

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0399700305

Status:

Active

Description:

10.16mm (.400") Beau™ Eurostyle™ Fixed Mount PCB Terminal Block, High Power 40A, 5 Circuits

Documents:

3D Model

Drawing (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

UL

E48521

General

Product Family

Series

Application

Component Type

Product Name

Type

Terminal Blocks

39970

Wire-to-Board

One Piece

Eurostyle™ Fixed Mount

Euro Block

Physical

Circuits (Loaded)

Circuits (maximum)

Entry Angle

Flammability

Lock to Mating Part

Material - Metal

Material - Plating Mating

Material - Plating Termination

Number of Rows

Orientation

PC Tail Length (in)

PC Tail Length (mm)

PCB Retention

Panel Mount

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Pitch - Term. Interface (in)

Pitch - Term. Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Plating min: Termination (µin)

Plating min: Termination (µm)

Polarized to Mating Part

Shrouded

Stackable

Surface Mount Compatible (SMC)

Temperature Range - Operating

Termination Interface: Style

Wire Size AWG

Wire Size mm²

5

5

Horizontal

94V-0

None

Brass, Copper

Tin

Tin

1

Vertical

0.160 In

4.06 mm

None

No

0.400 In

10.16 mm

0.400 In

10.16 mm

150

3.8

150

3.8

N/A

Fully

No

No

130°C

Through Hole

10, 12, 14, 16, 18, 6, 8

0.75 - 6.0

Electrical

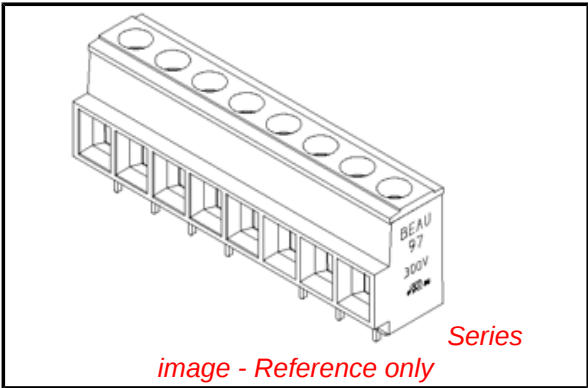
Current - Maximum per Contact

Voltage - Maximum

40A

300V

Material Info



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

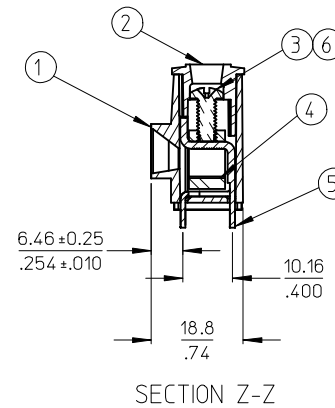
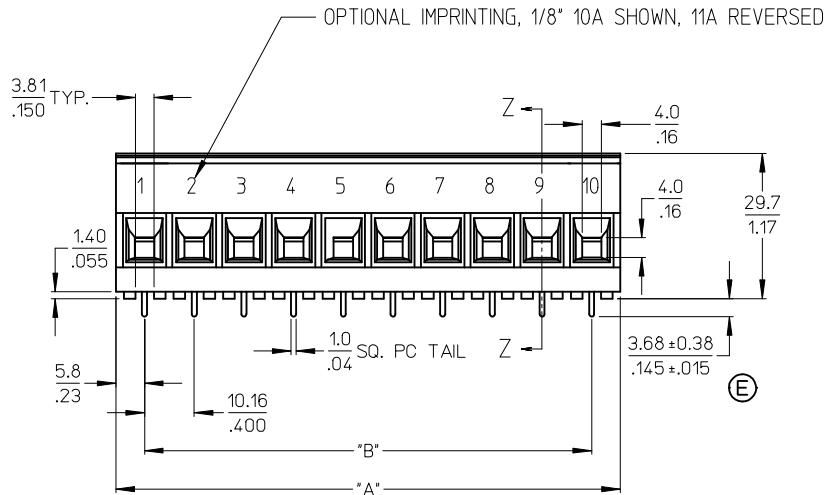
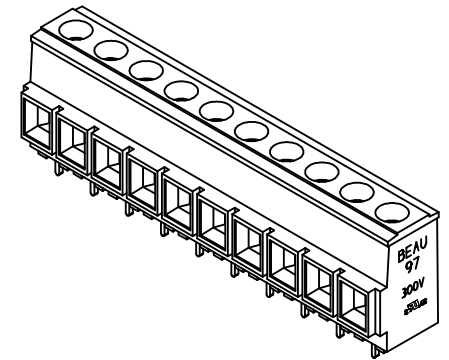
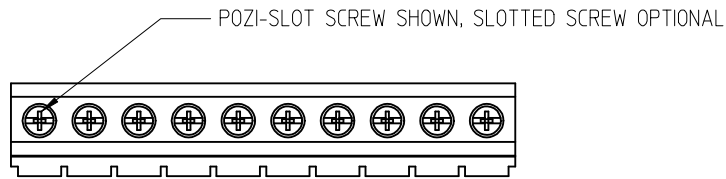
Mates With

