

1.187" TAB & SOLDERING TERMINAL, 0.5mm THICK.

SPECIFICATION DATA

Minature Range			
Amp Rating	16	5	0.1
Insulation Resistance	Min. 100M ohm		
Contact Resistance	Max 15 M ohm		Max 50 M ohm
Dielectric Strength	Between Non-consecutive terminals	AC 2,000V	
	Between Non-consecutive terminals	AC 2,000V	
Operating Speed	0.2mm/sec - 1,000mm/sec		1mm/sec - 500mm/sec
Max allowed Mechanical Open/Close Frequencies	600 Cycles/min		300 Cycles/min
Shock Resistance (Without Lever)	300mm/sec sq (approx 30G)		
Vibration Resistance (Without Lever)	1.5mm 10-55 Hz (2Hr)		1.5mm 10 - 20Hz (2 Hr)
Electrical Life	100,000 Operations at Rated Load (Max 20 Operations/min)		1,000,000 Operations
Mechanical Life	10,000,000 Operations (Max 200 operations/min)		
Safety Approval	UL / CSA / VDE		
Operating Temperature Range	-20 deg C to 130 deg C RH85% Max		-30 deg C to 130 deg C RH90% Max
UL File No.	E60363		
CSA File No	218582		
VDE File No.	40006699		40006698

10.3

4

1

2

6.4

3.2

4.8

6.4

1478604-1
(AS SHOWN)

27.8

20.2

11

2.8

ø3.1

2.8

5.4

15.9

18.4

3.1

3.4

22.2

13.8

0.2

4

3

5

Alco Korea

COM

NC

NO

NOTES:

1

FOR TECHNICAL DATA REFER TO YOUR LOCAL TYCO ELECTRONICS SALES OFFICE.

2

ALL DIMENSIONS ARE NOMINAL. FOR REFERENCE ONLY UNLESS OTHERWISE STATED.

3

ALL DIMENSIONS ARE COMMON TO THE MAIN BODY. VARIATIONS ARE IN THE OPERATING LEVERS.

4

TYCO PART NUMBER AND LOT No. INKJET MARKED IN THIS AREA.

5

GENERAL INFO.

6

FOR PACKAGING INFORMATION SEE SPEC. 107-115

1

1478604-1

—

Max 200 g

Min 50 g

Max 1.6 mym

14.8 ±0.4 mym

Min 0.8 mym

Max 0.4 mym

2

1478604-2

△

200 g

50 g

1.6 mym

15.4 ±0.4 mym

0.8 mym

0.4 mym

3

1478604-3

△

120 g

20 g

4.0 mym

15.4 ±1.4 mym

1.3 mym

1.2 mym

4

1478604-4

△

60 g

10 g

7.5 mym

15.4 ±3.0 mym

2.6 mym

2.4 mym

5

1478604-5

△

240 g

50 g

1.6 mym

20.7 ±0.8 mym

0.8 mym

0.4 mym

6

1478604-6

△

120 g

20 g

4.0 mym

20.7 ±1.6 mym

1.3 mym

1.2 mym

7

1478604-7

△

120 g

20 g

4.0 mym

18.6 ±1.5 mym

1.3 mym

1.2 mym

△1478604-2

△1478604-3

△1478604-4

△1478604-5

△1478604-6

△1478604-7

1

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CONTACT ARRANGEMENT

SPDT

COM

NC

NO

MARKING

16A-1/2HP-125 OR 250VAC

0.6A-125VDC, 0.3A-250VDC

16(3)A 250V~

μ 20T105 50E3

7

ROLLER

(1)

6

LEVER

(1)

5

BUTTON

1

4

COMMON TERMINAL

1

3

TERMINAL

2

2

COVER

1

1

BOX

1

NO

PART NAME

Q'TY

MP16DT-ASMD

1478604-7

Microswitch, Simu Lever

Blue

1000

CARTON

MP16DT-ANRD

1478604-6

Microswitch, Norm Roller

Blue

800

CARTON

MP16DT-ASRH

1478604-5

Microswitch, Short Roller

Blue

1000

CARTON

MP16DT-ALLB

1478604-4

Microswitch, Long Lever

Blue

600

CARTON

MP16DT-ANLD

1478604-3

Microswitch, Norm Lever

Blue

800

CARTON

MP16DT-ASLG

1478604-2

Microswitch, Short Lever

Blue

1000

CARTON

MP16DT-AOLG

1478604-1

Microswitch, Pin Plunger

Blue

1000

CARTON

TYCO SALES PART No.

TYCO PART NO.

DESCRIPTION

COLOUR

QTY

PACK DESC

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:

MM

0 PLC ± -

1 PLC ± 0.4

2 PLC ± 0.4

3 PLC ± -

4 PLC ± -

ANGLES ± -

FINISH

TOLERANCES UNLESS OTHERWISE SPECIFIED:

03-10-01

03-10-01

03-10-01

MATERIAL

FINISH

DWN

CHK

APVD

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

P.Bates

C.Kaminski

C.Kaminski

—

—

—

03-10-01

03-10-01

03-10-01

tyco

Electronics

Tyco Electronics Corporation

Bideford, Devon, EX39 4HE

NAME

MICRO SWITCH 16A

SOLDER TERMINAL

200g RANGE

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A2

00779

C=1478604

—

SCALE

1:1

SHEET

1

OF

2

REV

E

LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
E	B		E	EBDO-0129-03	04-06-03	SS	JA

MAJOR COMPONENT & MATERIAL LIST

NO	PART NAME	MATERIAL	Q'ty	UL FRAME	FINISH (COLOR)
1	CASE	P.B.T RESIN	1	94 V-0	
2	COVER		1		
3	MOVABLE CONTACTOR	Brass Sheet t=0.4	1		SILVER PLA TING
4	GUIDE PLATE	Brass Sheet t=0.8	1		SILVER PLA TING
5	COMMON TERMINAL	Brass Sheet t=0.8	1		SILVER PLA TING
6	PLATE SPRING	Beryllium Copper Sheet (t=0.1~ 0.25)	1		
7	TERMINAL AID	Brass Sheet (t=0.8)	0		
8	CONTACT	Ag alloy(AgCdO,AgSnO2)	3		
9	TERMINAL	Brass Sheet (t=0.8)	2		SILVER PLA TING
10	ACTUATOR	PHENOLIC RESIN	1	94 V-0	
11	LEVER	Stainless SteelSheet (t=0.6)	(1)		

() = Where Applicable

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
MM

MATERIAL

-

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ± -
1 PLC ± 0.4
2 PLC ± 0.4
3 PLC ± -
4 PLC ± -
ANGLES ± -
FINISH -

DWN
S.Shackson
04-06-03

CHK
F.Wheeler-King
04-06-03

APVD
F.Wheeler-King
04-06-03

PRODUCT SPEC
-

APPLICATION SPEC
-

WEIGHT
-

CUSTOMER DRAWING

Tyco Electronics Corporation
Bideford, Devon, EX39 4HE

NAME
MICRO SWITCH 16A
SOLDER TERMINAL
200g RANGE

SIZE
A2

CAGE CODE
00779

DRAWING NO
C=1478604

RESTRICTED TO
-

SCALE
1:1

SHEET
2

OF
2

REV
E