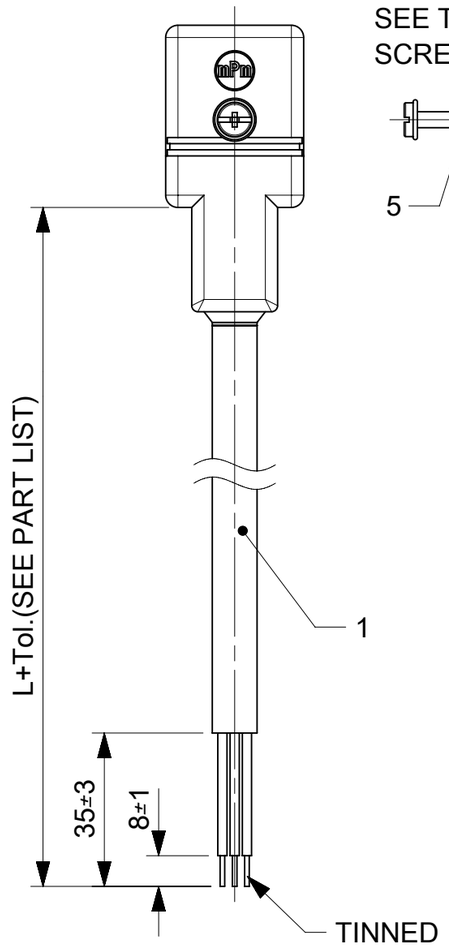
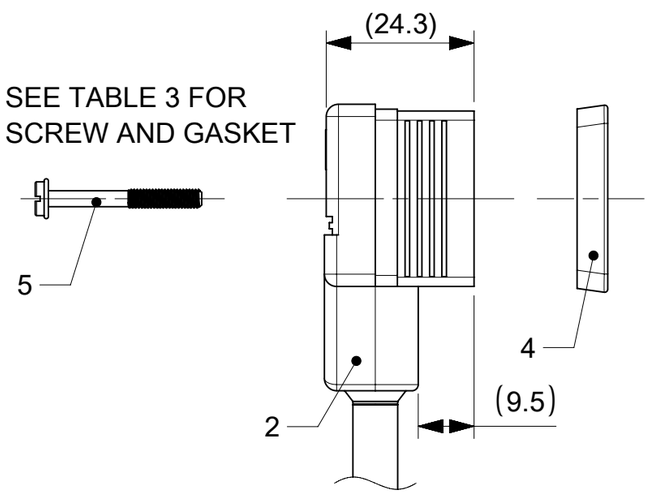
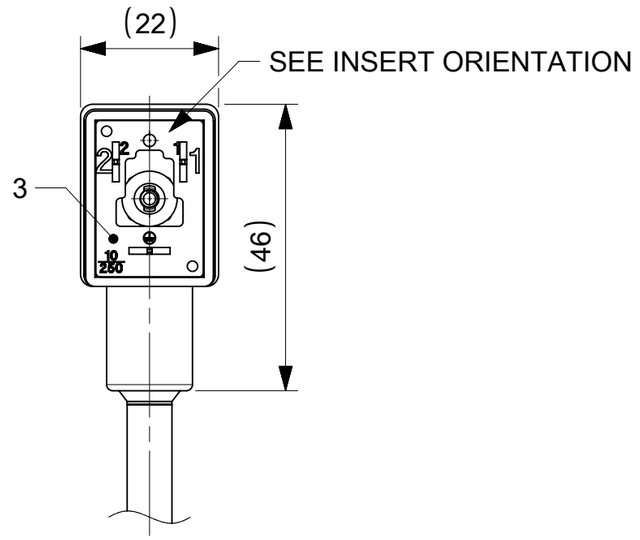




