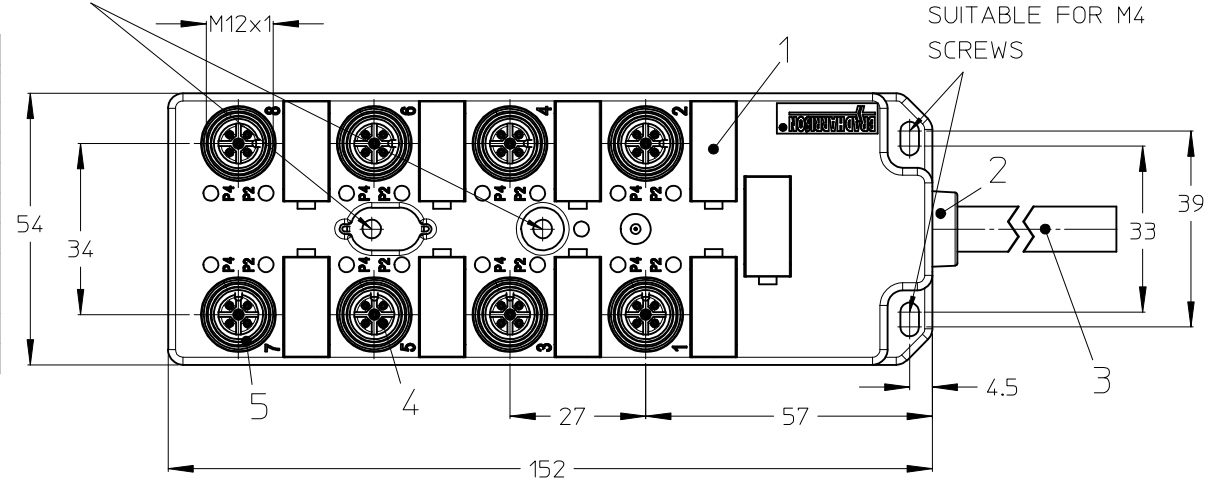


TABLE 1 BILL OF MATERIAL

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

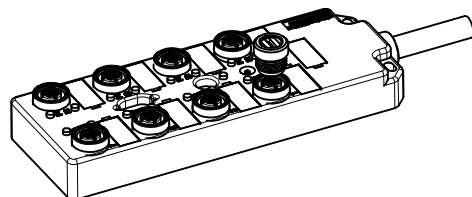
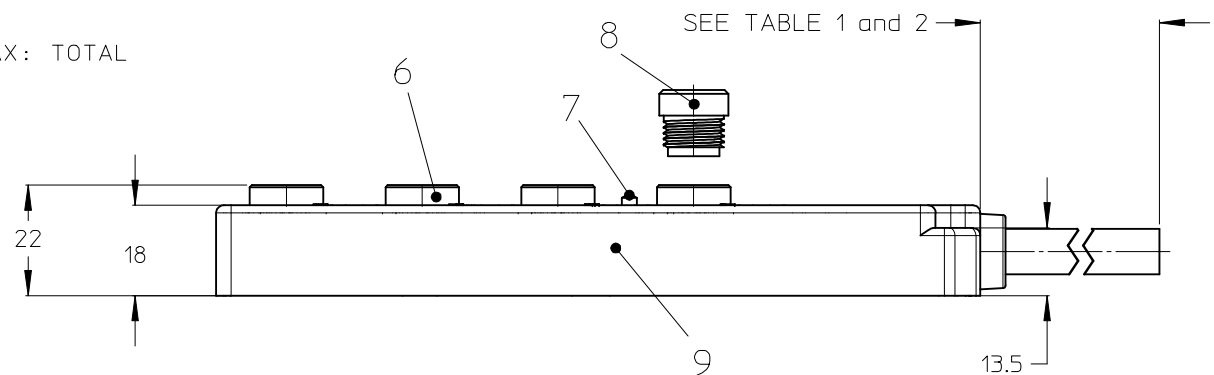
2X FIXING SLOT HOLES
SUITABLE FOR M4
SCREWS



