

S02 SERIES MATRIX

S 0 2 2 0 9 T A 1 1 1 * *

SERIES:
S02- INTERNAL THREAD
FORM B

POLES:
2-2 POLE

THREAD:
07-PG7
09-PG9
11-PG11
M2-M12X1.5
M6-M16X1.5

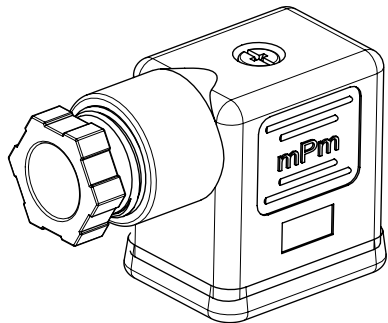
MATERIAL AND
HOUSING COLOUR:
G-PA6 GRAY
N-PA6 BLACK
W-PA6 BLACK V0
T-PA12 TRANSPARENT
B-PA6 WHITE

CIRCUIT:
SEE DETAILS
IN CATALOGUE

VOLTAGE:
SEE DETAILS
IN CATALOGUE

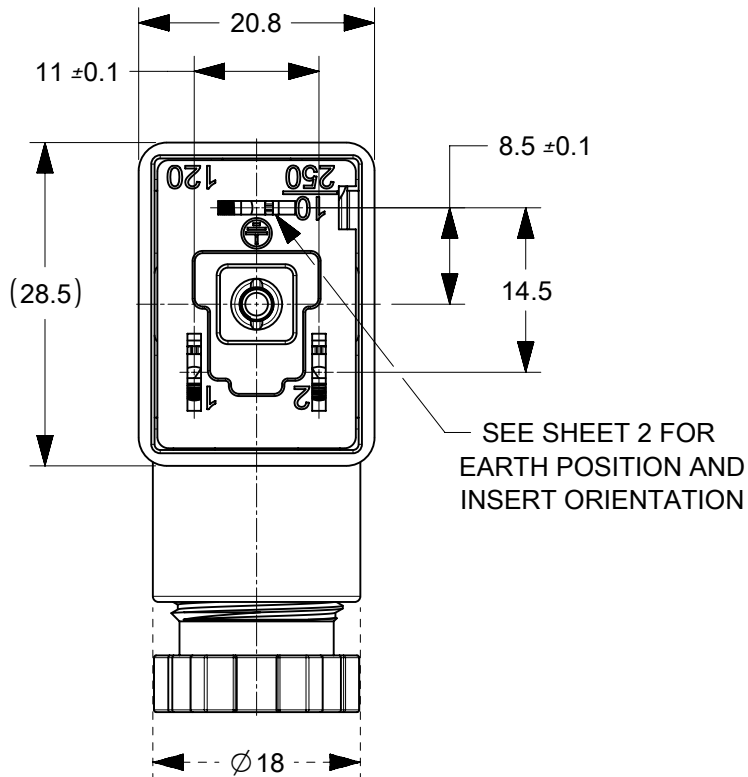
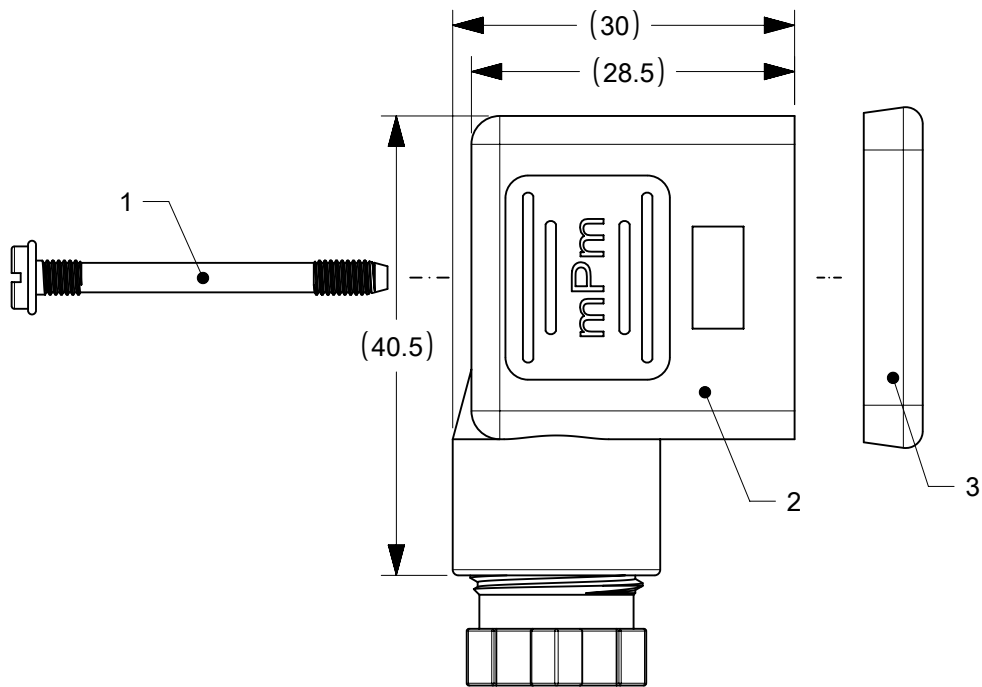
SCREW AND GASKET:
1- NBR PROFILE GASKET & SCREW
2- NBR FLAT GASKET & SCREW
3-WHITE SILICON PROFILE GASKET & SCREW
4-WHITE SILICON FLAT GASKET & SCREW
A-NBR PROFILE GASKET & SCREW +2MM
B-NBR FLAT GASKET & SCREW +2MM

