

NOTE : IN CASE OF E662XXXXXX6XXX, Ground is not connected, GN/YE wire is cutted off.

**BILL OF MATERIALS**

ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH
12	0/2	WASHER	-	-
11	0/2	SCREW M3x27	STEEL	ZINC
10	0/2	INTEGRATED GASKET	NBR	-
9	0/2	FLAT GASKET	NBR/SILICONE	-
8	0/2	PROFILE GASKET	NBR/SILICONE	-
7	0/2	SCREW M3x25	STEEL	ZINC
6	2	LABEL WHITE	ABS	-
5	0/2	PCB	-	-
4	2	INSERT DIN	PA66+25%G V0	-
3	6	CONTACT DIN	BRASS	SILVER
2	-	MOULDING MATERIAL	PP	-
1	-	CABLE	PUR	BLACK

**NOTES :**

- ELECTRICAL - CURRENT : MAX. 5.0A
- CONTACT RESISTANCE : ≤15 milliohms MAX.
- INSULATION RESISTANCE : 100 Megaohms MIN.
- PHYSICAL - OPERATING TEMPERATURE WITH : NITRILE RUBBER (NBR) GASKET : -40°C TO +90°C
- LIVE CONTACT DISTANCE : FORM B - 11.00mm
- ENVIRONMENTAL - IP65 SEALING PROTECTION(FIXING SCREW)

FUNCTIONAL SYMBOLS			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
▽A = 0	mm	SCALE 1:1	CURRENT REV DESC: TOL. TABLE UPDATED		
▽E = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 642619		
▽F = 0	ANGULAR TOL ± 1.0°		DRWN: SSM 2020/07/29		
DIVISIONAL SYMBOLS		4 PLACES ±	CHK'D: RSILLER 2020/09/04		
		3 PLACES ±	APPR: RSILLER 2020/09/04		
		2 PLACES ± 0.05	INITIAL REVISION:		
		1 PLACE ± 0.3	DRWN: SSM 2020/07/29		
		0 PLACES ± 0.5	APPR: RSILLER 2020/09/04		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING A3-SIZE	SERIES 121055	MATERIAL NUMBER SEE SHEET 2
			CUSTOMER GENERAL MARKET	DOCUMENT NUMBER 1210550270	DOC TYPE PSD
				DOC PART 000	REVISION A
				SHEET NUMBER 1 OF 2	

# ENGINEERING No. MATRIX

**E 6 6 X X X X X X X 2 X X X X**

E66 - Form Industrial  
(11mm Contact Spacing)

Number of Wires  
2 - 2 Poles  
3 - 2 Poles + Ground

Cable type:  
See Table

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

Cable Length in Meters (L):  
A=1  
B=1.5  
C=2  
D=2.5  
E=3  
F=3.5  
G=4  
H=4.5  
L=5  
M=5.5  
N=6  
P=6.5  
Q=7  
R=7.5  
S=8  
T=8.5  
U=9  
K=10

Cable Length in cm Between 2 connectors (L1)  
15=15 cm  
30=30 cm  
1K=100 cm  
min length=13 cm

