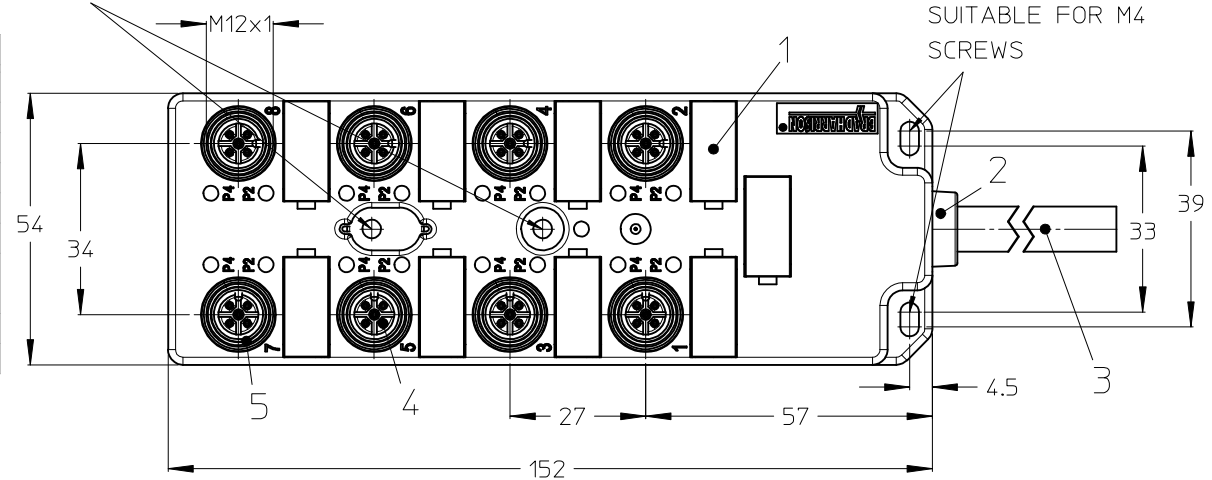


TABLE 1 BILL OF MATERIAL

ITEM	QTY	DESCRIPTION	MATERIAL	FINISH
1	9	LABEL	ABS	WHITE
2	1	CABLE PLATE	PBT	YELLOW
3	1	CABLE	SEE ENG. NO. MATRIX	SEE ENG. NO. MATRIX
4	40	CONTACT	BRASS	GOLD OVER NICKEL
5	8	O-RING	FPM	RED
6	8	SHELL	BRASS	NICKEL PLATET
7	17	LED	NON LED = PBT/ WITH LED = PA	NON LED=YELLOW/ WITH LED=TRANSPARENT
	2	PROTECTING CAP	PP	BLACK
9	1	HOUSING	PBT	YELLOW

2X FIXING HOLES
SUITABLE FOR M4 SCREWS

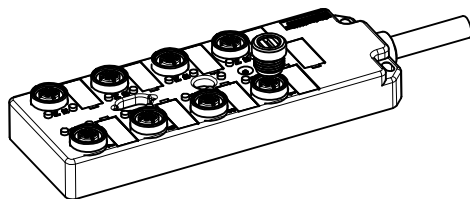
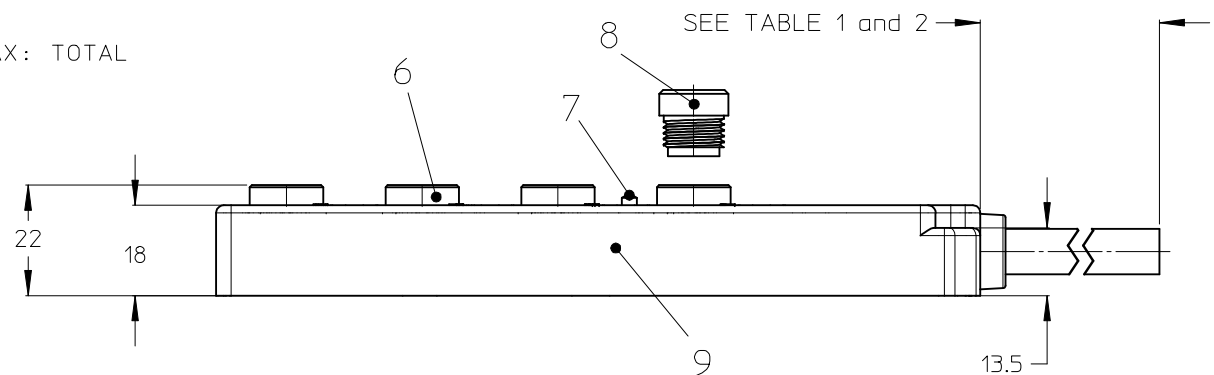
2X FIXING SLOT HOLES
SUITABLE FOR M4
SCREWS



GENERAL CHARACTERISTICS:

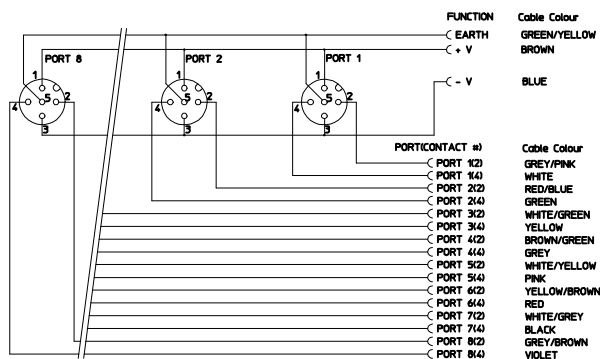
ELECTRICAL AND MECHANICAL DATA ACC. TO IEC 61076-2-101