NON STANDARD COMPONENTS:
04-EARTH POSITION AT H6
14-PACKED IN NEUTRAL BAG
A-SCREW 2MM LONGER THAN STANDARD
5A-SINGLE BAGGED WITH 500 IN A BOX
5J-100 IN A BOX
5N-PACKED IN BOXES OF 200
SA-UL LISTED



SCALE 1:1

SEE TABLE 1 FOR GASKET AND SCREW TYPES



GASKET HIDDEN FOR CLARITY

SEE SHEET 2 FOR
EARTH POSITION AND
INSERT ORIENTATION

ITEM	DESCRRPTION/OPIS
1	SCREW
2	COVER+INSERT ASSEMBLY
3	GASKET

TABLE 1

PROFIED GASKET	FLAT GASKET	SCREW M3x31

TECHNICAL SPECIFICATION:

OPERATING CURRENT: 16A
CONTACT RESISTANCE: <15 mOhms MAX.

OPERATING TEMPERATURE:
NBR GASKET: -40° TO +90°C
SILICONE GASKET: -40° TO 125°C

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#514336				molex S022 PG9 T WPCB A1 12V RED LED H12 PRODUCT CUSTOMER DRAWING			
mm		3:2									
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 825581 DRWN: SAMP RS 2025/04/25 CHK'D: GGA 2025/06/25 APPR: GGA 2025/06/25							
ANGULAR TOL ± 1.0°											
4 PLACES		±									
3 PLACES		±									
2 PLACES		± 0.05									
1 PLACE		± 0.3									
0 PLACES		± 0.5									
INITIAL REVISION:				DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
DRWN: MDHARMANTI 2018/11/29				1210641752		PSD		000		A3	
APPR: RSILLER 2019/02/14											
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER	
						A3-SIZE		121064		SEE PART LIST	
										CUSTOMER	
										GENERAL MARKET	
										SHEET NUMBER	
										1 OF 2	

