamp Connections
- 4 to 5 Component Solder Pads Per Line
- .9mm (.035 in.) Diameter Component Mounting Holes
- DIN Rail Mount, Panel Mount Available



Interface Modules

Diode modules & component carriers



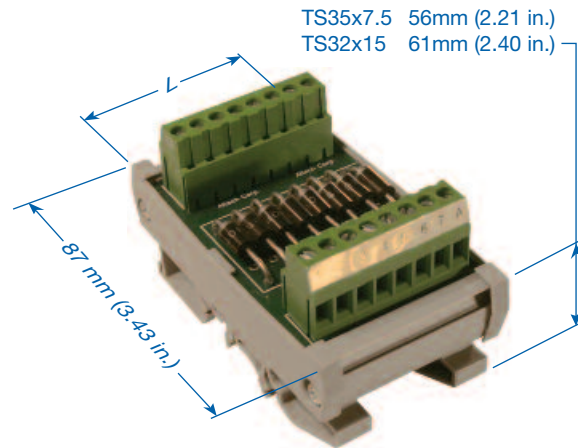
INTERFACES

DM Diode Module 35 or 32 mm DIN Rail Mount

Technical Information

Diode	Rated Current
1N4007 or equivalent	1A
1N5408 or equivalent	3A
P600M or equivalent	6A

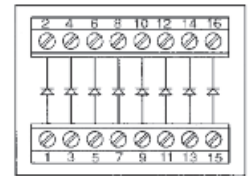
Maximum Blocking Voltage - 1000V DC
 Rated Bus Current: 10A
 (12A at 30°C (86°F) Temperature Rise)
 Wire Range0.5-4 mm²; 22-12 AWG
 Voltage250V AC
 Torque0.5-4 Nm / 4 lbs-in.
 Stripping Length ...8 mm



SCREW CLAMP *

1 AMP

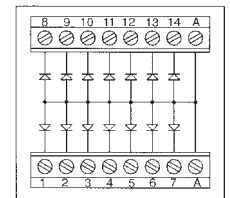
Part Number	Type	Ordering Information	No. of Diodes	Diode	Module Length (L) in mm(in.)	Std. Pk.	Figure
8971.2	DM4-S	Series Connection, 1A diodes	4	1N4007	24 (0.95)	1	A
5702.2	DM8-S	Series Connection, 1A diodes	8	1N4007	44 (1.73)	1	A
5703.2	DM12-S	Series Connection, 1A diodes	12	1N4007	64 (2.52)	1	A
8973.2	DM16-S	Series Connection, 1A diodes	16	1N4007	92 (3.62)	1	A
8974.2	DM20-S	Series Connection, 1A diodes	20	1N4007	112 (4.41)	1	A
8975.2	DM24-S	Series Connection, 1A diodes	24	1N4007	132 (5.20)	1	A
8842.2	DM6-A-S	Bussed Anodes, 1A diodes	6	1N4007	30 (1.18)	1	B
5704.2	DM14-A-S	Bussed Anodes, 1A diodes	14	1N4007	50 (1.97)	1	B
5705.2	DM22-A-S	Bussed Anodes, 1A diodes	22	1N4007	70 (2.75)	1	B
8850.2	DM6-K-S	Bussed Cathodes, 1A diodes	6	1N4007	30 (1.18)	1	C
5706.2	DM14-K-S	Bussed Cathodes, 1A diodes	14	1N4007	50 (1.97)	1	C
5707.2	DM22-K-S	Bussed Cathodes, 1A diodes	22	1N4007	70 (2.75)	1	C



