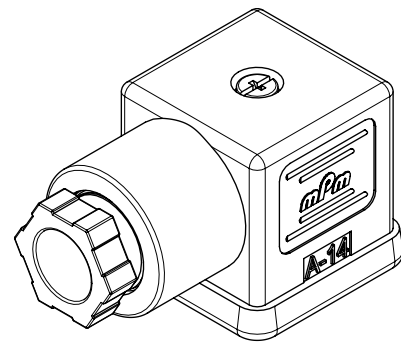




SCALE 1:1

TECHNICAL SPECIFICATION :

MAX. CURRENT : 16.0A
INSULATION RESISTANCE : 100Megaohms min.
MAX. CONDUCTOR : 1.50mm²/16AWG
MAX. VOLTAGE : 250V
CONTACT RESISTANCE : ≤15milliohms max.

CABLE DIAMETER RANGE :
PG6-M16 : 6.00-8.00mm
PG11 - G1/2"-M20 : 8.00-10.0mm

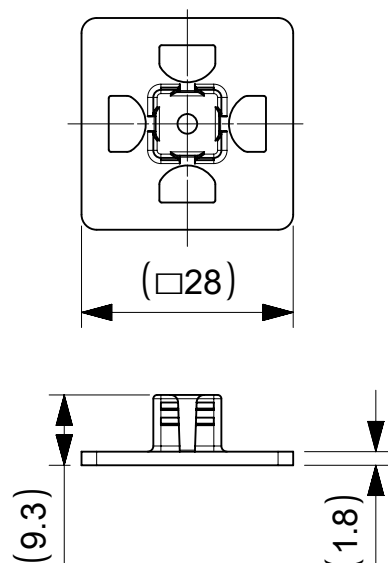
OPERATING TEMPERTURE WITH:
NITRILE RUBBER(NBR) GASKET : -40°C TO +90°C
SILICONE : -40°C TO +125°C

ENVIRONMENTAL : IP65
(IP67 AVAIABLE ON REQUEST)