N/A

Old Part Number	973505
Reference - Drawing Numbers	
Sales Drawing	SD-39970-004

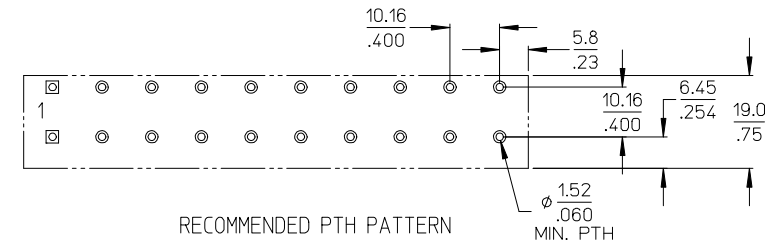
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NOTES:

1. MATERIAL: SEE TABLE.
2. FINISHES: SEE TABLE.
3. PRODUCT SPECIFICATION: NOT REQUIRED.
4. ALL FEATURES ARE TYPICAL UNLESS OTHERWISE NOTED.
5. PART IS DESIGNED TO MEET UL 1059 CLASS C 300V, 40A.
6. "XX" REFERS TO NUMBER OF CIRCUITS.
7. ASSEMBLY IS ROHS COMPLIANT.



6	XX	SCREW, M4 X 0.7 SLOTTED	BRONZE	TIN PLATE
5	XX	TERMINAL	COPPER	TIN PLATE
4	XX	CAGE	BRASS	NICKEL PLATE
3	XX	SCREW, M4 X 0.7 POZI-SLOT	BRONZE	TIN PLATE
2	1	COVER	POLYESTER (PBT)	BLACK
1	1	BODY	POLYESTER (PBT)	BLACK
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH

UPDATE TERM.	HEIGHT DIM.
EC NO: WNA2009-0445	2009/07/01
DRWN: JENC INAS	2009/07/02
CHKD: CYORK	2009/07/02
APPR: JMAGNE IL	2009/07/02
DESCRIPTION	REV

QUALITY SYMBOLS
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)		
	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .005
2 PLACES	± 0.13	± .01
1 PLACE	± 0.3	± ---
ANGULAR ± 2 °		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
MM/IN	1:1	INCH	
DRAWN BY	DATE	TITLE	
R. STONE	2002/09/13		
CHECKED BY	DATE	10.16MM/.400 SINGLE ROW BTS ASSY, 8 AWG, 300V 40A	
R. KEMP	2002/09/13		
APPROVED BY	DATE	MOLEX INCORPORATED	
L. ROTHMAUS	2002/09/27		
MATERIAL NO.	DOCUMENT NO.	SD-39970-004	
SIZE B	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
1:1	INCH	
10.16MM/.400 SINGLE ROW BTS ASSY, 8 AWG, 300V 40A		
MOLEX INCORPORATED		
DOCUMENT NO.	SD-39970-004	SHEET NO. 1 OF 2

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

STD MATERIAL NUMBER	OPTIONAL 10A IMPRINT	OPTIONAL 11A IMPRINT	OPTIONAL SLOTTED SCREW	OPTIONAL SLOTTED SCREW W/10A IMPRINT	OPTIONAL SLOTTED SCREW W/11A IMPRINT	NUMBER OF CIRCUITS	"A" DIM.	"B" DIM.
399700302	399720302	399730302	399700502	399720502	399730502	2	21.84 [.86]	10.16 [.400]
399700303	399720303	399730303	399700503	399720503	399730503	3	32.00 [1.26]	20.32 [.800]
399700304	399720304	399730304	399700504	399720504	399730504	4	42.16 [1.66]	30.48 [1.200]
399700305	399720305	399730305	399700505	399720505	399730505	5	52.32 [2.06]	40.64 [1.600]
399700306	399720306	399730306	399700506	399720506	399730506	6	62.48 [2.46]	50.80 [2.000]
399700307	399720307	399730307	399700507	399720507	399730507	7	72.64 [2.86]	60.96 [2.400]
399700308	399720308	399730308	399700508	399720508	399730508	8	82.80 [3.26]	71.12 [2.800]
399700309	399720309	399730309	399700509	399720509	399730509	9	92.96 [3.66]	81.28 [3.200]
399700310	399720310	399730310	399700510	399720510	399730510	10	103.12 [4.06]	91.44 [3.600]
399700311	399720311	399730311	399700511	399720511	399730511	11	113.28 [4.46]	101.60 [4.000]
399700312	399720312	399730312	399700512	399720512	399730512	12	123.44 [4.86]	111.76 [4.400]
399700313	399720313	399730313	399700513	399720513	399730513	13	133.60 [5.26]	121.92 [4.800]
399700314	399720314	399730314	399700514	399720514	399730514	14	143.76 [5.66]	132.08 [5.200]

SEE SHEET ONE

EC NO: WNA2009-0445

IT

DRWN: JENC INAS 2009/07/01

CHKD: CYORK 2009/07/02

APPR: JMAGNE IL 2009/07/02

REV

QUALITY SYMBOLS

=0

=0

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ANGULAR ± 2 °		

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE

MM/IN

DRAWN BY	DATE
GHR	2000/02/09
CHECKED BY	DATE
R. KEMP	2000/06/05
APPROVED BY	DATE
L. ROTH AUS	2000/02/09

MATERIAL NO.

SEE CHART

SIZE

B

SCALE

1:1

DESIGN UNITS

INCH

 THIRD ANGLE PROJECTION

TITLE

10.16MM/.400 SINGLE ROW
BTS ASSY, 8 AWG,
300V 40A

 MOLEX INCORPORATED

DOCUMENT NO.

SD-39970-004

SHEET NO.

2 OF 2

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