DM8 - S
Figure A

3 AMP

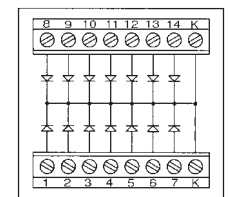
Part Number	Type	Ordering Information	No. of Diodes	Diode	Module Length (L) in mm(in.)	Std. Pk.	Figure
8971.3	DM4-S3	Series Connection, 3A diodes	4	1N5408	24 (0.95)	1	A
5702.3	DM8-S3	Series Connection, 3A diodes	8	1N5408	44 (1.73)	1	A
5703.3	DM12-S3	Series Connection, 3A diodes	12	1N5408	64 (2.52)	1	A
8973.3	DM16-S3	Series Connection, 3A diodes	16	1N5408	92 (3.62)	1	A
8974.3	DM20-S3	Series Connection, 3A diodes	20	1N5408	112 (4.41)	1	A
8975.3	DM24-S3	Series Connection, 3A diodes	24	1N5408	132 (5.20)	1	A
8842.3	DM6-A-S3	Bussed Anodes, 3A diodes	6	1N5408	30 (1.18)	1	B
5704.3	DM14-A-S3	Bussed Anodes, 3A diodes	14	1N5408	50 (1.97)	1	B
5705.3	DM22-A-S3	Bussed Anodes, 3A diodes	22	1N5408	70 (2.75)	1	B
8850.3	DM6-K-S3	Bussed Cathodes, 3A diodes	6	1N5408	30 (1.18)	1	C
5706.3	DM14-K-S3	Bussed Cathodes, 3A diodes	14	1N5408	50 (1.97)	1	C
5707.3	DM22-K-S3	Bussed Cathodes, 3A diodes	22	1N5408	70 (2.75)	1	C



DM14 - A - S
Figure B

6 AMP

Part Number	Type	Ordering Information	No. of Diodes	Diode	Module Length (L) in mm(in.)	Std. Pk.	Figure
8971.4	DM4-S6	Series Connection, 6A diodes	4	P600M	24 (0.95)	1	A
5702.4	DM8-S6	Series Connection, 6A diodes	8	P600M	44 (1.73)	1	A
5703.4	DM12-S6	Series Connection, 6A diodes	12	P600M	64 (2.52)	1	A
8973.4	DM16-S6	Series Connection, 6A diodes	16	P600M	92 (3.62)	1	A
8974.4	DM20-S6	Series Connection, 6A diodes	20	P600M	112 (4.41)	1	A
8975.4	DM24-S6	Series Connection, 6A diodes	24	P600M	132 (5.20)	1	A
8842.4	DM6-A-S6	Bussed Anodes, 6A diodes	6	P600M	30 (1.18)	1	B
5704.4	DM14-A-S6	Bussed Anodes, 6A diodes	14	P600M	50 (1.97)	1	B
5705.4	DM22-A-S6	Bussed Anodes, 6A diodes	22	P600M	70 (2.75)	1	B
8850.4	DM6-K-S6	Bussed Cathodes, 6A diodes	6	P600M	30 (1.18)	1	C
5706.4	DM14-K-S6	Bussed Cathodes, 6A diodes	14	P600M	50 (1.97)	1	C
5707.4	DM22-K-S6	Bussed Cathodes, 6A diodes	22	P600M	70 (2.75)	1	C



DM14 - K - S
Figure C

* Spring Terminal is available; add suffix S to end of part number. Example: Part Number 8971.2/S for Spring Terminal.

Interface Modules

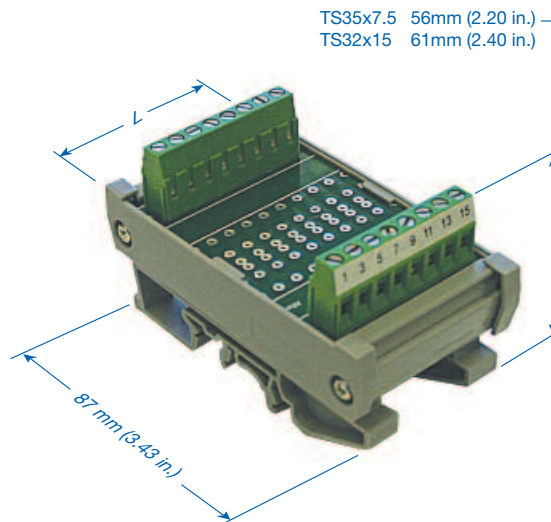
Diode modules & component carriers

INTERFACES

CCA Component Carrier 35 or 32 mm DIN Rail Mount with PTH holes

Technical Information

Current6 A (12 A Bus)
 Terminal.....15 A
 Voltage250V AC
 Wire Range0.5-4 mm² / 22-12 AWG
 Torque0.5-4 Nm / 4 lbs-in.
 Stripping Length ...8 mm