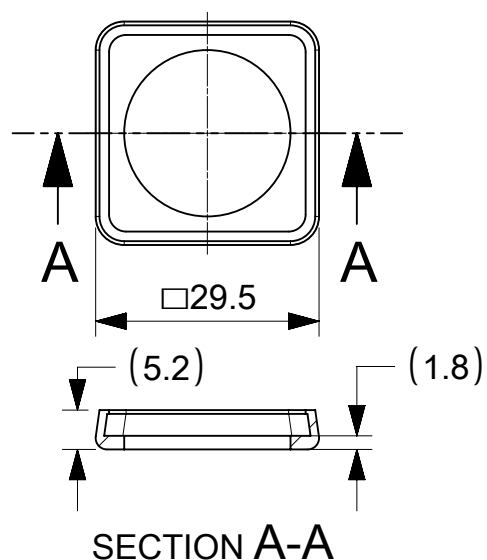
BOM

ITEM	DESCRIPTION	QTY.
1	SCREW	1
2	COVER ASSEMBLY	1
3	INSERT ASSEMBLY	1
4	GASKET	1

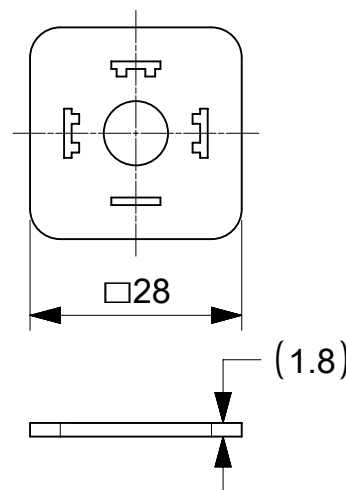
INTEGRATED GASKET



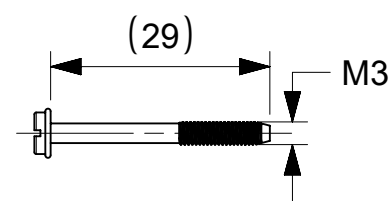
PROFIED GASKET



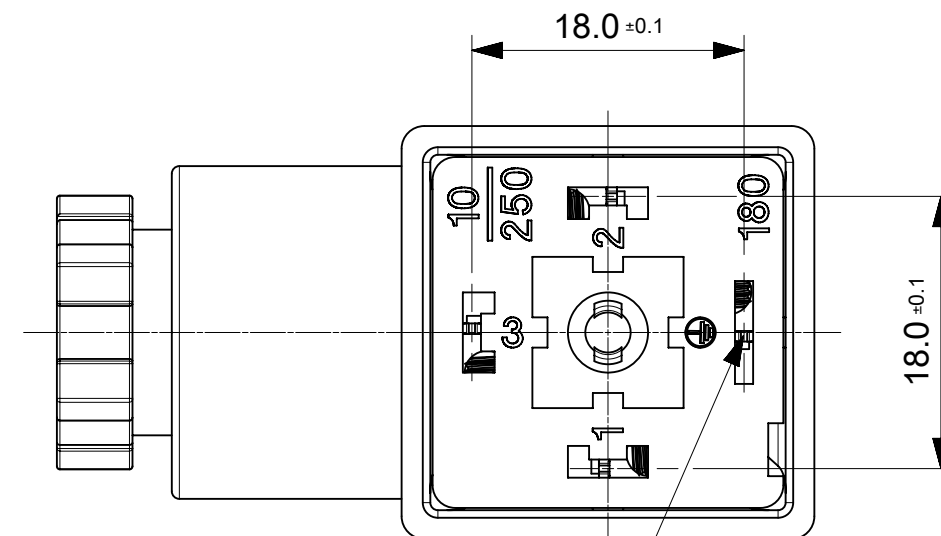
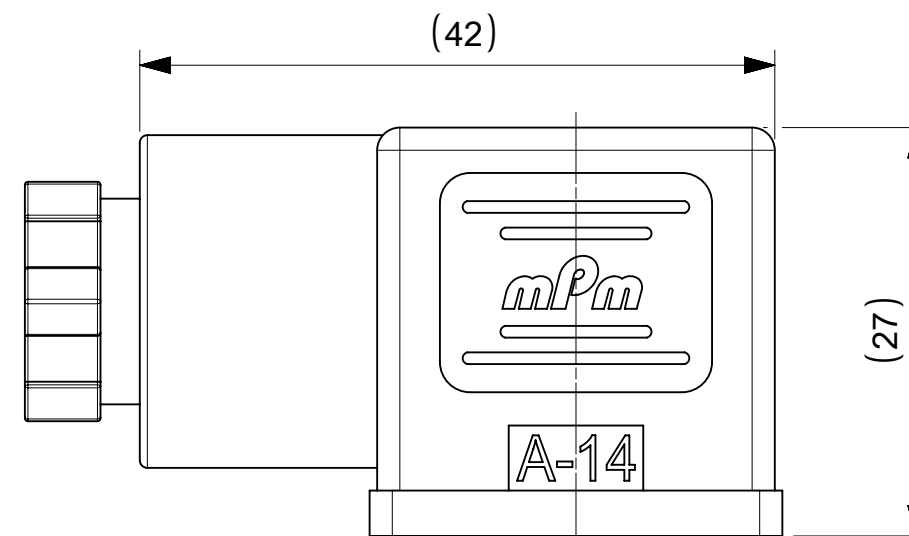
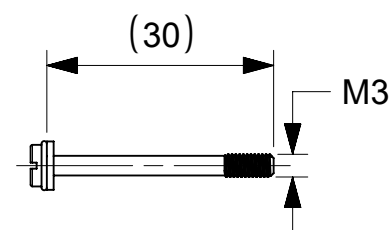
FLAT GASKET