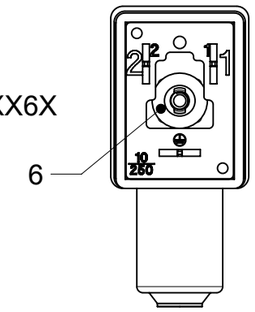


WIRING CONFIGURATION

E161XXXXXXXX	BROWN	1
	BLUE	2
E162XXXXXXXX	BROWN	1
	BLUE	2
	GREEN/YELLOW	⏚

INSERT ORIENTATION

E16XXXXXXX6X



E16XXXXXXX2X

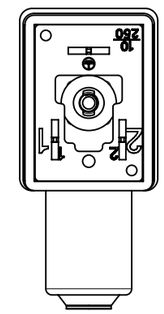


TABLE 3

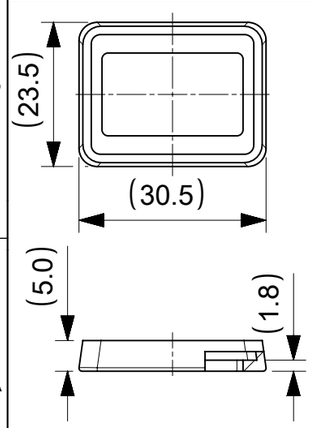
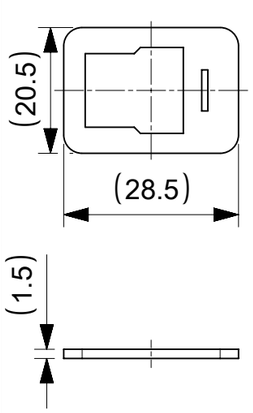
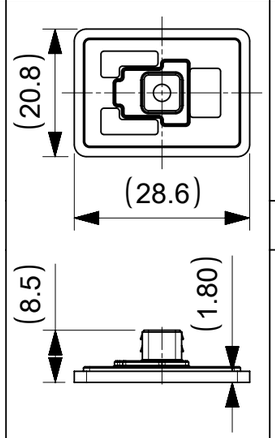
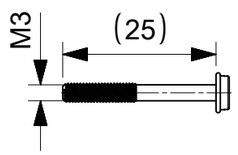
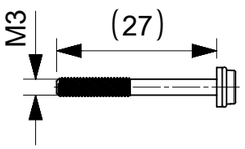
Profiled Gasket	Flat Gasket	Integrated Gasket	Screw M3x25
			
			Screw M3x27 + Washer
			

TABLE 1

ITEM NO.	QTY	DESCRIPTION	MATERIAL	FINISH/COLOR
1	-	CABLE	SEE CABLE LIST	
2	1	POLYPROP MLD COMPOUND-SELF EX	SEE PAGE 2	
3	1	MOUNTED INSERT	-	BLACK
4	1	GASKET	SEE TABLE 3	
5	1	SCREW	SEE TABLE 3	
6	1	SPACER	PA6	BLACK

TABLE 2

TABLE OF LENGTH TOLERANCE (MM)		
OVER	UPTO AND INCULDING	TOLERANCE (+)
0	1000	±20
1000	3000	±30
3000	5000	±40
5000	10000	±50
10000	15000	±100
15000	20000	±150
20000		±LENGTH/100

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DIMENSION UNITS	SCALE
mm	1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

CURRENT REV DESC: REMOVED OBSOLETED PART NUMBERS AS PER PCN#515183

EC NO: 826032
DRWN: SAMPRS 2025/06/09
CHK'D: GGA 2025/06/30
APPR: GGA 2025/06/30

INITIAL REVISION:
DRWN: MDHARMANTI 2019/01/14
APPR: RSILLER 2019/02/01

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 121040

molex

MPM E16XXXXXXXXX

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1210400254	PSD	000	A2

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE PART LIST	GENERAL MARKET	1 OF 3

DOCUMENT STATUS	P1	RELEASE DATE	2025/06/30 17:14:26

FORMAT: master-tb-prod-A3
REVISION: J1
DATE: 2021/05/01

PART No. MATRIX

E	1	6	X	X	X	X	X	X	X	X	X

- **E** — PACKING WITHOUT BAG
- **16** — NUMBER OF WIRES:
  1-2 WIRES
  2-2 WIRES+GROUND
- **X** — CABLE TYPE:
  SEE CABLE INFORMATION
- **X** — CABLE CROSS SECTION AREA:
  SEE CABLE INFORMATION
- **X** — HEAD COLOUR:
  * G-GREY
  * N-BLACK
  * A-UL BLACK (ONLY WITH UL LISTED CABLE)
- **XXX** — CABLE LENGTH IN CM:
  * 050-50 CM
  * 300-300 CM
  * 10K-1000 CM
- **X** — EARTH PIN LOCATION
  (SEE INSERT ORIENTATION TABLE):
  2- EARTH ON H12
  6- EARTH ON H6
- **X** — GASKET SCREWS:
  1-NBR PROFILE GASKET+FIXING SCREWS (M3x25 mm)
  2-NBR FLAT GASKET+SCREW (M3x25 mm)
  3-SILICONE PROFILE GASKET+SCREWS (M3x25 mm)
  4-SILICONE FLAT GASKET+SCREW (M3x25 mm)
  P-INTIGRATED GASKET+FIXING SCREW+GROMMET (M3x27 mm)
  R-INTIGRATED GASKET+SCREW+GROMMET (M3x27 mm)
  T-PROFILE GASKET+SCREW+GROMMET (M3x27 mm)

PART LIST

MOLEX P/N	ENGINEERING No.	LENGTH (MM)
1210400254	E162I2N20061	2000
*1210400255	E162I2N50021	5000
1210400269	E162I4N50061	5000
*1210400273	E162N2N20021	2000
*1210400286	E162N3N05021	500
1210400288	E162N3N05061	500
*1210400295	E162N3N10021	1000
*1210400296	E162N3N10022	1000
1210400297	E162N3N10061	1000
*1210400299	E162N3N10K21	10000
*1210400301	E162N3N15021	1500

