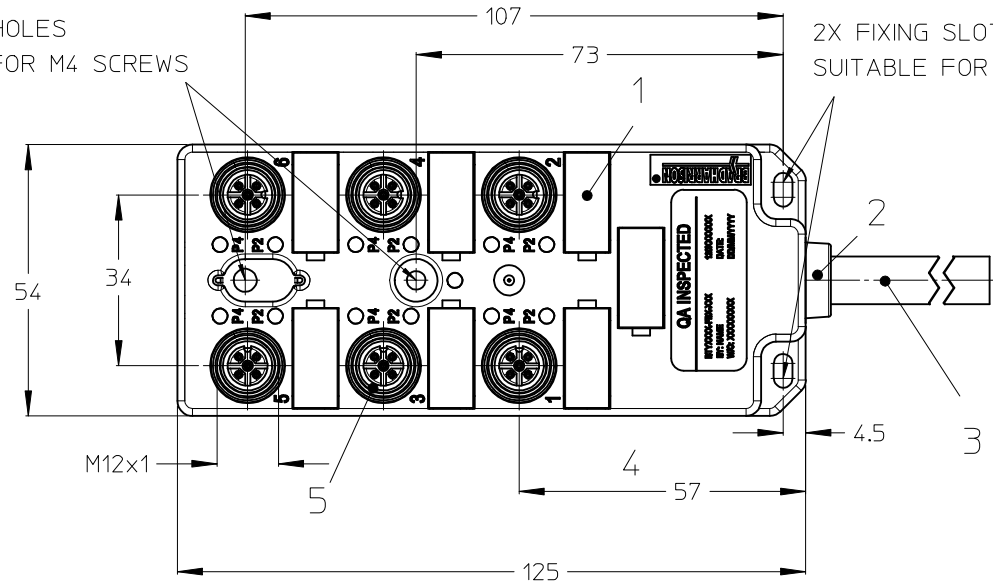


TABLE 1 BILL OF MATERIAL

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 SCREWS

2X FIXING SLOT HOLES
SUITABLE FOR M4 SCREWS

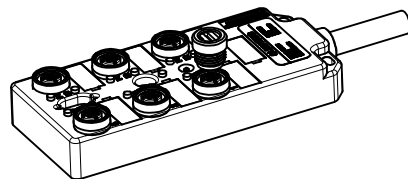
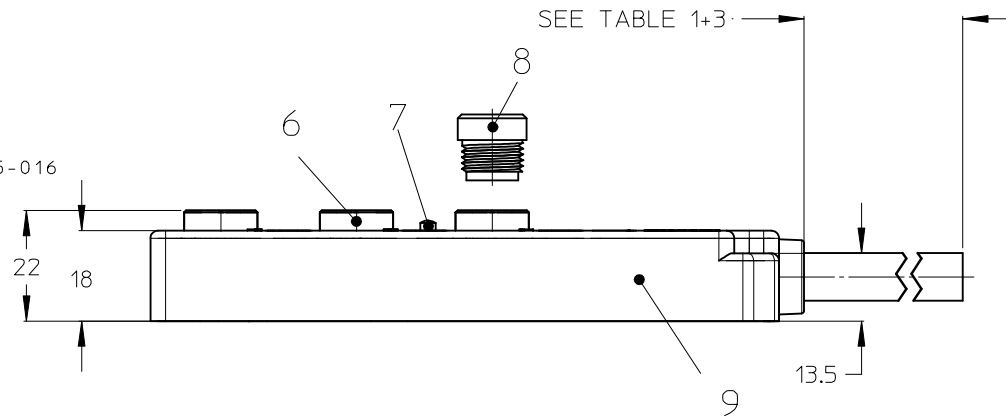


GENERAL CHARACTERISTICS

NOMINAL VOLTAGE: 10-30 V DC
 POLLUTION DEGREE: 3
 RATED CURRENT: 4 A PER PORT / 12 A MAX: TOTAL
 CONTACT RESISTANCE: ≤ 5 mOHM
 ISULATION RESISTANCE: > 10⁹ OHM
 IP DEGREE OF PROTECTION: IP 67
 IP 68 REFER TO TEST SUMMARY TS-120005-016

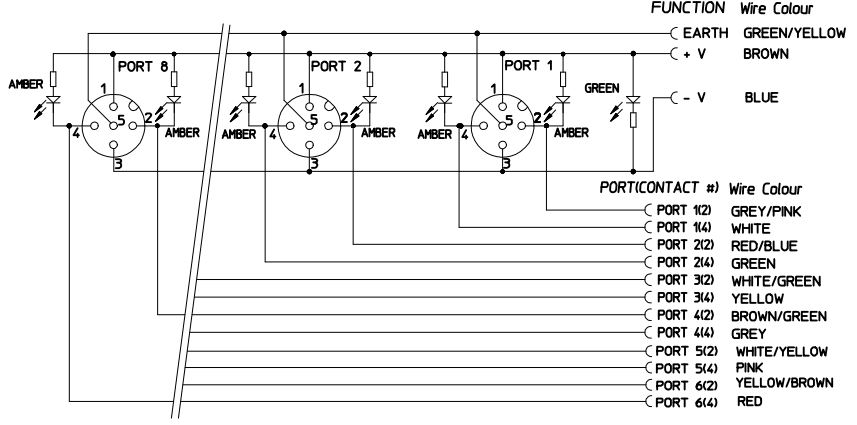
TEMPERATURE RANGE: -25°C to + 85°C
 (BOX ONLY)