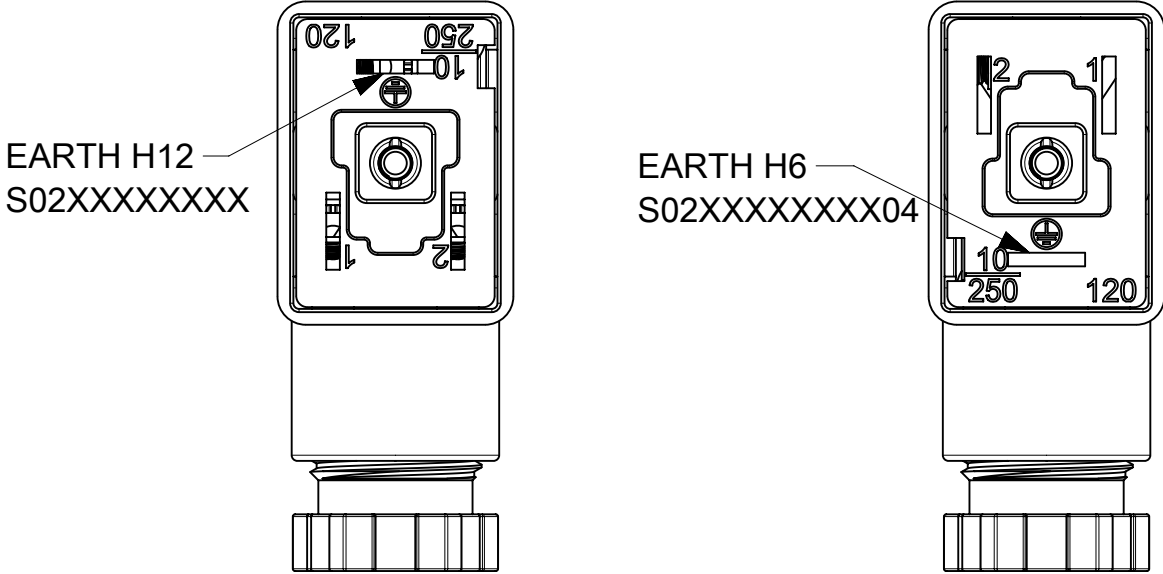
PART LIST AND BOM

ENGINEERING NO.	MOLEX P/N	EARTH
S02207TC421	1210640007	H12
S02209ND021	1210640035	H12
S02209ND041	1210640037	H12
S02209ND051	1210640038	H12
S02209NE051	1210640039	H12
S02209TA121	1210640058	H12
S02209TA122	1210640060	H12
S02209TA141	1210640064	H12
S02209TA151	1210640068	H12
S02209TA152	1210640069	H12
S02209TA1H1	1210640077	H12
S02209TC321	1210640087	H12
S02209TC3B1	1210640093	H12
S02209TC3H1	1210640094	H12
S02209TC421	1210640097	H12
S02209TC422	1210640099	H12
S02209TC431	1210640102	H12
S02209TC441	1210640104	H12
S02209TC442	1210640106	H12
S02209TC451	1210640108	H12
S02209TC452	1210640110	H12
S02209TC4B1	1210640113	H12
S02209TC4D2	1210640117	H12
S02209TC4E2	1210640119	H12
S02209TC4H1	1210640120	H12
S02209TC4L1	1210640122	H12
S02209TC4M1	1210640124	H12
S02209WE051	1210640129	H12
S02209TC4G1	1210641343	H12

ENGINEERING NO.	MOLEX P/N	EARTH
S022M6NE052	1210641364	H12
S022M6TC4H1	1210641375	H12
S02209TC421SA	1210641395	H12
S022M6TC421	1210641406	H12
S02209TC332	1210641409	H12
S02209WE051SA	1210641585	H12
S02207TC321	1210641593	H12
S022M0TC4B1	1210641649	H12
S02209TC421B	1210641655*	H12
S02209TC322	1210641742	H12
S02209TA111	1210641752	H12
S02209TA1H2	1210641818	H12
S02209TA12204	1210650061	H6
S02209TC3228602	1210650077*	H12
S02209TC4228602	1210650084*	H12
S02209TC4428602	1210650088*	H12
S02207TC422SA	1210641353	H12
S02207TC441SA	1210641631	H12

INSERT ORIENTATION

HOUSING 2 POLES +1 EARTH

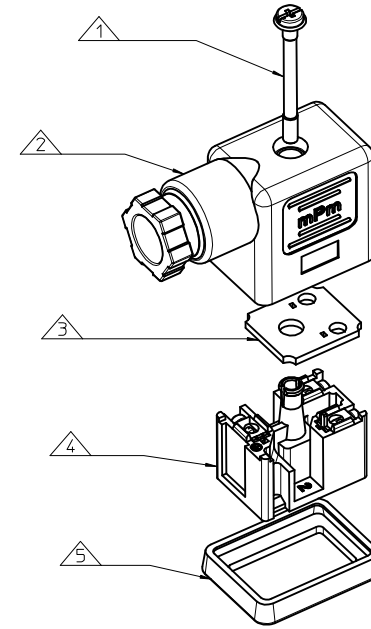
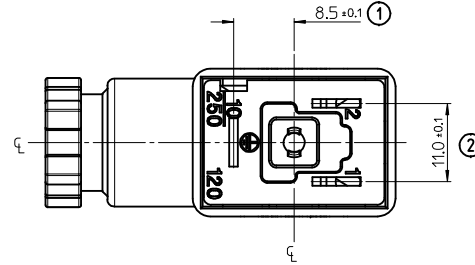
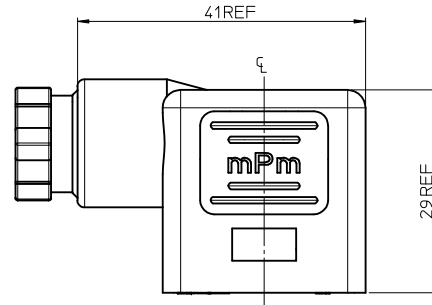
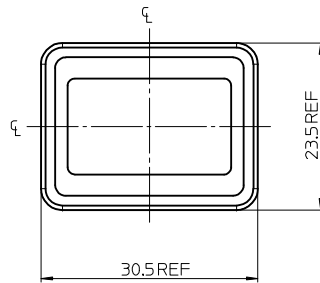
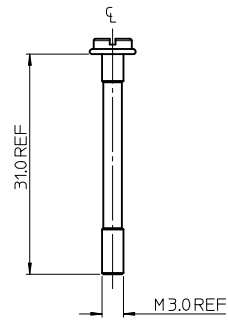
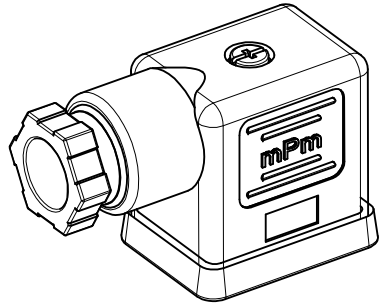