MOLEX P/N	ENGINEERING No.	LENGTH (MM)
*1210400305	E162N3N20021	2000
1210400307	E162N3N20061	2000
1210400310	E162N3N25061	2500
*1210400311	E162N3N30021	3000
1210400313	E162N3N30061	3000
*1210400320	E162N3N50021	5000
1210400625	E161N2N10021	1000
*1210400657	E162P3N20021	2000
1210400820	E162N3N1006P	1000
1210400821	E162N3N3006P	3000
1210400822	E162N3N5006P	5000

CABLE INFORMATION

CABLE TYPE	CABLE C/S	CABLE JACKET	TEMPERATURE RANGE (STATIC)	BENDING RADIUS	
				STATIC	DYNAMIC
A2	20AWG	PVC UL 2661	-15° TO +105°	>10X OD	>15X OD
A3	18 AWG	PVC UL 2661	-15° TO +105°	>10X OD	>15X OD
B2	20AWG	PUR UL 20668	-40° TO +90°	>5X OD	>10X OD
B3	18 AWG	PUR UL 20668	-40° TO 90°	>5X OD	>10X OD
I2	0.5 mm^2	PVC CEI 2022 II	-25° TO +70°	>10X OD	>15X OD
I4	1 mm^2	PVC CEI 2022 II	-25° TO +70°	>10X OD	>15X OD
N2	0.5 mm^2	PVC H03	-20° TO +70°	>3X OD	NA
N3	0.75 mm^2	PVC H05	-20° TO +70°	>9X OD	NA
N4	1 mm^2	PVC H05	-20° TO +70°	>9X OD	NA
P2	0.5 mm^2	PUR-BLEND	-40° TO +90°	>7.5X OD	>12.5X OD
P3	0.75 mm^2	PUR-BLEND	-40° TO +90°	>7.5X OD	>12.5X OD
R3	0.75 mm^2	TPR	-40° TO +130°	-	
R4	1 mm^2	TPR	-40° TO +130°	-	
W3	0.75 mm^2	PE	-40°C TO 90°C	>5X OD	

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DIMENSION UNITS	SCALE
mm	1:1

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EC NO: 826032
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INITIAL REVISION:
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MPM E16XXXXXXXXX

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1210400254	PSD	000	A2

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A3-SIZE	121040	SEE PART LIST	GENERAL MARKET	2 OF 3

DOCUMENT STATUS	P1	RELEASE DATE	2025/06/30 17:14:26

FORMAT: master-tb-prod-A3
REVISION: J1
DATE: 2021/05/01

PART LIST

MOLEX P/N	ENGINEERING No.	LENGTH (MM)
1210400823	E162P3N1006P	1000
1210400824	E162P3N3006P	3000
1210400825	E162P3N5006P	5000
1210400891	E162I2N50061	5000
*1210400920	E162A2A1002R	1000
*1210400934	E162I4N50021	5000
*1210400936	E162P3N5002P	5000
1210400963	E162I4N50062	5000
1210400964	E162I4N10K62	10000
1210400985	E161I2N15021	1500
1210401003	E161N2N1002P	1000

MOLEX P/N	ENGINEERING No.	LENGTH (MM)
*1210401015	E162P3N30021	3000
1210401150	E162N2N0506R	500
1210401203	E162P3N1506P	1500
*1210401314	E162A2A10021	1000
1210401315	E162A2A30061	3000
1210401317	E162A2A50061	5000
*1210401356	E162R4N3002P	3000

MOLEX P/N	ENGINEERING No.	LENGTH (MM)
1210401395	E162N2N20061	2000
1210401480	E162B3A3002P	3000
1210401512	E161N2N3002P	3000

NOTES:
1. *-INDICATES SPACER USED IN THE ASSEMBLY.
2. $-INDICATES CABLE-TIE USED IN THE ASSEMBLY.
3. LABEL-USED IN P/N 1210401315, & 1210401317.

TECHNICAL DATA:

ELECTRICAL:
CURRENT MAX. : 5.0A
VOLTAGE: 250V
CONTACT RESISTANCE: ≤15 mOhm MAX.

ENVIRONMENTAL:
OPERATING TEMPERATURE:
NITRILE RUBBER (NBR) GASKET: -40°C TO +90°C
SILICONE GASKET: -40°C TO +125°C
PROTECTION: IP65

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molex

MPM E16XXXXXXXXX

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1210400254	PSD	000	A2

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A3-SIZE	121040	SEE PART LIST	GENERAL MARKET	3 OF 3

DOCUMENT STATUS	P1	RELEASE DATE	2025/06/30 17:14:26

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