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 CHK:RSILLER 2013/09/25 APPR:CBURGER 2013/10/07	DESCRIPTION	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	TITLE MPIS M12 PNP NPN NOS 5P 8PT AC FE STR XM							
			4 PLACES	± ---	± ---	ULETTENMEIER	2013/07/04								
			3 PLACES	± ---	± ---	CHECKED BY	DATE								
			2 PLACES	± 0.05	± ---	RSILLER	2013/07/10								
						1 PLACE	± 0.10	± ---	APPROVED BY	DATE	molex				
						0 PLACE	± ---	± ---	CBURGER	2013/07/17					
			ANGULAR ± .5 °			MATERIAL NO.		DOCUMENT NO.							
			DRAFT WHERE APPLICABLE			SEE TABLE 2			SD-120114-003			1 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						

10

9

8

7

6

5

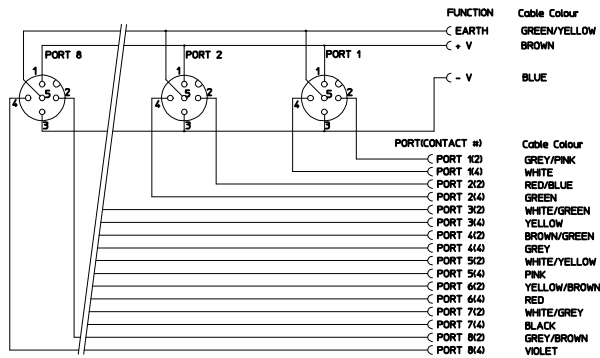
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3

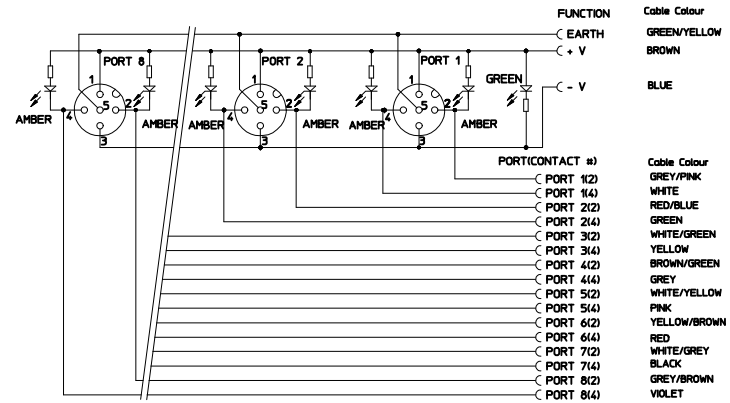
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1

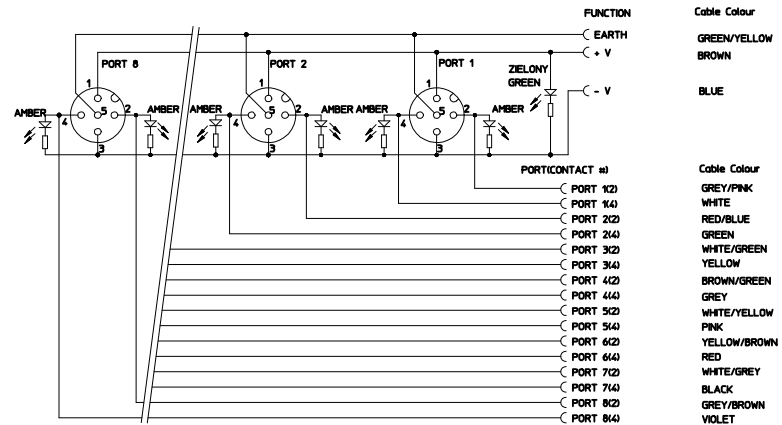
WIRING DIAGRAM NON LED



WIRING DIAGRAM NPN



WIRING DIAGRAM PNP



ENTER DESCRIPTION EC NO: IPG2014-0267 DRAWN: ULETTENMEIER 2013/09/24 CHKD: RSILLER 2013/09/25 APPR: CBURGER 2013/10/07		DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=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 8PT AC FE STR XM		
				4 PLACES	± ---	± ---	ULETTENMEIER	2013/07/04			
				3 PLACES	± ---	± ---	CHECKED BY	DATE	molex		
				2 PLACES	± 0.05	± ---	RSILLER	2013/07/10			
				1 PLACE	± 0.10	± ---	APPROVED BY	DATE	DOCUMENT NO. SD-120114-003		
				0 PLACE	± ---	± ---	CBURGER	2013/07/17			
				ANGULAR ± .5 °		MATERIAL NO.		SHEET NO. 2 OF 3			
				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
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	-	-