Earth PIN Location:  
2=12/1 earth on 12H

Internal Circuit  
see Wiring Configuration

### Voltage and LED color

1= 12V  
2= 24V  
3= 48V  
4= 115V  
5= 230V  
**RED LED**

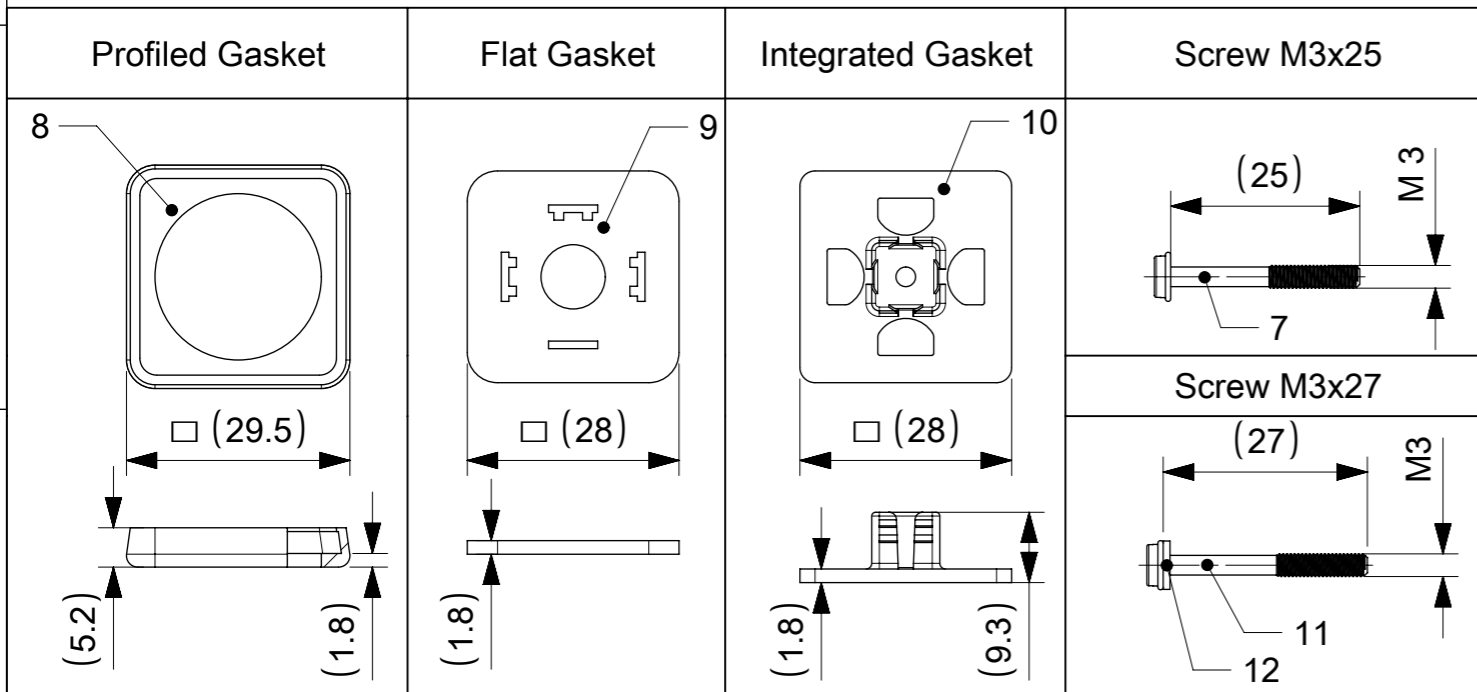
A= 12V  
B= 24V  
C= 48V  
D= 115V  
E= 230V  
**GREEN LED**

G= 12V  
H= 24V  
K= 48V  
L= 115V  
M= 230V  
**YELLOW LED**

### Type of Gasket and Screw:

- 1 = NBR Profile Gasket + Fixing Screw M3x25mm
- 2 = NBR Flat Gasket + Fixing Screw M3x25mm
- 3 = Silicone Profile Gasket + Fixing Screw M3x25mm
- 4 = Silicone Flat Gasket + Fixing Screw M3x25mm
- P = NBR Integrated Gasket + Fixing Screw with Washer M3x27mm Assembled on Connector
- R = NBR Integrated Gasket + Fixing Screw with Washer M3x27mm NOT Assembled on Connector
- T = NBR Profile Gasket + Fixing Screw with Washer M3x27mm

## Type of Screws and Gaskets



### PART LIST

SL No.	MOLEX P/N	ENG No.
1	1210550262	E663P3NE2021S0B
2	1210550263	E663P3NC2021S0B
3	1210550270	E663P2NE202PC4H

Over	Up to and Including	Tolerance
0	500	-10/+20
500	1000	±20
1000	3000	±30
3000	5000	±40
5000	10000	±50
10000	15000	±100
15000	20000	±150
20000		±L/100

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FUNCTIONAL SYMBOLS:  $\sqrt{A} = 0$ ,  $\sqrt{E} = 0$ ,  $\sqrt{F} = 0$

DIMENSION UNITS: mm | SCALE: 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

THIRD ANGLE PROJECTION:

DRAWING: A3-SIZE | SERIES: 121055 | MATERIAL NUMBER: SEE PART LIST | CUSTOMER: GENERAL MARKET | SHEET NUMBER: 2 OF 2

EC NO: 642619 | DRWN: SSM | 2020/07/29 | CHK'D: RSILLER | 2020/09/04 | APPR: RSILLER | 2020/09/04

INITIAL REVISION: DRWN: SSM | 2020/07/29 | APPR: RSILLER | 2020/09/04

DOCUMENT NUMBER: 1210550270 | DOC TYPE: PSD | DOC PART: 000 | REVISION: A

**molex**

STANDARD E66 DIN FORM B H12

PRODUCT CUSTOMER DRAWING