

TABLE 1 BILL OF MATERIAL

ITEM	QTY	DESCRIPTION	MATERIAL	FINISH
1	7	LABEL	ABS	WHITE
2	1	CABLE PLATE	PBT	YELLOW
3	1	CABLE	SEE ENG. NO. MATRIX	SEE ENG. NO. MATRIX
4	24	CONTACT	BRASS	GOLD OVER NICKEL
5	6	O-RING	FPM	RED
6	6	SHELL	BRASS	NICKEL PLATET
7	7	LED	NON LED = PBT/ WITH LED = PA	NON LED YELLOW/ WITH LED TRANSPARENT
8	2	PROTECTING CAP	PP	BLACK
9	1	HOUSING	PBT	YELLOW

GENERAL CHARACTERISTICS

NOMINAL VOLTAGE: 10-30 V DC
POLUTION DEGREE: 3
RATED CURRENT: 4 A PER PORT / 12 A MAX: TOTAL
CONTACT RESISTANCE: ≤ 5 mΩM
ISULATION RESISTANCE: > 10⁹ ΩM
IP DEGREE OF PROTECTION: IP 67

IP 68 REFER TO TEST SUMMARY TS-120005-016

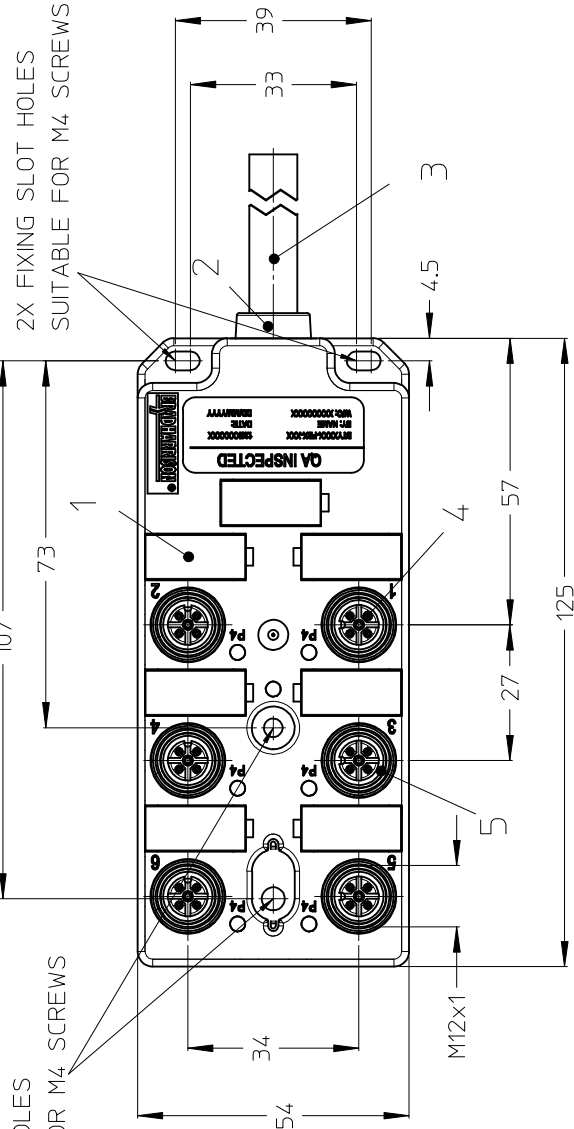
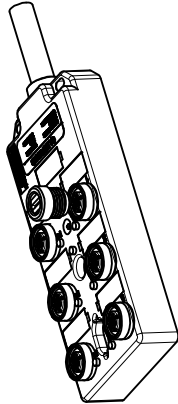
TEMPERATURE RANGE: -25°C to + 85°C
(BOX ONLY)

FLAMMABYLITY:

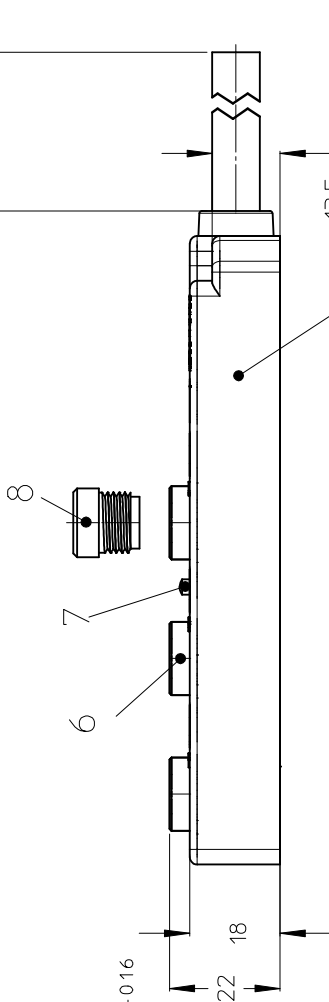
Insert: V0

HOUSING: V0

POTTING MATERIAL: V0



SEE TABLE 1+3



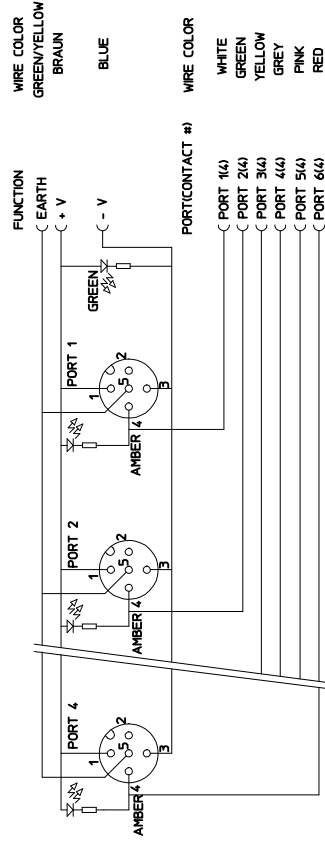
ENTER DESCRIPTION	REV	DESCRIPTION
EC NO: PG2014-0267	A3	DRW:ULETTE/IER2013/09/24
CH:KDS/ILEER		2013/09/25
APPR:CBURGER		2013/10/07

QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
4 PLACES ± 0.1	mm	MM ONLY	1:1	METRIC	
3 PLACES ± 0.2	mm	DATE			
2 PLACES ± 0.1	mm	DATE			
1 PLACE ± 0.2	mm	DATE			
0 PLACE ± 0.2	mm	DATE			
ANGULAR ± 2 °	mm	DATE			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	mm	DATE			

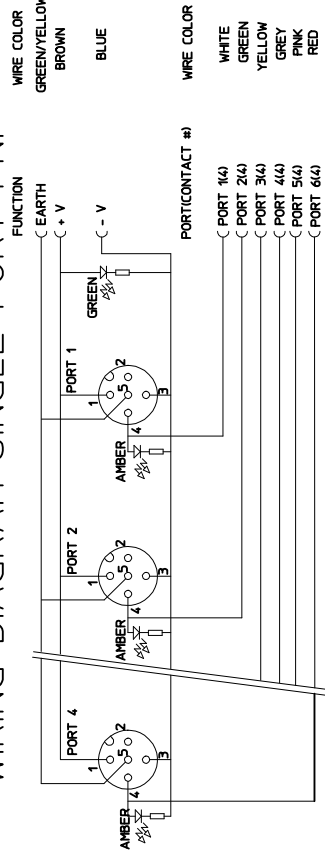
MPIS M12 PNP NPN NOS 4P 6PT AC FE STR XM	DOCUMENT NO.	SHEET NO.
SEE TABLE 2	SD-120005-013	1 OF 3
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

molex

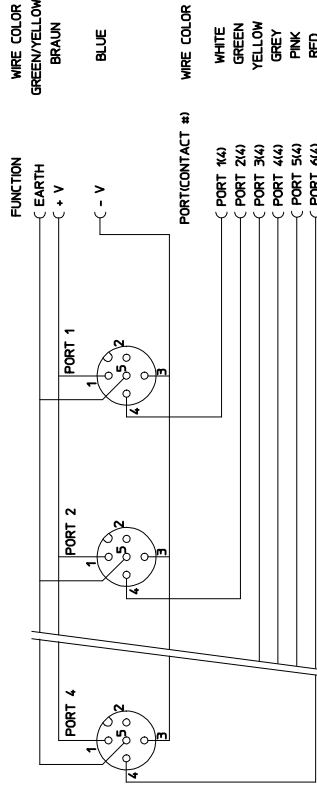
WIRING DIAGRAM SINGLE PORT NPN



WIRING DIAGRAM SINGLE PORT PNP



WIRING DIAGRAM SINGLE PORT NON LED



	REVISION	EC NO.: IPG014-0267 DRAWN: JULIETTE NEMCEI 2013/09/24 CHK: D. SILLER 2013/09/25 APP: C. BURGER 2013/10/07
	ENTER DESCRIPTION	

SYMBOL	GENERAL TOLERANCES (UNLESS SPECIFIED)		ANGULAR $\pm 2^\circ$
	mm	INCH	
4 PLACES	$\pm .005$	$\pm .0004$	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS
3 PLACES	$\pm .005$	$\pm .0004$	
2 PLACES	± 0.01	$\pm .001$	
1 PLACE	± 0.2	$\pm .005$	
0 PLACE	$\pm .005$	$\pm .0004$	

DIMENSION STYLE	
MM ONLY	
DRAWN BY	DATE
LSG	2011/08/18
CHECKED BY	DATE
ZISMAY LOV	2011/12/14
APPROVED BY	DATE
(CBURGER	2011/12/20
MATERIAL NO	

	SCALE 1:1	DESIGN UNITS METRIC
TITLE MPIS M12 PPT 6PT AC		
		
DOCUMENT NO		

THIRD ANGLE
PROJECTION

NP NPN NOS 4P
FE STR XM

plex

SHEET NO.