FLAMMABILITY:
 Insert: V0
 HOUSING: V0
 POTTING MATERIAL: V0

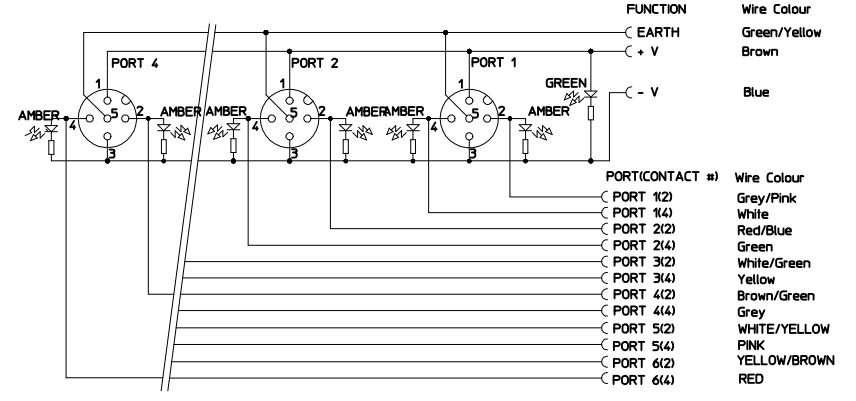


ENTER DESCRIPTION EC NO: IPG2014-0267 DRW:ULETTEMEIER 2013/09/24 CHKD:PSILLER 2013/09/25 APPR:CBURGER 2013/10/07	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY	SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		4 PLACES ± --- ± ---	mm INCH	DRAWN BY DATE ULETTEMEIER 2013/06/27	TITLE MPIS M12 PNP NPN NOS 5P 6PT AC FE STR XM			
		3 PLACES ± --- ± ---		CHECKED BY DATE PSILLER 2013/07/10	molex			
		2 PLACES ± 0.05 ± ---		APPROVED BY DATE CBURGER 2013/07/17				
1 PLACE ± 0.10 ± ---		MATERIAL NO. SEE TABLE 2		DOCUMENT NO. SD-120114-092		SHEET NO. 1 OF 3		
0 PLACE ± --- ± ---		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								

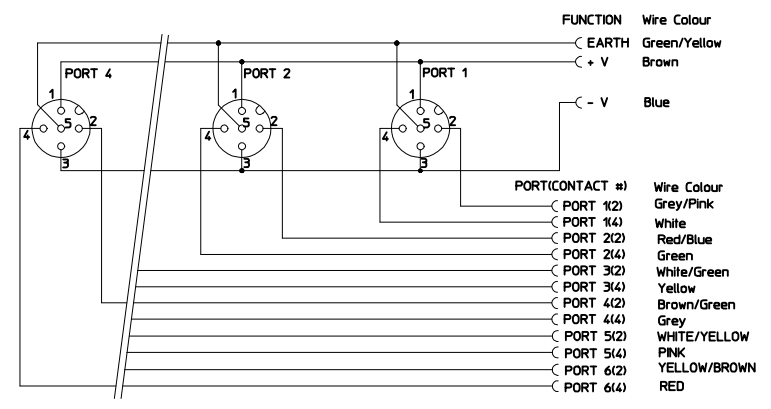
WIRING DIAGRAM DUAL PORT NPN



WIRING DIAGRAM DUAL PORT PNP



WIRING DIAGRAM DUAL PORT NON LED



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

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:

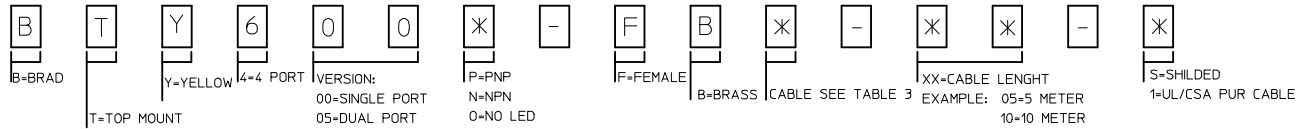


TABLE 3

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: IPG2014-0267 DRAWN: JULETTE MEIER 2013/09/24 CHKD: RSILLER 2013/09/25 APPR: CBURGER 2013/10/07	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY	SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.05 ± --- 1 PLACE ± 0.10 ± --- 0 PLACE ± --- ± ---	mm INCH ± --- ± --- ± --- ± --- ± --- ± --- ± --- ± ---	DRAWN BY JULETTE MEIER	DATE 2013/06/27	TITLE MPIS M12 PNP NPN NOS 5P 6PT AC FE STR XM			
		ANGULAR ± .5 °		CHECKED BY RSILLER	DATE 2013/07/10	APPROVED BY CBURGER			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE TABLE 2	DATE 2013/07/17	DOCUMENT NO. SD-120114-092	SHEET NO. 3 OF 3		