

DIGITAL I/O MODULES

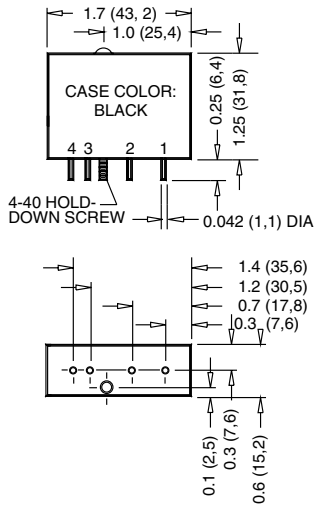
0.6 INCH, M, SM OUTPUT MODULES



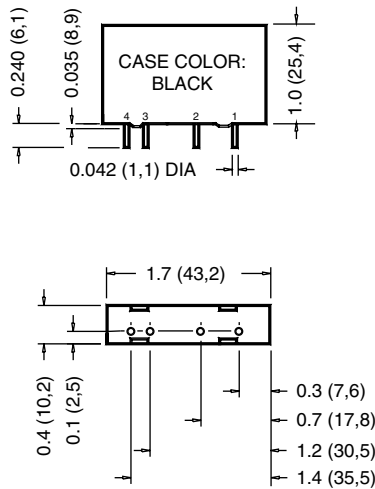
FEATURES:

- CE Compliant
- Available in three physical configurations
- UL Recognized (E46203) / CSA Certified (38595)
- 4 kV Optical Isolation

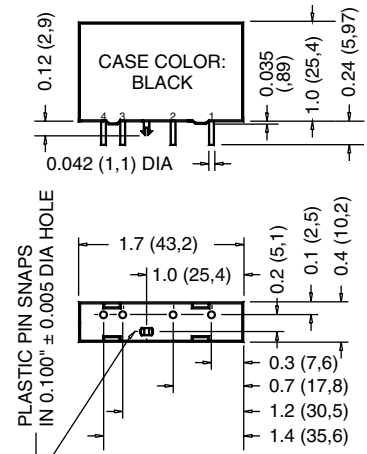
0.6" SERIES



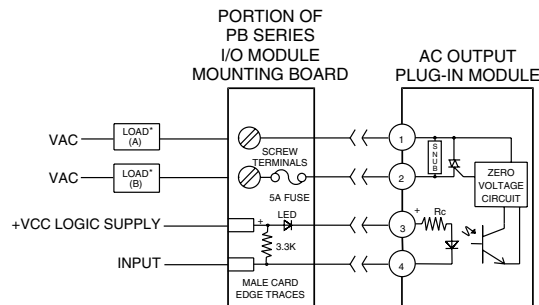
M SERIES



SM SERIES



DIMENSIONS: INCHES (MILLIMETERS)
TOLERANCE: ± 0.020 (± 0.50)



Products and specifications subject to change without notice.
Consult factory for application assistance.

DIGITAL I/O MODULES

0.6 INCH, M, SM OUTPUT MODULES

INPUT SPECIFICATIONS: (1)

| Model Number | OACU | SMOACU | Units |
|---------------------|---------|----------|-------|
| | OACUA | SMOACUA | |
| | OACUAH | SMOACUAH | |
| | MOACU | | |
| | MOACUA | | |
| | MOACUAH | | |
| Nominal Voltage | | 15 | VDC |
| Minimum Voltage (2) | | 3 | VDC |
| Maximum Voltage | | 15 | VDC |
| Drop-Out Voltage | | 1 | VDC |
| Maximum Current (3) | | 44 | mA |
| Resistance (4) | | 360 | Ohms |

OUTPUT SPECIFICATIONS: (1)

| Model Number | OACU | OACUA | OACUAH |
|------------------------------------------|-------------------|-------------------|-------------------|
| | MOACU | MOACUA | MOACUAH |
| | SMOACU | SMOACUA | SMOACUAH |
| Nominal Line Voltage | 120 VAC | 240 VAC | 240 VAC |
| Minimum Line Voltage | 12 VAC | 24 VAC | 24 VAC |
| Maximum Line Voltage | 140 VAC | 280 VAC | 280 VAC |
| Max Off-State Voltage (5) | 400 Vpeak | 600 Vpeak | 600 Vpeak |
| Max Off-State Leakage (6) | 1.75 mA | 1.75 mA | 1.75 mA |
| Static Off-State dv/dt (7) | 200 V / μ sec | 200 V / μ sec | 200 V / μ sec |
| Maximum Rated On-State Current (8) | 3.5 Arms | 3.5 Arms | 5.0 Arms |
| Minimum On-State Current | 50 mArms | 50 mArms | 50 mArms |
| Maximum Surge Current (9) | 100 Apeak | 100 Apeak | 250 Apeak |
| On-State Voltage Drop or Resistance (10) | 1.6 V | 1.6 V | 1.6 V |
| H.P. Rating (13) | 1/4 H.P. | 1/4 H.P. | |

GENERAL SPECIFICATIONS: (1)

| Model Number | OACU | MOACU | SMOACU | Units |
|-------------------------------------|--------|------------|----------|-------|
| | OACUA | MOACUA | SMOACUA | |
| | OACUAH | MOACUAH | SMOACUAH | |
| Operating Temperature Range | | -30 to 80 | | °C |
| Storage Temperature Range | | -40 to 100 | | °C |
| Maximum Turn-on Time (11) | | 8.33 | | mSec |
| Maximum Turn-off Time (11) | | 8.33 | | mSec |
| Input/Output Isolation Voltage (12) | | 4000 | | VAC |
| Input/Output Capacitance (typical) | | 8 | | pF |
| Line Frequency Range | | 47 to 63 | | Hertz |

TABLE OF MODEL NUMBER SUFFIXES IDENTIFYING OPTIONAL FEATURES

Suffix Feature

Notes:

- (1) Specifications apply to an ambient temperature of -30 to 80°C unless otherwise noted.
- (2) Without external LED status indicator. Add 1.7 volt for external LED if utilized.
- (3) At nominal input voltage, without external LED status indicator.
- (4) +/-10% at 25°C.
- (5) Maximum 1 minute duration for OAC modules when applied as a DC voltage rather than peak AC voltage.
- (6) At maximum line voltage, 25°C for OAC modules.
- (7) Minimum dv/dt per EIA/NARM RS443, method RS397.
- (8) At 40°C, derate OAC modules by 58 mA/°C to 80°C. CSA rating of OAC modules is 3.0 Arms at 40°C.
- (9) At 25°C. Maximum duration: 1 AC cycle for OAC modules.
- (10) At maximum rated on-state current and 25°C.
- (11) At maximum line voltage, maximum rated output current, nominal input voltage, 25°C. Switching speed of OAC modules based upon 60 Hz line frequency.
- (12) At 25°C for 1 second maximum duration.
- (13) 1/4 H.P. at 240 VAC, 1/8 H.P. at 120 VAC.

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