6D-120005-013	2 OF 3
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6D-120005-013	2 OF 3
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6D-120005-013	2 OF 3
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TABLE 2

MOLEX P/N	ENG. NR.	LED
1200550589	BTY6000-FBP-05	NO
1200550590	BTY6000-FBP-10	NO
1200550882	BTY6000-FBP-15	NO
1200051012	BTY600N-FBN-05	YES
1200051013	BTY600N-FBN-10	YES
1200051014	BTY600N-FBN-15	YES
1200050019	BTY600N-FBP-003	YES
1201148014	BTY600N-FBP-05	YES
1201148015	BTY600N-FBP-10	YES
1201148016	BTY600N-FBP-15	YES
1200550570	BTY600P-FBL-10	YES
1200051003	BTY600P-FBN-05	YES
1200051004	BTY600P-FBN-10	YES
1200051005	BTY600P-FBN-15	YES
1200050013	BTY600P-FBP-003	YES

TABLE 2

MOLEX P/N	ENG. NR.	LED
1201148017	BTY600P-FBP-05	YES
1200550884	BTY600P-FBP-05-1	YES
1201148018	BTY600P-FBP-10	YES
1201140054	BTY600P-FBP-15	YES
1201148019	BTY600P-FBP-20	YES

ENG. NO. MATRIX:

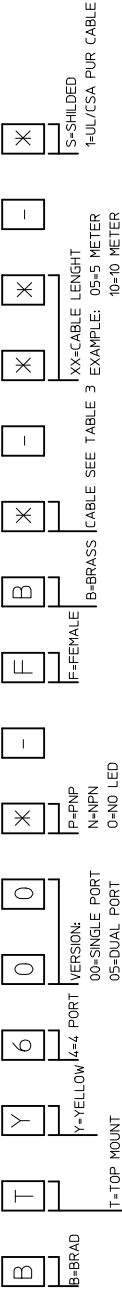


TABLE 3

CABLE	TEM. RANGE STATSCH	TEM. RANGE FLEXIBLE	CABLE DIAMETER (MM) SIGLE (4POLE) 4/6/8 PORT	CABLE DIAMETER (MM) DUAL (5POLE) 4/6/8 PORT	DRAG CHAIN	UL STYLE
P= PUR/PVC/Black	-30°C TO +90°C	-5°C TO +90°C	8.4 ± 0.2 / 9.5 ± 0.2 / 9.5 ± 0.2	9.5 ± 0.2 / 9.8 ± 0.2 / 11.4 ± 0.2	1.5 MIO. CYCLES	-
P= PUR/PVC/Black/UL/CSA	-25°C TO +90°C	-	7.5 ± 0.2	8.6 ± 0.2	-	-
N= PVC/GREY	-	-10°C TO +80°C	8.4 ± 0.2	9.5 ± 0.2	10 MIO. CYCLES	2464
I= CEI/GREY	-5°C TO +70°C	-	8.4 ± 0.2	9.5 ± 0.2	-	-
E= PVC/YELLOW	-5°C TO +70°C	-	8.4 ± 0.2	9.5 ± 0.2	-	-

ENTER DESCRIPTION
FC NO: PG2014-0267
DRAWN:ULETTE/ENMEIER 2013/09/24
CHKD:RS/ILLER 2013/09/25
APPR:CBURGER 2013/10/07

QUALITY SYMBOLS
=0
=0

GENERAL TOLERANCES (UNLESS SPECIFIED)
mm INCH
4 PLACES ± --- ± ---
3 PLACES ± --- ± ---
2 PLACES ± 0.1 ± ---
1 PLACE ± 0.2 ± ---
0 PLACE ± --- ± ---
ANGULAR ± 2 °
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

MM ONLY
DRAWN BY: LSG
CHECKED BY: ZISMAY/ILIOV
APPROVED BY: CBURGER
DATE: 2011/08/18
DATE: 2011/12/14
DATE: 2011/12/20

SCALE: 1:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION
TITLE: MPIS M12 PNP NPN NOS 4P 6PT AC FE STR XM

DOCUMENT NO: SD-120005-013
SHEET NO: 3 OF 3
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