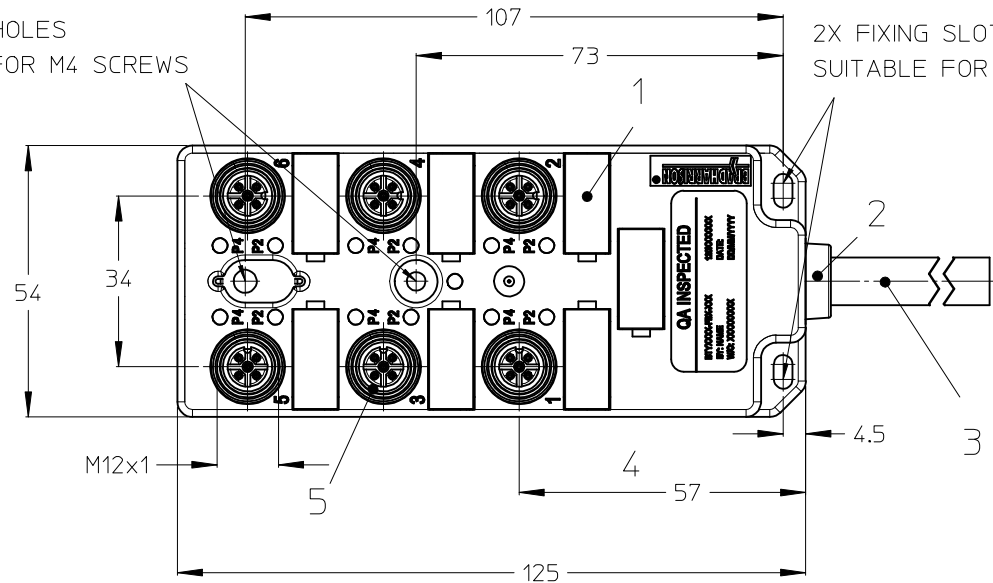


TABLE 1 BILL OF MATERIAL

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	30	CONTACT	BRASS	GOLD OVER NICKEL
5	6	O-RING	FPM	RED
6	6	SHELL	BRASS	NICKEL PLATET
7	13	LED	NON LED = PBT/ WITH LED = PA	NON LED=YELLOW/ WITH LED=TRANSPARENT
8	2	PROTECTING CAP	PP	BLACK
9	1	HOUSING	PBT	YELLOW

2X FIXING HOLES
SUITABLE FOR M4 SCREWS2X FIXING SLOT HOLES
SUITABLE FOR M4 SCREWS

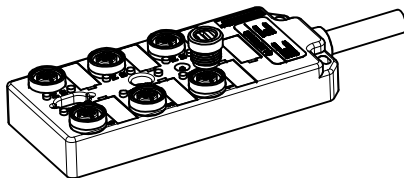
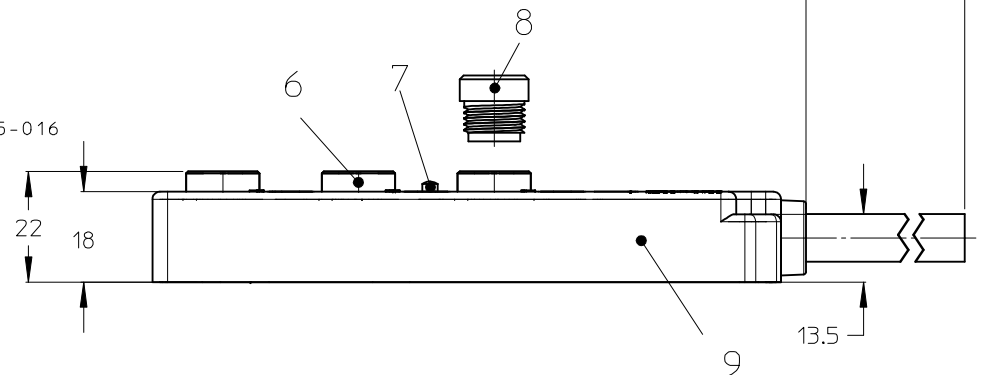
GENERAL CHARACTERISTICS