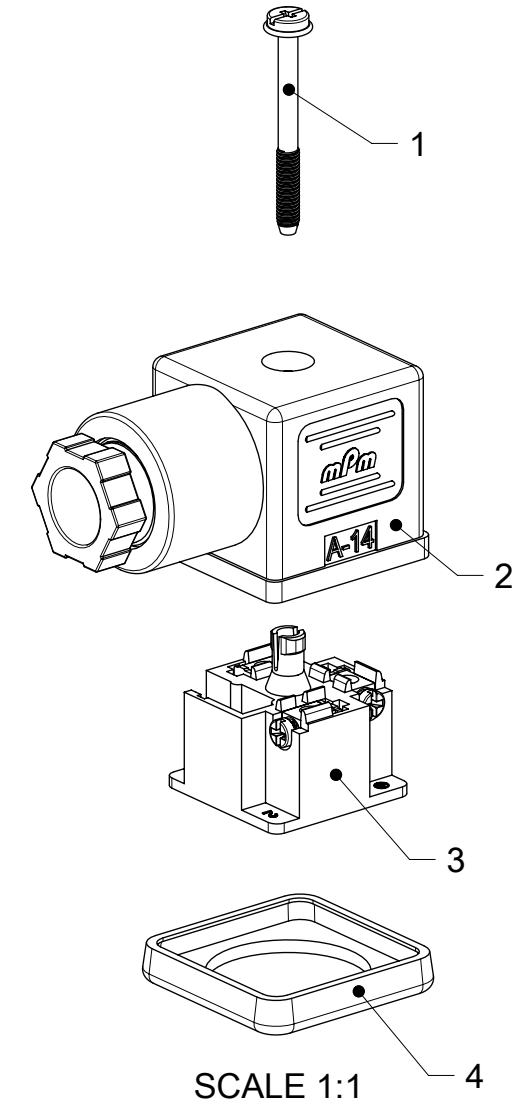
SCREW M3x29



SCREW M3x30 + WASHER



EARTH POSITION
H12 SHOWN

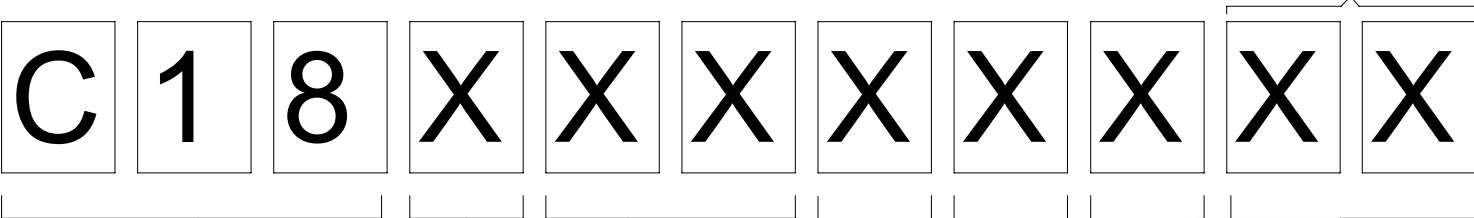


NOTES :

1. PLEASE SEE PDP 1210230229 FOR CURRENTLY CONFIGURED PART NUMBERS.
2. FOR PACKAGING SEE PACKAGING SPEC PK-121023-C18
3. PRODUCT SPEC : SEE PS-121201-001

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													
SYMBOLS		DIMENSION UNITS		SCALE		CURRENT REV DESC:							
		mm		2:1									
 = 0		GENERAL TOLERANCES (UNLESS SPECIFIED)				molex C18 SERIES ASSEMBLY OPTIONS							
 = 0													
 = 0													
 = 0		ANGULAR TOL ± °								EC NO: 707042			
 = 0		4 PLACES ±								DRWN: APAWLAK01 2022/05/17			
 = 0		3 PLACES ±				CHK'D: RSILLER 2022/05/19							
 = 0		2 PLACES ± 0.1				APPR: RSILLER 2022/05/19							
 = 0		1 PLACE ± 0.2				INITIAL REVISION:							
 = 0		0 PLACES ±				DRWN: SSM 2019/01/09							
 = 0		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				APPR: RSILLER 2019/01/15							
= 0						THIRD ANGLE PROJECTION							
= 0						DRAWING							
						SERIES		MATERIAL NUMBER					
						A3-SIZE		121023					
						SEE 1210230229 PDP		CUSTOMER					
						GENERAL MARKET		SHEET NUMBER					
								1 OF 2					

C18 SERIES MATRIX



SERIES
C18 - INTERNAL
THREAD
FORM A

POLES
2 - 2 POLE
3 - 3 POLE

THREAD
09 - PG9
11- PG11
M6 - M6x1.5
M0 - M20x1.5
12 -1/2" GAS,
13 - 1/2" NPTF
39 - PG9 W/STRAIN RELIEF
41 - PG11 W/STRAIN RELIEF