NOTE:
* P/Ns 1210650088,1210650084,
1210650077 & 1210641655 are special customer P/N's.

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DIMENSION UNITS		SCALE	CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#514336									
mm		3:2										
GENERAL TOLERANCES (UNLESS SPECIFIED)			EC NO: 825581 DRWN: SAMPRS 2025/04/25 CHK'D: GGA 2025/06/25 APPR: GGA 2025/06/25 INITIAL REVISION: DRWN: MDHARMANTI 2018/11/29 APPR: RSILLER 2019/02/14									
ANGULAR TOL ± 1.0 °												
4 PLACES		±										
3 PLACES		±										
2 PLACES		± 0.05										
1 PLACE		± 0.3										
0 PLACES		± 0.5										
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
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									PSD		000	A3
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DOCUMENT STATUS	P1	RELEASE DATE	2025/06/25	06:18:31
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EM-121064-094



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

S02209TA111**

SERIES S02= INTERNAL THREAD FORM B
POLES 2= 2 POLE
THREAD 07= PG7, 09= PG9, 11= PG11, M2= M12x1.5, M6= M16x1.5, M0= M20x1.5, 39= PG9 WITH STRAIN RELIEF
MATERIAL AND HOUSING COLOUR G= PA6 GRAY, N= PA6 BLACK, W= PA6 BLACK V0, T= PA12 TRANSPARENT, B= PA6 WHITE
CIRCUIT SEE DETAILS IN CATALOGUE
VOLTAGE SEE DETAILS IN CATALOGUE
SCREW AND GASKET 1= NBR PROFILE GASKET & SCREW, 2= NBR FLAT GASKET & SCREW, 3= WHITE SILICON PROFILE GASKET & SCREW, 4= WHITE SILICON FLAT GASKET & SCREW, A= NBR PROFILE GASKET AND SCREW +2mm, B= NBR FLAT GASKET AND SCREW +2mm

NON STANDARD COMPONENTS 04= EARTH POSITION AT H6, 14= PACKED IN NEUTRAL BAG, A= SCREW 2mm LONGER THAN STANDARD, 5A= SINGLE BAGGED WITH 500 IN A BOX, 5J= 100 IN A BOX, 5N= PACKED IN BOXES OF 200, SA= UL LISTED

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, H6.
- PRODUCT SPEC: SEE PS-121201-001, WITH EXCEPTION.
- FOR PACKAGING SEE PACKAGING SPEC PK-121065-S02.

LAST INSPECTION NUMBER 2

UPDATED NOTE 3 EC NO: IPG2015-1871 DRWN:BCAFFREY 2015/04/28 CHKD: APPR:STGRUFFIN 2015/05/13	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1.5:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
			mm	INCH	DRAWN BY JOCONNOR	DATE 2011/05/18	TITLE S02 SERIES INTERNAL THREAD			
			4 PLACES ± ---	± ---	CHECKED BY DMAHER	DATE 2011/05/19	MOLEX MOLEX INCORPORATED			
			3 PLACES ± ---	± ---	APPROVED BY EFOLAN	DATE 2011/06/07				
			2 PLACES ± 0.1	± ---	ANGULAR ± ---°					
1 PLACE ± 0.2	± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 2 & 3		SD-121064-005		SHEET NO. 1 OF 3		
REV					SIZE A2	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