NOMINAL VOLTAGE: 24 V DC
 RATED CURRENT: 4 A PER PORT / 12 A MAX: TOTAL
 CONTACT RESISTANCE: ≤ 5 mOHM
 ISULATION RESISTANCE: > 10⁹ OHM
 IP DEGREE OF PROTECTION: IP 67
 TEMPERATURE RANGE: -25°C to + 85°C

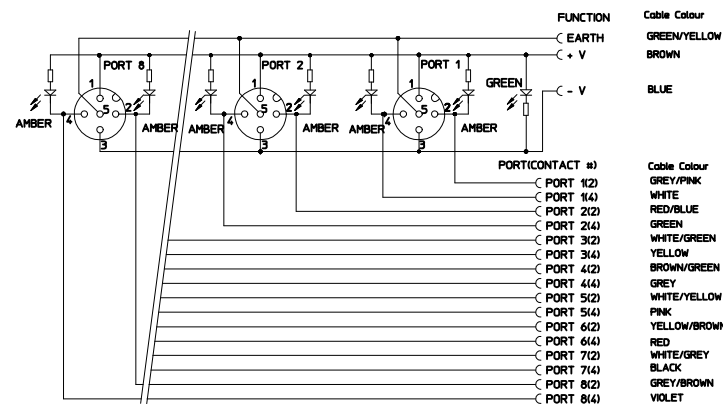


ENTER DESCRIPTION EC NO: IPG2014-0267 DRW:ULETTENMEIER2013/09/24 CHKD:RSILLER 2013/09/25 APPR:CBURGER 2013/10/07	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽C=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION 			
				mm	INCH	DRAWN BY ULETTENMEIER	DATE 2013/07/04	TITLE MPIS M12 PNP NPN NOS 5P 8PT AC FE STR XM				
			4 PLACES	± ---	± ---	CHECKED BY RSILLER	DATE 2013/07/10					
			3 PLACES	± ---	± ---	APPROVED BY CBURGER	DATE 2013/07/17	molex				
			2 PLACES	± 0.05	± ---	MATERIAL NO.	DOCUMENT NO.					
			1 PLACE	± 0.10	± ---	SEE TABLE 2		SD-120114-003		1 OF 3		
			0 PLACE	± ---	± ---	SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
			ANGULAR ± .5 °									
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS									
			B1	REV								

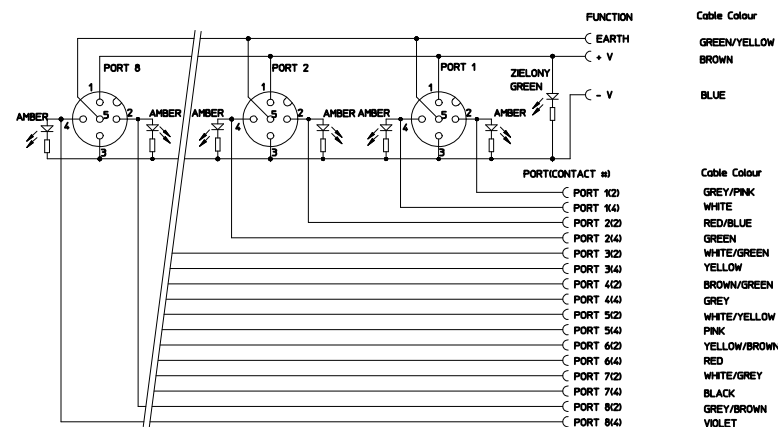
WIRING DIAGRAM NON LED



WIRING DIAGRAM NPN



WIRING DIAGRAM PNP



ENTER DESCRIPTION EC NO: IPG2014-0267 DRAWN:ULETTEMEIER 2013/09/24 CHKD:RSILLER 2013/09/25 APPR:CBURGER 2013/10/07 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 DATE ULETTEMEIER 2013/07/04		TITLE MPIS M12 PNP NPN NOS 5P 8PT AC FE STR XM		
			4 PLACES	± ---	± ---	CHECKED BY DATE RSILLER 2013/07/10				
			3 PLACES	± ---	± ---	APPROVED BY DATE CBURGER 2013/07/17				
B1			2 PLACES	± 0.05	± ---			molex		
			1 PLACE	± 0.10	± ---					
			0 PLACE	± ---	± ---					
			ANGULAR ± .5 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
			DRAFT WHERE APPLICABLE		SEE TABLE 2		SD-120114-003		2 OF 3	
			MUST REMAIN WITHIN DIMENSIONS		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
1201140092	BTY8050-FBP-05	NO
1201140093	BTY8050-FBP-10	NO
1200550592	BTY8050-FBP-15	NO
1201140202	BTY805N-FBP-05	YES
1200550691	BTY805N-FBP-10	YES
1201140089	BTY805P-FBP-05	YES
1200550832	BTY805P-FBP-05-1	YES
1201140090	BTY805P-FBP-10	YES
1200550864	BTY805P-FBP-10-1	YES
1201140091	BTY805P-FBP-15	YES
1201148030	BTY805P-FBP-15-1	YES
1200550401	BTY805P-FBP-20	YES
1201148037	BTY805P-FBP-20-1	YES
1200550633	BTY805P-FBP-30	YES

ENG. NO. MATRIX:

B

B=BRAD

T

T=TOP MOUNT

Y

Y=YELLOW

8

4=4 PORT

00

VERSION:
00= SINGLE PORT
05= DUAL PORT

0

*

P=PNP
N=NPN
0=NO LED

-

F

F=FEMALE

B

B=BRASS

*

CABLE SEE TABLE 3

-

*

XX=CABLE LENGHT
EXAMPLE: 05=5 METER
10=10 METER

*

S=SHILDED
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	-	-