GROUND
POSITION :
0 - UNMOUNTED
2 - H12
3 - H3
6 - H6
9 - H9

MATERIAL AND
HOUSING COLOR:
G - PA6 Grey
N - Black Black
T - Transparent
W - Black UL94 - V0
H - PA6 HEAT PROTECTION
Z - Grey V0

SCREW AND GASKET
1 - NBR PROFILE GASKET & SCREW
2 - NBR FLAT GASKET & SCREW
3 - WHITE SILICONE PROFILE GASKET & SCREW
4 - WHITE SILICONE FLAT GASKET & SCREW
5 - NBR PROFILE GASKET, NO SCREW
9 - NO GASKET , NO SCREW
0 - NO GASKET , NO SCREW
A - NBR PROFILE GASKET & SCREW + 2mm
B - NBR FLAT GASKET & SCREW + 2mm
C - WHITE SILICONE PROFILE GASKET & SCREW + 2mm
G - NO GASKET & STANDARD SCREW
I - BULK PACK FULLY MOUNTED , NO GASKET
P - INTEGRATED NBR GASKET & IP67 SCREW ASSEMBLED
R - INTEGRATED NBR GASKET & IP97 SCREW NOT ASSEMBLED

NON STANDARD COMPONENTS
AF - WITH CENTRE SCREW MOUNTED
14 - SINGLE BAGGED
SA - UL LISTED
19 - PIN No.3 NON CONNECTED/REMOVED
23 - ASSEMBLED SCREWS & GASKET
10 - SPECIAL GROMMET
4S - SPECIAL GROMMET
5A - SINGLED BAGGED 500 IN A BOX
9V - NO SCREW OR GASKET
BM - GOLD TERMINALS
BS - FULLY MOUNTED ALL COMPONENTS
IN SEPERATE BAGS
OH - INOX SCREW
P7 - IP67 COMPLIANT

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
 = 0	DIMENSION UNITS		SCALE		CURRENT REV DESC:											
	mm		1:1													
 = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)							C18 SERIES ASSEMBLY OPTIONS								
 = 0																
 = 0	ANGULAR TOL ± °				EC NO: 707042											
 = 0	4 PLACES ±				DRWN: APAWLAK01		2022/05/17		PRODUCT CUSTOMER DRAWING							
 = 0	3 PLACES ±				CHK'D: RSILLER		2022/05/19									
 = 0	2 PLACES ± 0.1				APPR: RSILLER		2022/05/19		DOCUMENT NUMBER 1210230229							
 = 0	1 PLACE ± 0.2				INITIAL REVISION:											
 = 0	0 PLACES ±				DRWN: SSM		2019/01/09		DOC TYPE		DOC PART	REVISION				
 = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				APPR: RSILLER		2019/01/15		PSD		000	A1				
 = 0																
 = 0					THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
							A3-SIZE		121023		SEE 1210230229 PDP		GENERAL MARKET		2 OF 2	

