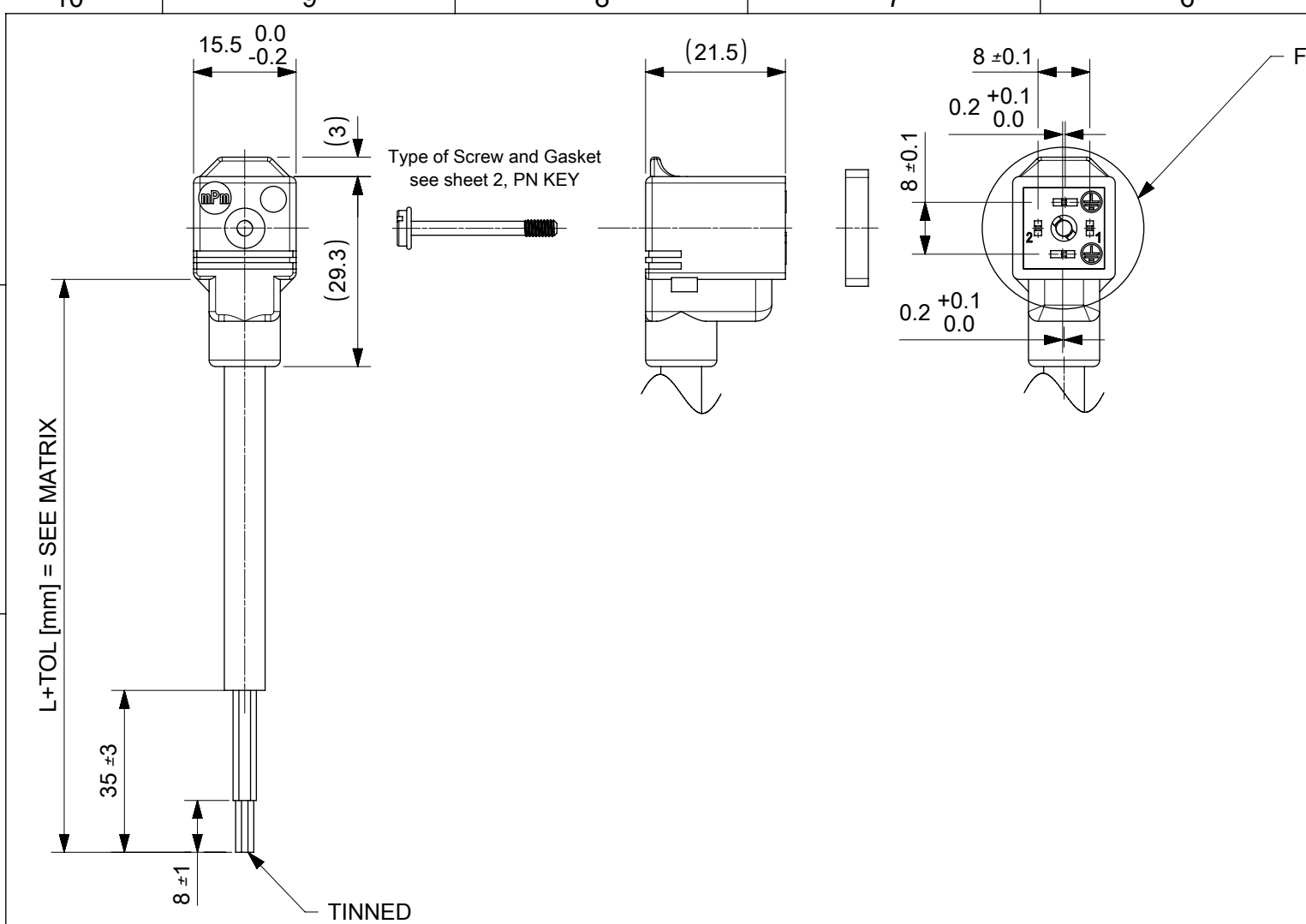




TECHNICAL DATA :

MAX. CURRENT PER CONTACT : 3A
MAX. VOLTAGE : 250V AC, 300V DC
CONTACT RESISTANCE : ≤ 15 mohm
PROTECTION GRADE : IP65 EN 60529
IP67 AVAILABLE UPON REQUEST
CERTIFICATION : UL LISTED FILE
E218126 AVAILABLE UPON REQUEST

Type of Screw and Gaskets

Flat Gasket	Profiled Gasket	Screw M2.5x22.5
		Screw M2.5x23
DOCUMENT STATUS	P1	RELEASE DATE
		2025/06/30
		13:30:59

Face View - See Insert Orientation

INSERT ORIENTATION		
Housing 2 Poles + 2 (or 1) Earths	Housing 2 Poles + 2 (or 1) Earths	Housing 3 Poles + 1 Earth
EARTH POS. H6/H12 E431XXXXXX1X	EARTH POS. H6/H12 E432XXXXXX1X	EARTH POS H12 E433XXXXXX2X
EARTH POS. H3/H9 E431XXXXXX4X	EARTH POS. H3/H9 E432XXXXXX4X	EARTH POS. H6 E433XXXXXX6X
EARTH POS. H12 E431XXXXXX2X	EARTH POS. H12 E432XXXXXX2X	
EARTH POS. H6 E431XXXXXX6X	EARTH POS. H6 E432XXXXXX6X	

