

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0399700105

Status:

Active

Description:

10.16mm (.400") Beau™ Eurostyle™ Fixed Mount PCB Terminal Block, High Power 60A, 5 Circuits

Documents:

3D Model

RoHS Certificate of Compliance (PDF)

Drawing (PDF)

Agency Certification

UL

E48521

General

Product Family

Terminal Blocks

Series

39970

Application

Wire-to-Board

Component Type

One Piece

Product Name

Eurostyle™ Fixed Mount

Type

Euro Block

Physical

Circuits (Loaded)

5

Circuits (maximum)

5

Color - Resin

Black

Entry Angle

Horizontal

Flammability

94V-0

Lock to Mating Part

None

Material - Metal

Copper

Material - Plating Mating

Tin

Material - Plating Termination

Tin

Material - Resin

Polyester

Number of Rows

1

Orientation

Vertical

PC Tail Length (in)

0.160 In

PC Tail Length (mm)

4.06 mm

PCB Retention

None

Panel Mount

No

Pitch - Mating Interface (in)

0.400 In

Pitch - Mating Interface (mm)

10.16 mm

Pitch - Term. Interface (in)

0.400 In

Pitch - Term. Interface (mm)

10.16 mm

Plating min: Mating (µin)

150

Plating min: Mating (µm)

3.8

Plating min: Termination (µin)

150

Plating min: Termination (µm)

3.8

Polarized to Mating Part

N/A

Shrouded

Fully

Stackable

No

Surface Mount Compatible (SMC)

No

Temperature Range - Operating

130°C

Termination Interface: Style

Through Hole

Wire Size AWG

10, 12, 14, 16, 18, 8

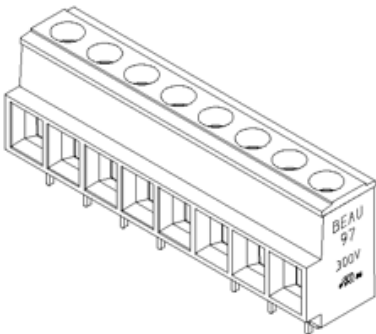
Wire Size mm²

0.75 - 10.0

Electrical

Current - Maximum per Contact

60A



Series
image - Reference only

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

China RoHS



Need more information on product environmental compliance?

Email productcompliance@molex.com

For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

39970Series

Mates With

N/A

Voltage - Maximum	300V
Solder Process Data	
Lead-free Process Capability	Wave Capable (TH only)
Material Info	
Old Part Number	970505
Reference - Drawing Numbers	
Sales Drawing	SD-39970-003

This document was generated on 04/27/2010

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F

E

D

C

B

A

F

E

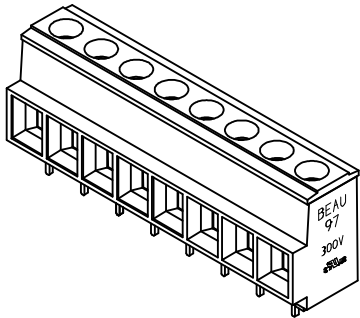
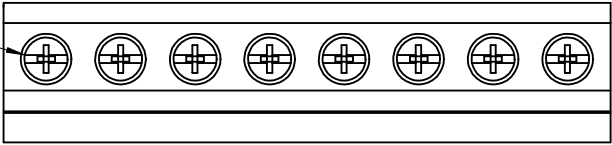
D