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C18 SERIES ASSEMBLY OPTIONS

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1210230229	PSD	000	A1

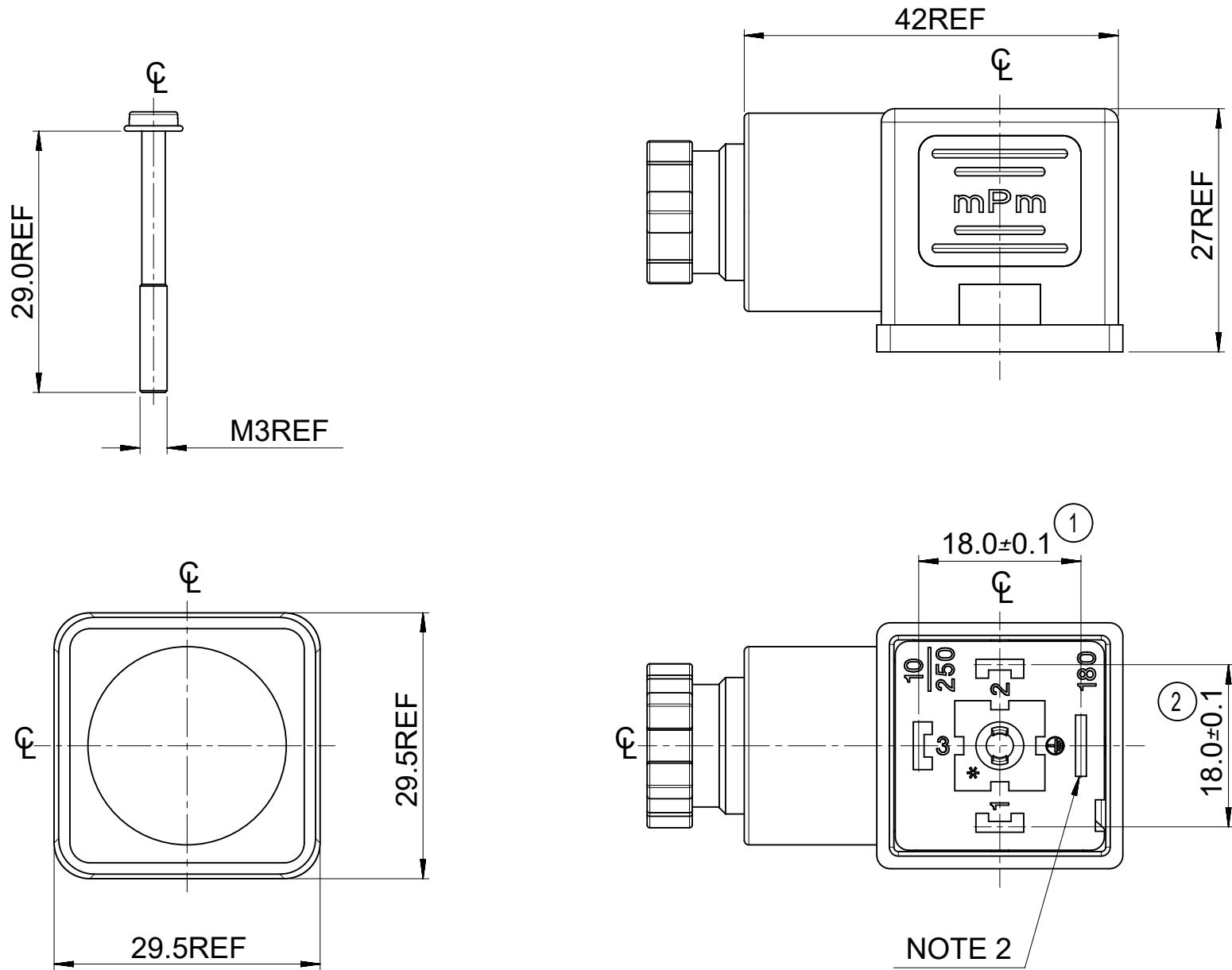
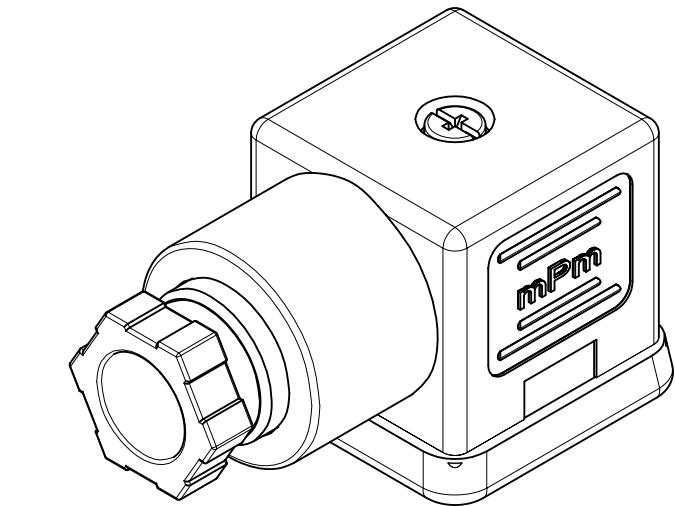
ITEM	DESCRIPTION
1	SCREW
2	COVER ASSEMBLY
3	INSERT ASSEMBLY
4	GASKET

C18209N21 **

SERIES
C18= INTERNAL THREAD FORM A
POLES
2= 2 POLE & 3= 3 POLE
THREAD SIZE
09= PG9, 11= PG11, M6= M16x1.5, M0= M20x1.5, 12= 1/2" GAS, 13= 1/2" NPTF
39= PG9 W/STRAIN RELIEF, 41= PG11 W/STRAIN RELIEF
MATERIAL AND HOUSING COLOUR
G = PA6 GRAY, H= PA6 HEAT PROTECTION,
N= PA6 BLACK, W= PA66 BLACK V0, T= TRANSPARENT
GROUND POSITION
0= UNMOUNTED, 2= H12, 3= H3, 6= H6 & 9= H9