WIRING CONFIGURATION		
Housing 2 Poles + 2 (or 1) Earths E431XXXXXXXX - 2 WIRES	Housing 2 Poles + 2 (or 1) Earths E432XXXXXXXX - 3 WIRES	Housing 3 Poles + 1 Earth E433XXXXXXXX - 4 WIRES
Brown (or Black 1) < 1	Brown (or Black 1) < 1	Brown < 1
Blue (or Black 2) < 2	Blue (or Black 2) < 2	Blue < 2
	Green/Yellow (or Black 3) < 3	Black < 3
		Green/Yellow < 3

TABLE OF LENGHT TOLERANCES		
OVER	UP TO AND INCLUDING	TOLERANCE
0	1000	±20
1000	3000	±30
3000	5000	±40
5000	10000	±50
10000	15000	±100
15000	20000	±150
20000		±L/100

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
DIMENSION UNITS	SCALE
mm	1:1
GENERAL TOLERANCES (UNLESS SPECIFIED)	
ANGULAR TOL	± °
4 PLACES	±
3 PLACES	±
2 PLACES	±
1 PLACE	±
0 PLACES	±
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	
THIRD ANGLE PROJECTION	
DRAWING	SERIES
A3-SIZE	121040

CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#515183	
EC NO: 826028	2025/05/05
DRWN: SANATK1	2025/06/30
CHK'D: GGA	2025/06/30
APPR: GGA	2025/06/30
INITIAL REVISION:	
DRWN: JMARSZALEK	2012/12/04
APPR: MIWASIECZKO	2013/01/16

DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
SD-121040-005		PSD	001	C2
MATERIAL NUMBER		SHEET NUMBER		
SEE SHEET 2		1 OF 2		

molex	
E43XXXXXXX DIN FORM C EN 175301-803	
PRODUCT CUSTOMER DRAWING	

ENGINEERING PART No. KEY MATRIX

E43XXXXXX

E - Packing without bag
W - Single Packing
Q - Quick Packing

Number of wires:
1- 2 Wires
2- 3 Wires
3- 4 Wires
5- SMC COMPATIBLE 2 WIRES
6- SMC COMPATIBLE 3 WIRES
7- SMC COMPATIBLE 4 WIRES

Cable type:
See Table

Head Colour:
G - Grey
N - Black
T - Transparent
A - CSA-UL Black
B - CSA-UL Grey

Cable Length in[cm]
050 = 50cm
300 = 300cm
10K = 1000cm

Earth PIN location (see insert orientation table):
1 = Double Earth on H6 & H12
2 = Earth on H12
3 = Earth on H3
4 = Double Earth on H3 & H9
6 = Earth on H6
9 = Earth on H9

Type of Gasket and Screw (see sheet 1) :
1 = NBR Profile Gasket + Fixing Screw M2.5x22.5mm
2 = NBR Flat Gasket + Fixing Screw M2.5x22.5mm
3 = Silicone Profile Gasket + Fixing Screw M2.5x22.5mm
4 = Silicone Flat Gasket + Fixing Screw M2.5x22.5mm
T = NBR Profile Gasket + Fixing Screw with Washer M2.5x23mm

PART LIST

MOLEX P/N	ENGINEERING P/N	Length(mm)
1210400491	E432N2N10011	1000
1210400492	E432N2N10012	1000
1210400497	E432N2N20012	2000
1210400498	E432N2N30011	3000
1210400500	E432N2N50011	5000
1210400501	E432N2N50012	5000
1210400940	E431N2N15011	1500
1210400952	E432A2A20011	2000

MOLEX P/N	ENGINEERING P/N	Length(mm)
1210401274	E432P2N04011	400
1210401325	E432A2A50011	5000
2210400006	E432W2A30011	3000

CABLE TYPE TABLE

CABLE TYPE	MOLEX PN	NO. OF WIRES	CROSS SECTION	CABLE O.D.	CABLE JACKET	KOLORY PRZEWODÓW WIRES COLOR	SHIELD
N2	1210180022	2	0.5mm²	5.25mm±0.65	PVC BLACK	BN, BU	-
A2	1210180128	3	AWG 20	5.6mm±0.2	PVC BLACK	BN, BU, GN/YE	-
B2	1210180126	3	AWG 20	5.6mm±0.2	PUR BLACK	BN, BU, GN/YE	-
I2	1210180284	3	0.5mm²	5.5mm+0.3	PVC GREY	BN, BU, GN/YE	-
N2	1202092753	3	0.5mm²	5.6mm±0.7	PVC BLACK	BN, BU, GN/YE	-
N3	1210180069	3	0.75mm²	6.8mm±0.8	PVC BLACK	BN, BU, GN/YE	-
P2	1202092439	3	0.5mm²	5.5mm+0.3	PUR BLACK	BN, BU, GN/YE	-
A2	1210180394	4	AWG 20	6.2mm±0.25	PVC BLACK	BN, BU, BK, GN/YE	-
B2	1210180387	4	AWG 20	6.3mm±0.2	PUR BLACK	BN, BU, BK, GN/YE	-
N2	1210180153	4	0.5mm²	6.05mm±0.2	PVC BLACK	BN, BU, BK, GN/YE	-
P2	1210180302	4	0.5mm²	6.5mm±0.2	PUR BLACK	BN, BU, BK, GN/YE	-
W2	1552200108	3	AWG 21	5.6mm	PVC GREY	BN, BU, GN/YE	-