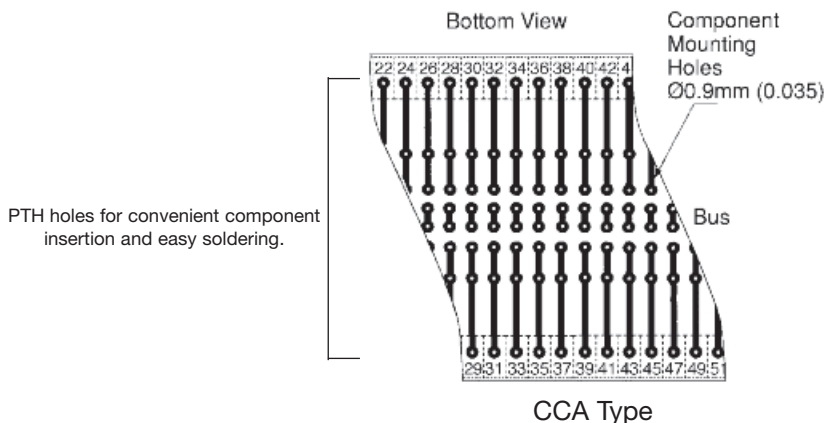


SCREW CLAMP

Part Number	Type	No. of Poles	Module Length (L) in mm(in.)	Std. Pk.
8835.2	CCA4	4	24 (.87)	1
8836.2	CCA8	8	44 (1.65)	1
8837.2	CCA12	12	64 (2.44)	1
8838.2	CCA16	16	84 (3.23)	1
8839.2	CCA20	20	104 (4.02)	1
8840.2	CCA24	24	124 (4.80)	1

SPRING CLAMP

Part Number	Type	No. of Poles	Module Length (L) in mm(in.)	Std. Pk.
8835.2/S	CCA4	4	24 (.87)	1
8836.2/S	CCA8	8	44 (1.65)	1
8837.2/S	CCA12	12	64 (2.44)	1
8838.2/S	CCA16	16	84 (3.23)	1
8839.2/S	CCA20	20	104 (4.02)	1
8840.2/S	CCA24	24	124 (4.80)	1



CCA Type

Interface Modules

Diode modules & component carriers

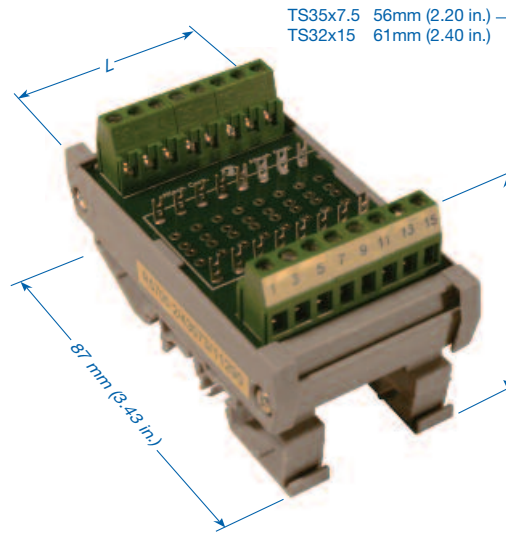


INTERFACES

BSM Component Carrier 35 or 32 mm DIN Rail Mount with solder posts

Technical Information

Current6 A (12 A Bus)
Terminal.....15 A
Voltage250V AC
Wire Range0.5-4 mm² / 22-14 AWG
Torque0.5-4 Nm / 4 lbs-in.
Stripping Length ...8 mm

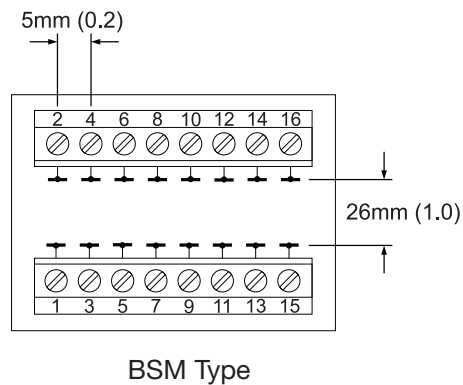
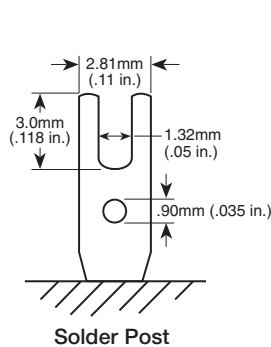