NOMINAL VOLTAGE: 10-30 V DC
POLUTION DEGREE: 3
RATED CURRENT: 4 A PER PORT / 12 A MAX: TOTAL
CONTACT RESISTANCE: ≤ 5 mOHM
ISULATION RESISTANCE: $> 10^9$ OHM
IP DEGREE OF PROTECTION: IP 67
IP 68 REFER TO TEST SUMMARY TS-120005-016

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

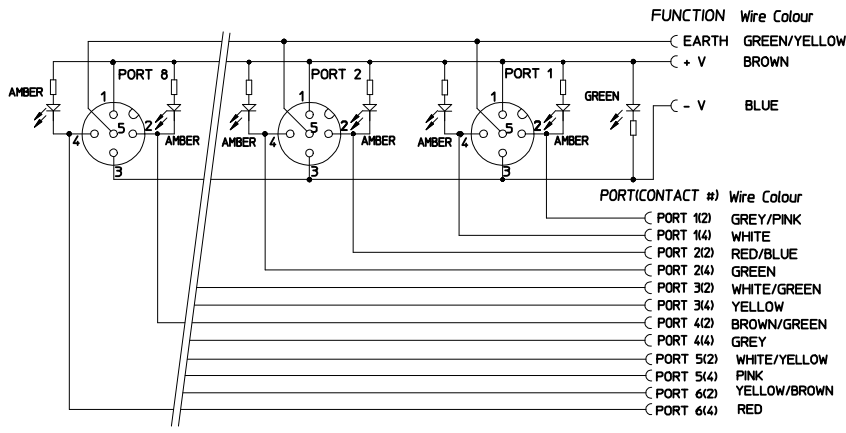
FLAMMABYLITY:
Insert: V0
HOUSING: V0
POTTING MATERIAL: V0

SEE TABLE 1+3

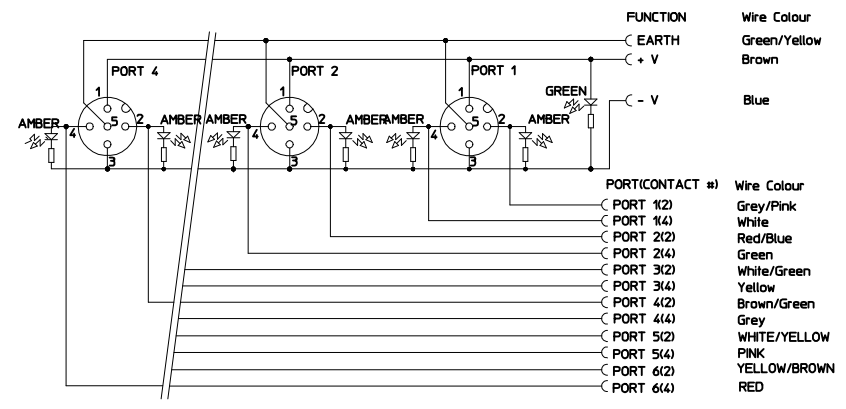


ENTER DESCRIPTION EC NO: IPG2014-0267 DRW:ULETTEMEIER 2013/09/24 CHKD:PSILLER 2013/09/25 APPR:CBURGER 2013/10/07		DESCRIPTION	QUALITY SYMBOLS ▽=0 C=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
B1	REV				mm	INCH	DRAWN BY	DATE	TITLE MPIS M12 PNP NPN NOS 5P 6PT AC FE STR XM			
				4 PLACES	± ---	± ---	ULETTEMEIER	2013/06/27				
				3 PLACES	± ---	± ---	CHECKED BY	DATE	DOCUMENT NO. SD-120114-092			
				2 PLACES	± 0.05	± ---	PSILLER	2013/07/10				
				1 PLACE	± 0.10	± ---	APPROVED BY	DATE				molex
0 PLACE	± 0.10	± ---	CBURGER	2013/07/17								
				ANGULAR ± .5 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE 2		SD-120114-092		1 OF 3		
						SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