C

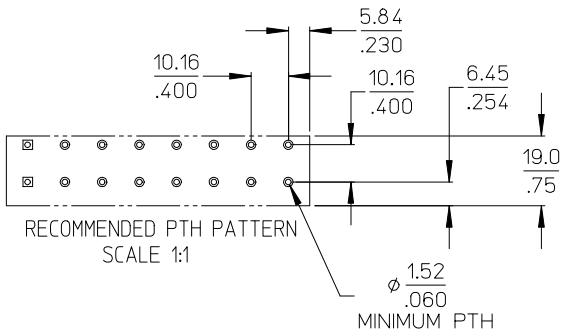
B

A

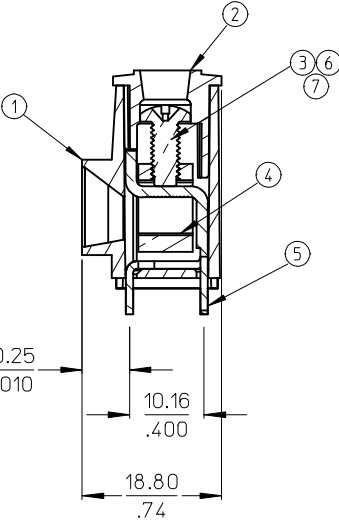
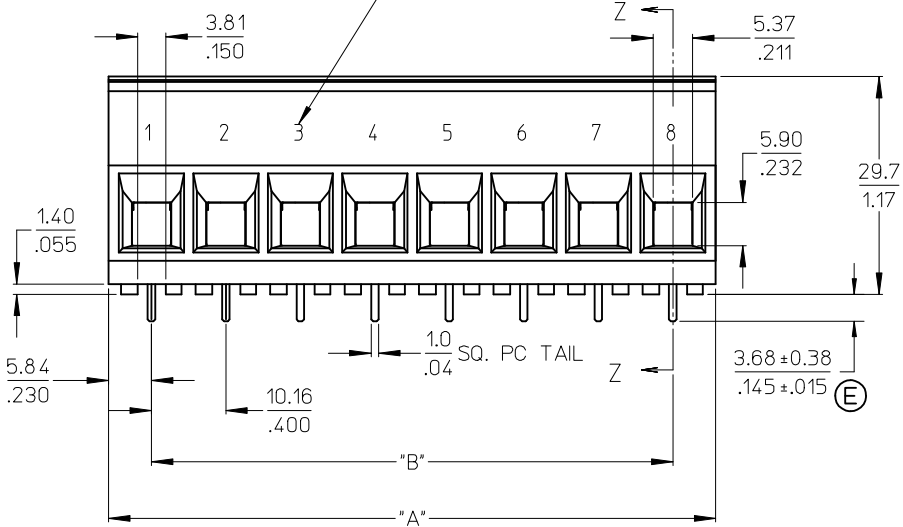
POZI SLOT SHOWN
SLOTTED SCREW OPTIONAL



OPTIONAL IMPRINTING, 3.2 (1/8),
10A SHOWN, 11A REVERSED



- NOTES:
1. MATERIAL: SEE TABLE.
 2. FINISHES: SEE TABLE.
 3. PRODUCT SPECIFICATION: NOT REQUIRED.
 4. PACKAGING: NOT REQUIRED.
 5. MATES WITH: NONE.
 6. ALL FEATURES ARE TYPICAL UNLESS OTHERWISE NOTED.
 7. PART IS DESIGNED TO MEET UL 1059 CLASS C 300V, 60A.
 8. "XX" REFERS TO NUMBER OF CIRCUITS.
 9. FOR OPTIONAL IMPRINTING REFER TO SD-38120-005
 10. ASSEMBLY IS ROHS COMPLIANT.