SCREW CLAMP

Part Number	Type	No. of Poles	Module Length (L) in mm(in.)	Std. Pk.
5700.2	BSM8-S	16	47 (1.85)	1
5701.2	BSM12-S	24	69 (2.72)	1

SPRING CLAMP

Part Number	Type	No. of Poles	Module Length (L) in mm(in.)	Std. Pk.
5700.2/S	BSM8-S	16	47 (1.85)	1
5701.2/S	BSM12-S	24	69 (2.72)	1



Interface Modules

Diode modules & component carriers

INTERFACES

Dip Socket Carrier - 3 Amp 35 or 32mm DIN Rail Mount

Typical Applications:

14 Pin

Magnecraft® Classes 107, 171, 172;

S-D® Series MRR-D; Hamlin® 700;

Dale® TDP14 Resistors; etc.

16 Pin

Most P&B® including T85 Hi Sens and

I/O Modules IA, OA, OD16;

Midtex® 190 Power;

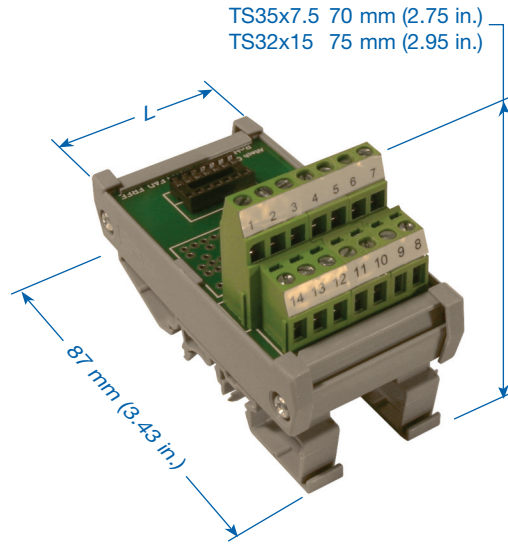
Augat® Alcoswitch® GD, AD Series, etc.

20 Pin

C&K® BD series switches;

Grayhill® 79 coded switches;

AMP® 7600 shunts; etc.



Technical Information

Current3 A^a

Voltage250V AC

Wire Range0.5-4 mm² / 22-12 AWG

Torque0.5-4 Nm / 4 lbs-in.

Stripping Length ...8 mm

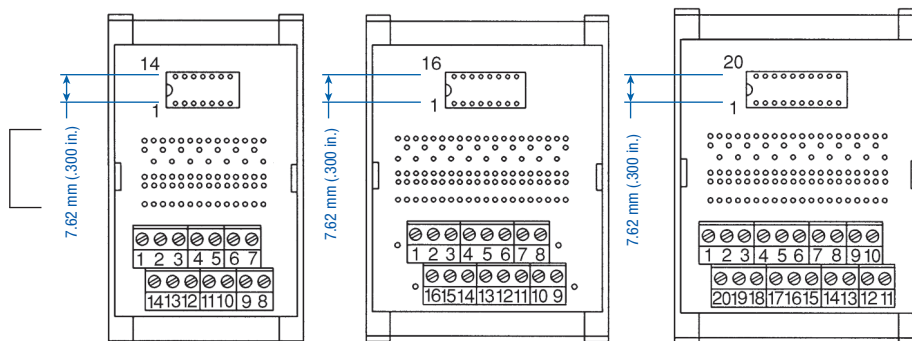
SCREW CLAMP

Part Number	Type	No. of Poles	Module Length (L) in mm(in.)	Std. Pk.
8937.2	DIPC14	14	45 (1.77)	1
8938.2	DIPC16	16	68 (2.68)	1
8939.2	DIPC20	20	68 (2.68)	1

SPRING CLAMP

Part Number	Type	No. of Poles	Module Length (L) in mm(in.)	Std. Pk.
8937.2/S	DIPC14	14	45 (1.77)	1
8938.2/S	DIPC16	16	56 (2.20)	1
8939.2/S	DIPC20	20	56 (2.20)	1

PTH holes for convenient component insertion and easy soldering.



^a Current Ratings

Printed Circuit Traces: 3.5A

Terminal Blocks: 15A

Dip Socket: 3A