VincentAssociates®

UNIBLITZ® SHUTTER SYSTEMS



DSS35B

35MM BI-STABLE SHUTTER

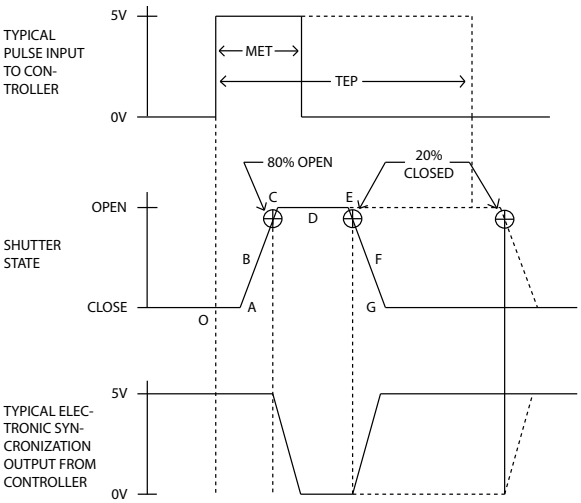
RoHS

The UNIBLITZ DSS35B Shutter is the latest in our powerful line of DSS Shutter Systems. The DSS (Design Scalable Shutters) are a series of patented devices that have proven to have an extremely high level of reliability within any application. This level of reliability prompts a 2,000,000-exposure guarantee that provides high levels of assurance in critical customer applications.

KEY FEATURES

- No power required to hold in open or closed state
- Flat mounting surfaces
- Coated blades available
- Reccommended for use with VED24 Driver

TIMING



Timing data recorded with VED24 driver with drive pulse equal to MET.

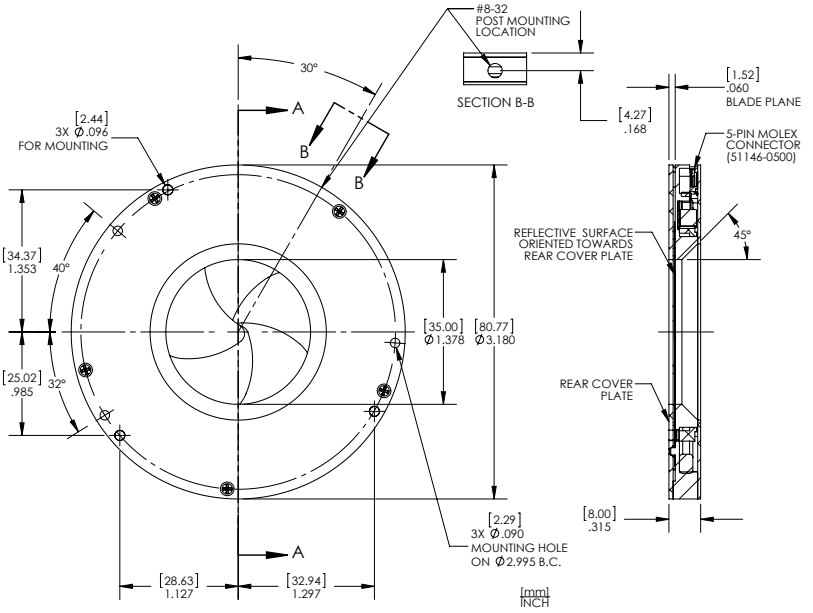
	DSS35B	TIME (msec)
O-A:	Delay time on opening after current is applied	19.0
A-C:	Transfer time on opening	23.0
O-C:	Total opening time	42.0
C-E:	Min. dwell time with min. input pulse	23.0
B-F:	Min. equivalent exp. time	45.0
D-E:	Delay time on closing after current is applied	18.0
E-G:	Transfer time on closing	20.0
A-G:	Total window time	66.0
MET:	Min. exposure time	45.0
TEP:	Typical exposure pulse	>45.0

MECHANICAL

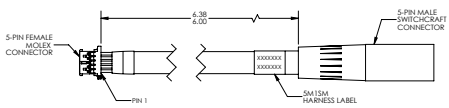
SERIES	WEIGHT (GRAMS)	OPERATING TEMP. (°C)	MAX OPENING BOUNCE	MAX CLOSING BOUNCE	MAX FREQUENCY OF OPERATION[1]	NUMBER OF SHUTTER BLADES
DSS35B	54.5	-10 to +60	15%	5%	1.5 Hz / 3.0 Hz	5

ELECTRICAL

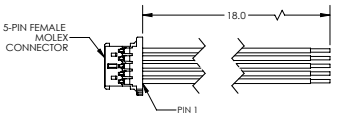
COIL RESISTANCE	PULSE VOLTAGE TO OPEN
8.0 OHMS	+10.7 VDC



5M1SM (INCLUDED)



5M1P (INCLUDED)



803 Linden Avenue • Rochester, NY 14625 • 585-385-5930 tel • 800-828-6972 toll-free • 585-385-6004 fax • www.uniblitz.com

Due to our ongoing product development program, Vincent Associates reserves the right to discontinue or change specifications or designs at any time, without incurring any obligations. Teflon is a registered trademark of E.I. DuPont. Drawings shown for illustrative purposes only. Updated 01/15. Specification sheet Ver. 5.0

VincentAssociates®

UNIBLITZ® SHUTTER SYSTEMS

5M1SM PIN CHART		
5-PIN FEMALE MOLEX PIN	**SIGNAL**	**5-PIN MALE SWC PIN**
1	SHUTTER (+)	**1**
2	SHUTTER (-)	**2**
3	SYNC OUTPUT (+)	**3**
4	+5VDC REG. (SYNC)	**4**
5	GND	**5**

5M1P PIN CHART		
5-PIN FEMALE MOLEX PIN	**WIRE COLOR**	**SIGNAL**
1	RED	SHUTTER (+)
2	BROWN	SHUTTER (-)
3	YELLOW	SYNC OUTPUT (+)
4	BLUE	+5VDC REG. (SYNC)
5	GREEN	GND

DSS35B PRODUCT OPTIONS

PART NUMBER: **DSS35B** (1) (2) (3) (4)

Example Part Number: DSS35B1T1

AVAILABLE OPTIONS

1) Aperture Size/Type:
- **DSS35B:** 35mm

2) Housing:
- **1:** Unhoused

3) Blade Finish:[3]
- **T:** Teflon® Coated S.S. Blades
- **ZM:** AlMgF2 Coated BeCu Blades[2]

4) Electronic Sync:
- **1:** Electronic Sync included

[1](CONT/BURST) CONTinuous frequency rating specified at shutter's minimum exposure pulse. BURST frequency rating specified for (4) four seconds maximum with (1) one minute minimum between bursts. Frequency measurements are taken in free air, 25°C ambient, actuator coil equipped with heat sink. For additional information on maximum sustained frequencies obtainable, please contact one of our technical representatives.

[2]Input side only, Teflon® coating is on opposite side. Intended to protect the shutter blade surface, light source must be input to the reflective side only.

[3]Other blade options are available through special order.

[4]Custom terminations are available, please contact a technical representative.

803 Linden Avenue • Rochester, NY 14625 • 585-385-5930 tel • 800-828-6972 toll-free • 585-385-6004 fax • www.uniblitz.com

Due to our ongoing product development program, Vincent Associates reserves the right to discontinue or change specifications or designs at any time, without incurring any obligations. Teflon is a registered trademark of E.I. DuPont. Drawings shown for illustrative purposes only. Updated 01/15. Specification sheet Ver. 5.0