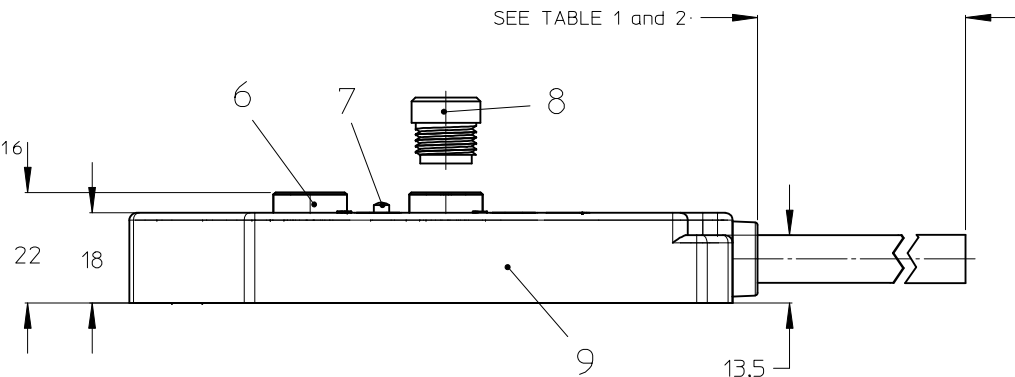
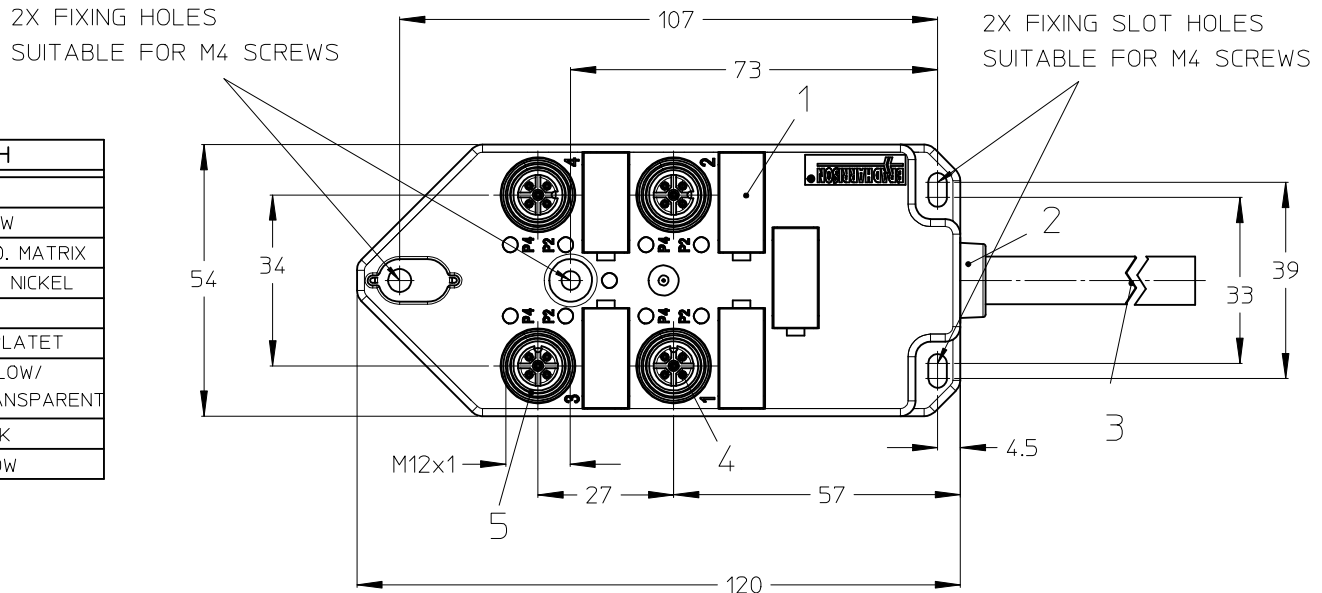
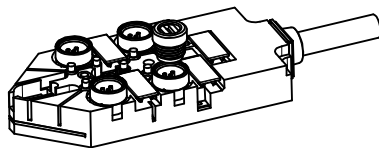


TABLE 1 BILL OF MATERIAL

ITEM	QTY	DESCRIPTION	MATERIAL	FINISH
1	5	LABEL	ABS	WHITE
2	1	CABLE PLATE	PBT	YELLOW
3	1	CABLE	SEE ENG. NO. MATRIX	SEE ENG. NO. MATRIX
4	20	CONTACT	BRASS	GOLD OVER NICKEL
5	4	O-RING	FPM	RED
6	4	SHELL	BRASS	NICKEL PLATET
7	9	LED	NON LED = PBT/ WITH LED = PA	NON LED=YELLOW/ WITH LED=TRANSPARENT
8	2	PROTECTING CAP	PP	BLACK
9	1	HOUSING	PBT	YELLOW

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



ENTER DESCRIPTION EC NO: IPG2014-0267 DRW:ULETTEMEIER 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	
				mm	INCH	DRAWN BY	DATE	TITLE MPIS M12 PNP NPN NOS 5P 4PT AC FE STR XM			
			4 PLACES	± ---	± ---	ULETTEMEIER	2013/07/02				
			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	DOCUMENT NO. molex			
			ANGULAR ± .5 °			MATERIAL NO.					SHEET NO. 1 OF 3
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE TABLE 2					
			REV			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. NO.	LED
1200550604	BTY405P-FBE-10	YES
1200550671	BTY405P-FBI-10	YES
1200550696	BTY405P-FBI-15	YES
1200550737	BTY405P-FBE-20	YES
1200550911	BTY405P-FBP-30	YES
1201140037	BTY405N-FBP-05	YES
1201140038	BTY405N-FBP-10	YES
1201140039	BTY405P-FBP-05	YES
1201140040	BTY405P-FBP-10	YES
1201140041	BTY405P-FBP-15	YES
1201140042	BTY4050-FBP-05	NO
1201140043	BTY4050-FBP-10	NO
1201140044	BTY4050-FBP-15	NO
1201140186	BTY405N-FBP-25	YES

MOLEX P/N	ENG. NO.	LED
1201140187	BTY405P-FBE-05	YES
1201140188	BTY405P-FBP-20	YES
1201140189	BTY4050-FBE-05	NO
1201145036	BTY405P-FBP-05WE	YES
1201145037	BTY405P-FBP-10WE	YES
1201148028	BTY405P-FBP-15-1	YES

ENG. NO. MATRIX:

B	T	Y	4	0	0	X	-	F	B	X	-	X	X	-	X
B=BRAD	T=TOP MOUNT	Y=YELLOW	4=4 PORT	VERSION: 00-SINGLE PORT 05-DUAL PORT		P=PNP N=NPN 0=NO LED		F=FEMALE	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	DRAQ 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:ULETTE/MEIER 2013/09/24 CHKD:RSILLER 2013/09/25 APPR:CBURGER 2013/10/07	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 DATE	TITLE		
				4 PLACES	± ---	± ---	ULETTE/MEIER 2013/07/02	MPIS M12 PNP NPN NOS 5P 4PT 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-120114-093	
				SIZE A2						