SECTION Z-Z

7	XX	SCREW, M4 X .07 POZI-SLOT (-56 OPT)	ST. STEEL	TIN PLATE	UPDATE TERM. HEIGHT DIM. EC NO: WNA2009-0445 DRWN: JENC INAS 2009/07/01 CHKD: CYORK 2009/07/02 APPR: JMACNEIL 2009/07/02	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE		
6	XX	SCREW, M4 X 0.7 SLOTTED	BRONZE	TIN PLATE				MM/IN		3:2	INCH	PROJECTION		
5	XX	TERMINAL	COPPER	TIN PLATE				DRAWN BY DATE		TITLE 10.16MM/.400 SINGLE ROW BTS ASSY, 6 AWG, 300V 60A				
4	XX	CAGE	BRASS	NICKEL PLATE				CHECKED BY DATE						
3	XX	SCREW, M4 X .07 POZI-SLOT	BRONZE	TIN PLATE				R. KEMP 2002/09/13						
2	1	COVER	POLYESTER (PBT)	BLACK				APPROVED BY DATE						
1	1	BODY	POLYESTER (PBT)	BLACK				L. ROTHBAUS 2002/09/27		MOLEX MOLEX INCORPORATED				
								ANGULAR ± 2 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.
								DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-39970-003		1 OF 2
										SIZE B		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

	10	9	8	7	6	5	4	3	2	39970
F										
E										
D										
C										
B										
A										

STD MATERIAL NUMBER	OPTIONAL 10A IMPRINT	OPTIONAL 11A IMPRINT	OPTIONAL SS SCREW (OPT. -56)	OPTIONAL SLOTTED SCREW	OPTIONAL SLOTTED SCREW W/10A IMPRINT	OPTIONAL SLOTTED SCREW W/11A IMPRINT	NUMBER OF CIRCUITS	"A" DIM.	"B" DIM.
399700102	399720102	399730102	399700602	399700402	399720402	399730402	2	21.84 [.86]	10.16 [.400]
399700103	399720103	399730103	399700603	399700403	399720403	399730403	3	32.00 [1.26]	20.32 [.800]
399700104	399720104	399730104	399700604	399700404	399720404	399730404	4	42.16 [1.66]	30.48 [1.200]
399700105	399720105	399730105	399700605	399700405	399720405	399730405	5	52.32 [2.06]	40.64 [1.600]
399700106	399720106	399730106	399700606	399700406	399720406	399730406	6	62.48 [2.46]	50.80 [2.000]
399700107	399720107	399730107	399700607	399700407	399720407	399730407	7	72.64 [2.86]	60.96 [2.400]
399700108	399720108	399730108	399700608	399700408	399720408	399730408	8	82.80 [3.26]	71.12 [2.800]
399700109	399720109	399730109	399700609	399700409	399720409	399730409	9	92.96 [3.66]	81.28 [3.200]
399700110	399720110	399730110	399700610	399700410	399720410	399730410	10	103.12 [4.06]	91.44 [3.600]
399700111	399720111	399730111	399700611	399700411	399720411	399730411	11	113.28 [4.46]	101.60 [4.000]
399700112	399720112	399730112	399700612	399700412	399720412	399730412	12	123.44 [4.86]	111.76 [4.400]
399700113	399720113	399730113	399700613	399700413	399720413	399730413	13	133.60 [5.26]	121.92 [4.800]
399700114	399720114	399730114	399700614	399700414	399720414	399730414	14	143.76 [5.66]	132.08 [5.200]

SEE SHEET ONE EC NO: WNA2009-0445 DRAWN: JENC INAS 2009/07/01 CHKD: CYORK 2009/07/02 APPR: JMACNEIL 2009/07/02	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE MM/IN		SCALE 3:2	DESIGN UNITS INCH	THIRD ANGLE PROJECTION
			mm	INCH	DRAWN BY R. STONE	DATE 2002/09/13	
			4 PLACES ± ---	± ---	CHECKED BY R. KEMP	DATE 2002/09/13	
			3 PLACES ± ---	± .005	APPROVED BY L. ROTHMAUS	DATE 2002/09/27	
			2 PLACES ± 0.13	± .01	MATERIAL NO. SEE CHART		
			1 PLACE ± 0.3	± ---			
			ANGULAR ± 2 °		DOCUMENT NO. SD-39970-003		
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SHEET NO. 2 OF 2		

1b_frame_B_P_ME_T Rev. E 2006/04/15	9	8	7	6	5	4	3	2	1
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