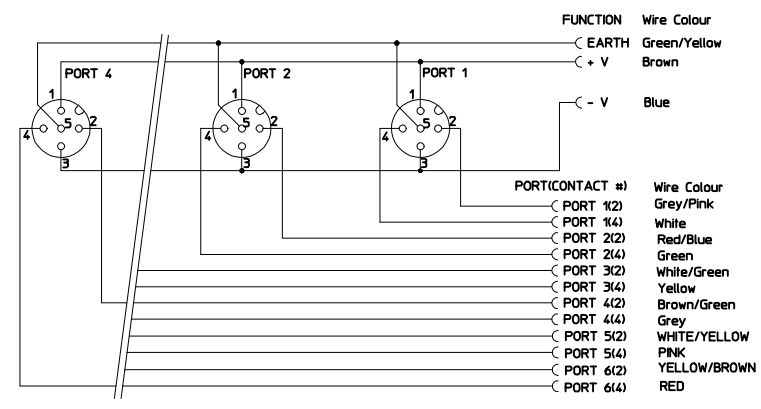
WIRING DIAGRAM DUAL PORT NPN



WIRING DIAGRAM DUAL PORT PNP



WIRING DIAGRAM DUAL PORT NON LED



ENTER DESCRIPTION EC NO: IPG2014-0267 DRWN:ULETTENMEIER2013/09/24 CHKD:RSILLER 2013/09/25 APPR:CBURGER 2013/10/07 B1		DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
					mm	INCH	DRAWN BY ULETTENMEIER	DATE 2013/06/27	TITLE MPIS M12 PNP NPN NOS 5P 6PT AC FE STR XM molex SD-120114-092				
				4 PLACES	± ---	± ---	CHECKED BY RSILLER	DATE 2013/07/10					
				3 PLACES	± ---	± ---	APPROVED BY CBURGER	DATE 2013/07/17					
2 PLACES	± 0.05	± ---											
			1 PLACE	± 0.10	± ---			SHEET NO. 2 OF 3					
			0 PLACE	± ---	± ---								
			ANGULAR ± .5 °			MATERIAL NO.		DOCUMENT NO.					
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE TABLE 2							
						SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

TABLE 2

MOLEX P/N	ENG. NR.	LED
1200550648	BTY6050-FBP-05	NO
1200550594	BTY6050-FBP-10	NO
1200550596	BTY6050-FBP-15	NO
1200550606	BTY605P-FBE-05	YES
1200550607	BTY605P-FBE-10	YES
1200550551	BTY605P-FBP-05	YES
1201140058	BTY605P-FBP-10	YES
1201148029	BTY605P-FBP-10-1	YES
1200550789	BTY605P-FBP-15	YES
1200550617	BTY605P-FBP-20	YES

ENG. NO. MATRIX:

B	T	Y	6	0	0	X	-	F	B	X	-	X	X	-	X
B=BRAD	T=TOP MOUNT	Y=YELLOW	6=4 PORT	VERSION: 00= SINGLE PORT 05= DUAL PORT		P=PNP N=NPN 0=NO LED		F=FEMALE	B=BRASS	CABLE SEE TABLE 3 EXAMPLE: 05=5 METER 10=10 METER			XX=CABLE LENGHT		S=SHIELDED 1=UL/CSA PUR CABLE

TABLE 3

CABLE	TEM. RANGE STATISCH	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 EC NO: IP02014-0267 DRAWN:ULETTEMEIER 2013/09/24 CHKD:RSILLER 2013/09/25 APPR:CBURGER 2013/10/07 B1	DESCRIPTION	REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
					mm	INCH	DRAWN BY ULETTEMEIER	DATE 2013/06/27	TITLE MPIS M12 PNP NPN NOS 5P 6PT AC FE STR XM molex		
				4 PLACES	± ---	± ---	CHECKED BY RSILLER	DATE 2013/07/10			
				3 PLACES	± ---	± ---	APPROVED BY CBURGER	DATE 2013/07/17			
				2 PLACES	± 0.05	± ---	MATERIAL NO.	DOCUMENT NO.			
				1 PLACE	± 0.10	± ---	SEE TABLE 2			SD-120114-092	
				0 PLACE	± ---	± ---	SHEET NO. 3 OF 3				
				ANGULAR ± .5 °			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							