SCREW AND GASKET
1= NBR PROFILE GASKET & SCREW
2= NBR FLAT GASKET & SCREW
3= WHITE SILICONE PROFILE GASKET & SCREW
4= WHITE SILICONE FLAT GASKET & SCREW
5= NBR PROFILE GASKET, NO SCREW
9= NO GASKET, NO SCREW
0= NO GASKET, NO SCREW
A= NBR PROFILE GASKET & SCREW +2mm
B= NBR FLAT GASKET & SCREW +2mm
C= WHITE SILICONE PROFILE GASKET & SCREW +2mm
G= NO GASKET & STANDARD SCREW
I= BULK PACK FULLY MOUNTED, NO GASKET
P= INTEGRATED NBR GASKET & IP67 SCREW ASSEMBLED
R= INTEGRATED NBR GASKET & IP67 SCREW NOT ASSEMBLED

NON STANDARD COMPONENTS
14= SINGLE BAG
19= PIN NO.3 NON CONNECTED/REMOVED,
23= ASSEMBLED SCREWS & GASKET
10= SPECIAL GROMMET
4S= SPECIAL GROMMET
5A= SINGLE BAGGED 500 IN A BOX
9V= NO SCREW OR GASKET
AF= CENTRE SCREW MOUNTED
BM= GOLD TERMINALS
BS= FULLY UNMOUNTED ALL COMPONENTS IN SEPARATE BAGS
OH= INOX SCREW
P7= IP67 COMPLIANT
SA= UL LISTED PART



- NOTES
- PLEASE SEE SHEET 2 FOR CURRENTLY CONFIGURED PART NUMBERS, FOR SPECIFIC PART NUMBERS PLEASE CONTACT SALES OR CONSULT THE INTELLIGENT PART NUMBERS IN THE TABLE ATTACHED
 - EARTH POSITION SHOWN, H12.
 - FOR PACKAGING SEE PACKAGING SPEC PK-121023-C18
 - PRODUCT SPEC: SEE PS-121201-001

LAST INSPECTION NUMBER 2

FUNCTIONAL SYMBOLS ▽_A = 0 ▽_C = 0 ▽_P = 0 DIVISIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
	DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#515767										
	mm		1.5:1												
	GENERAL TOLERANCES (UNLESS SPECIFIED)														
			MM	INCH	EC NO: 806185 DRWN: VISHAH2 2024/11/25 CHK'D: GGA 2024/12/16 APPR: GGA 2024/12/16										
	4 PLACES	±		±											
	3 PLACES	±		±											
	2 PLACES	±	0.1	±											
	1 PLACE	±	0.2	±											
	0 PLACES	±		±	INITIAL REVISION: DRWN: JOCONNOR 2011/05/04 APPR: EFOLAN 2011/05/24										
ANGULAR TOL ± °															
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						A2-SIZE		121023		SEE TABLE		GENERAL MARKET		1 OF 2	

DOCUMENT STATUS				P1				RELEASE DATE				2024/12/16				13:41:07			
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C18 SERIES
INTERNAL THREAD

