

# Interface Modules

## Diode modules & component carriers



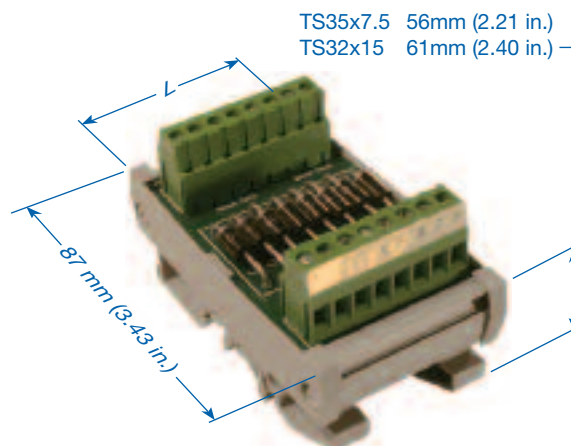
### INTERFACES

#### 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 Range .....0.5-4 mm <sup>2</sup> ; 22-12 AWG |               |
| Voltage .....250V AC                              |               |
| Torque .....0.5-4 Nm / 4 lbs-in.                  |               |
| Stripping Length ...8 mm                          |               |



### SCREW CLAMP \*

#### 1 AMP

| Part Number | Type     | Ordering Information         | No. of Diodes | Diode  | Module Length (L)<br>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      |

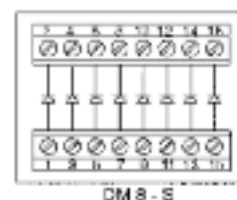


Figure A

#### 3 AMP

| Part Number | Type      | Ordering Information         | No. of Diodes | Diode  | Module Length (L)<br>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      |

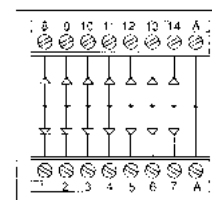


Figure B

#### 6 AMP

| Part Number | Type      | Ordering Information         | No. of Diodes | Diode | Module Length (L)<br>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      |

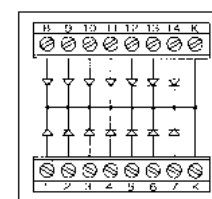


Figure C

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