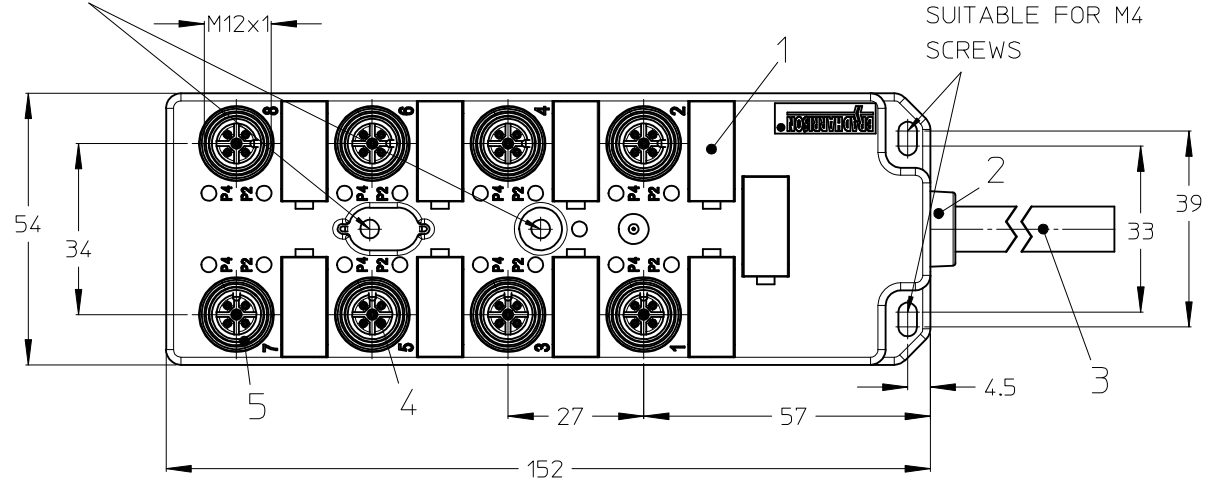


TABLE 1 BILL OF MATERIAL

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

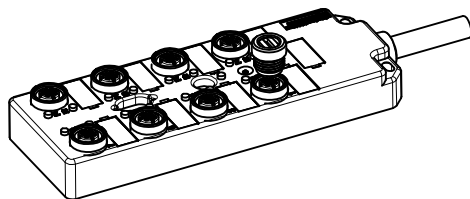
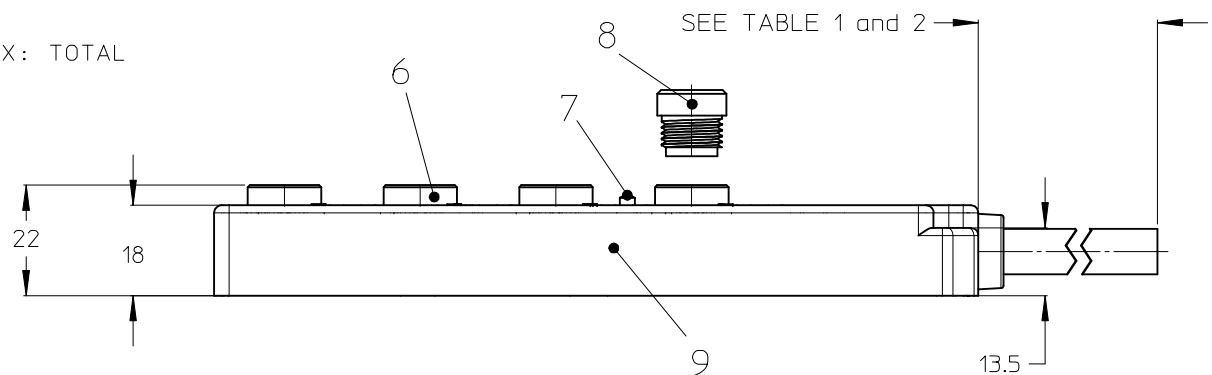
2X FIXING SLOT HOLES
SUITABLE FOR M4
SCREWS



GENERAL CHARACTERISTICS:

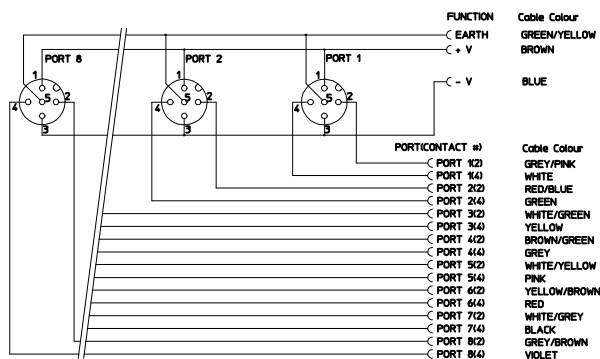
ELECTRICAL AND MECHANICAL DATA ACC. TO IEC 61076-2-101

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

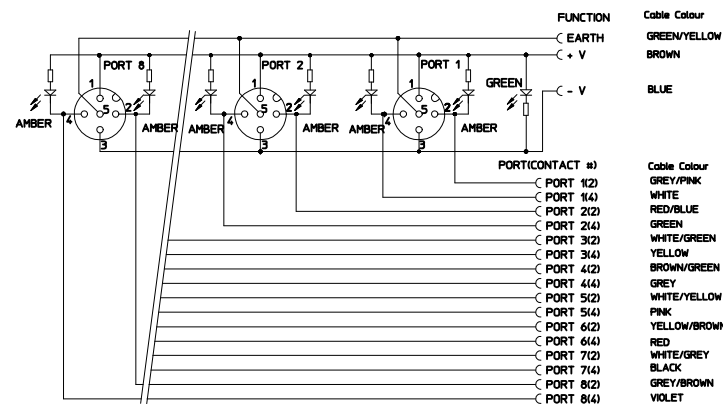


ENTER DESCRIPTION EC NO: IPG2014-0267 DRW:ULETTENMEIER2013/09/24 CHK:RSILLER 2013/09/25 APPR:CBURGER 2013/10/07	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
B1	REV		4 PLACES	± ---	± ---	DRAWN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

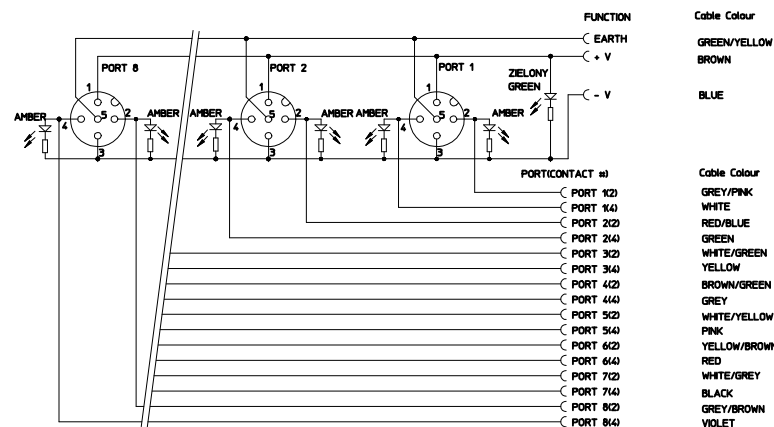
WIRING DIAGRAM NON LED



WIRING DIAGRAM NPN



WIRING DIAGRAM PNP



ENTER DESCRIPTION		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
EC NO: IPG2014-0267		DRAWN: ULETTENMEIER		mm		DATE		1:1		METRIC		⊗	
DRW: ULETTENMEIER		CHECKED BY		INCH		DATE		DRAWN BY		TITLE		MPIS M12 PNP NPN NOS	
CHKD: RSILLER		DATE		4 PLACES ± --- ± ---		2013/07/04		CHECKED BY		5P 8PT AC FE STR XM		RSILLER	
APPR: CBURGER		DATE		3 PLACES ± --- ± ---		2013/07/10		APPROVED BY		molex		CBURGER	
REV		DESCRIPTION		2 PLACES ± 0.05 ± ---		2013/07/17		MATERIAL NO.		DOCUMENT NO.		SD-120114-003	
B1		ANGULAR ± .5 °		1 PLACE ± 0.10 ± ---		SEE TABLE 2		SHEET NO.		2 OF 3		A	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		0 PLACE ± --- ± ---		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	DRAW 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	-	-