PRODUCT CUSTOMER DRAWING

SD-121023-001

PSD 001 P5

		14	13	12	11	10	9	8	7	6	5	4	3	2	1												
H		PART No.	mPm PART No.	DESCRIPTION																							
		1210230229	C18209G21	TYPE A 2P PG9 GRAY, NBR PROFILE GASKET & SCREW																							
		1210230231	C18209G22	TYPE A 2P PG9 GRAY, NBR FLAT GASKET & SCREW																							
		1210230238	C18209N21	TYPE A 2P PG9 BLACK, NBR PROFILE GASKET & SCREW																							
		1210230242	C18209N22	TYPE A 2P PG9 BLACK, NBR FLAT GASKET & SCREW																							
		1210230244	C18209N23	TYPE A 2P PG9 BLACK, WHITE SILICONE PROFILE GASKET & SCREW																							
		1210230245	C18209N24	TYPE A 2P PG9 BLACK, WHITE SILICONE FLAT GASKET & SCREW																							
		1210230246	C18209N25	TYPE A 2P PG9 BLACK, NBR PROFILE GASKET, NO SCREW																							
		1210230249	C18209N2A	TYPE A 2P PG9 BLACK, NBR PROFILE GASKET & SCREW +2mm																							
		1210230251	C18209N31	TYPE A 2P PG9 BLACK, NBR PROFILE GASKET & SCREW																							
G		1210230252	C18209N61	TYPE A 2P PG9 BLACK, NBR PROFILE GASKET & SCREW																							
		1210230253	C18209N62	TYPE A 2P PG9 BLACK, NBR FLAT GASKET & SCREW																							
		1210230254	C18209T21	TYPE A 2P PG9 TRANSPARENT, NBR PROFILE GASKET & SCREW																							
		1210230271	C18211G21	TYPE A 2P PG11 GRAY, NBR PROFILE GASKET & SCREW																							
		1210230278	C18211N21	TYPE A 2P PG11 BLACK, NBR PROFILE GASKET & SCREW																							
		1210230282	C18211N23	TYPE A 2P PG11 BLACK, WHITE SILICONE PROFILE GASKET & SCREW																							
		1210230283	C18211N24	TYPE A 2P PG11 BLACK, WHITE SILICONE FLAT GASKET & SCREW																							
		1210230284	C18211N61	TYPE A 2P PG11 BLACK, NBR PROFILE GASKET & SCREW																							
		1210230286	C18211T21	TYPE A 2P PG11 TRANSPARENT, NBR PROFILE GASKET & SCREW																							
		1210230319	C18213N21	TYPE A 2P 1/2" NPTF BLACK, NBR PROFILE GASKET & SCREW																							
F		1210230328	C18239G21	TYPE A 2P PG9 W/STRAIN RELIEF GRAY, NBR PROFILE GASKET & SCREW																							
		1210230336	C18309G21	TYPE A 3P PG9 GRAY, NBR PROFILE GASKET & SCREW																							
		1210230337	C18309G22	TYPE A 3P PG9 GRAY, NBR FLAT GASKET & SCREW																							
		1210230341	C18309N21	TYPE A 3P PG9 BLACK, NBR PROFILE GASKET & SCREW																							
		1210230345	C18309N23	TYPE A 3P PG9 BLACK, WHITE SILICONE PROFILE GASKET & SCREW																							
		1210230346	C18309N24	TYPE A 3P PG9 BLACK, WHITE SILICONE FLAT GASKET & SCREW																							
		1210230352	C18309N2G	TYPE A 3P PG9 BLACK, NO GASKET, & STANDARD SCREW																							
		1210230358	C18309T21	TYPE A 3P PG9 TRANSPARENT, NBR PROFILE GASKET & SCREW																							
		1210230364	C18309W21	TYPE A 3P PG9 BLACK V0, NBR PROFILE GASKET & SCREW																							
		1210230367	C18309W23	TYPE A 3P PG9 BLACK V0, WHITE SILICONE PROFILE GASKET & SCREW																							
E		1210230372	C18311G21	TYPE A 3P PG11 GRAY, NBR PROFILE GASKET & SCREW																							
		1210230373	C18311G22	TYPE A 3P PG11 GRAY, NBR FLAT GASKET & SCREW																							
		1210230374	C18311G61	TYPE A 3P PG11 GRAY, NBR PROFILE GASKET & SCREW																							
		1210230377	C18311N21	TYPE A 3P PG11 BLACK, NBR PROFILE GASKET & SCREW																							
		1210230378	C18311N22	TYPE A 3P PG11 BLACK, NBR FLAT GASKET & SCREW																							
		1210230379	C18311N31	TYPE A 3P PG11 BLACK, NBR PROFILE GASKET & SCREW																							
		1210230382	C18311N61	TYPE A 3P PG11 BLACK, NBR PROFILE GASKET & SCREW																							
		1210230384	C18311T21	TYPE A 3P PG11 TRANSPARENT, NBR PROFILE GASKET & SCREW																							
		1210230401	C18312N22	TYPE A 3P 1/2" GAS BLACK, NBR FLAT GASKET & SCREW																							
		1210230414	C18313N21	TYPE A 3P 1/2" NPTF BLACK, NBR PROFILE GASKET & SCREW																							
D		1210230415	C18313N22	TYPE A 3P 1/2" NPTF BLACK, NBR FLAT GASKET & SCREW																							
		1210230421	C18339N23	TYPE A 3P PG9 W/STRAIN RELIEF BLACK, WHITE SILICONE PROFILE GASKET & SCREW																							
		1210230422	C18339N2C	TYPE A 3P PG9 W/STRAIN RELIEF BLACK, WHITE SILICONE PROFILE GASKET, & SCREW +2mm																							
		1210230645	C183M6N21	TYPE A 3P M16x1.5 BLACK, NBR PROFILE GASKET & SCREW																							
		1210230660	C183M0N21	TYPE A 3P M20x1.5 BLACK, NBR PROFILE GASKET & SCREW																							
		1210230662	C182M0N21	TYPE A 2P M20x1.5 BLACK, NBR PROFILE GASKET & SCREW																							
		1210230677	C182M6N21	TYPE A 2P M16x1.5 BLACK, NBR PROFILE GASKET & SCREW																							
		1210230704	C182M6N22	TYPE A 2P M16x1.5 BLACK, NBR FLAT GASKET & SCREW																							
		1210230718	C182M6G21	TYPE A 2P M16x1.5 GRAY, NBR PROFILE GASKET & SCREW																							
		1210230741	C183M0N2G	TYPE A 3P M20x1.5 BLACK, NO GASKET, & STANDARD SCREW																							
C		1210230763	C18311W2G	TYPE A 3P PG11 BLACK V0, NO GASKET, & STANDARD SCREW																							
		1210230780	C18312N23	TYPE A 3P 1/2" GAS BLACK, WHITE SILICONE PROFILE GASKET & SCREW																							
		1210230793	C18309N2A	TYPE A 3P PG9 BLACK, NBR PROFILE GASKET & SCREW +2mm																							
B																											
A																											
		DOCUMENT STATUS	P1	RELEASE DATE	2024/12/16	13:41:07																					
		13		12		11		10		9		8		7		6		5		4		3		2		1	

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
	DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#515767				molex C18 SERIES INTERNAL THREAD							
	mm		2:1													
	GENERAL TOLERANCES (UNLESS SPECIFIED)															
			MM		INCH		EC NO: 806185 DRWN: VISHAH2 2024/11/25 CHK'D: GGA 2024/12/16 APPR: GGA 2024/12/16									
	4 PLACES ±		±													
	3 PLACES ±		±													
	2 PLACES ± 0.1		±													
	1 PLACE ± 0.2		±													
	DIVISIONAL SYMBOLS	0 PLACES ±		±		INITIAL REVISION: DRWN: JOCONNOR 2011/05/04 APPR: EFOLAN 2011/05/24				DOCUMENT NUMBER SD-121023-001		DOC TYPE PSD		DOC PART 001		REVISION P5
ANGULAR TOL ± °																
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING A2-SIZE		SERIES 121023		MATERIAL NUMBER SEE TABLE		CUSTOMER GENERAL MARKET		SHEET NUMBER 2 OF 2		

FORMS: Mediso-master-to-print-A2		13		12		11		10		9		8		7		6		5		4		3		2		1	
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FUNCTIONAL SYMBOLS DIVISIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																
	DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#515767				molex								
	mm		2:1														
	GENERAL TOLERANCES (UNLESS SPECIFIED)								C18 SERIES INTERNAL THREAD								
		MM		INCH													
	4 PLACES		±		±	EC NO: 806185 DRWN: VISHAH2 2024/11/25 CHK'D: GGA 2024/12/16 APPR: GGA 2024/12/16				PRODUCT CUSTOMER DRAWING							
	3 PLACES		±		±												
	2 PLACES		±	0.1	±												
	1 PLACE		±	0.2	±	INITIAL REVISION: DRWN: JOCONNOR 2011/05/04 APPR: JFOCANLAN 2011/05/24				DOCUMENT NUMBER			DOC TYPE		DOC PART		REVISION
	0 PLACES		±		±					SD-121023-001			PSD		001		P5
ANGULAR TOL		±		°													
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER		
							A2-SIZE		121023		SEE TABLE		GENERAL MARKET		2 OF 2		