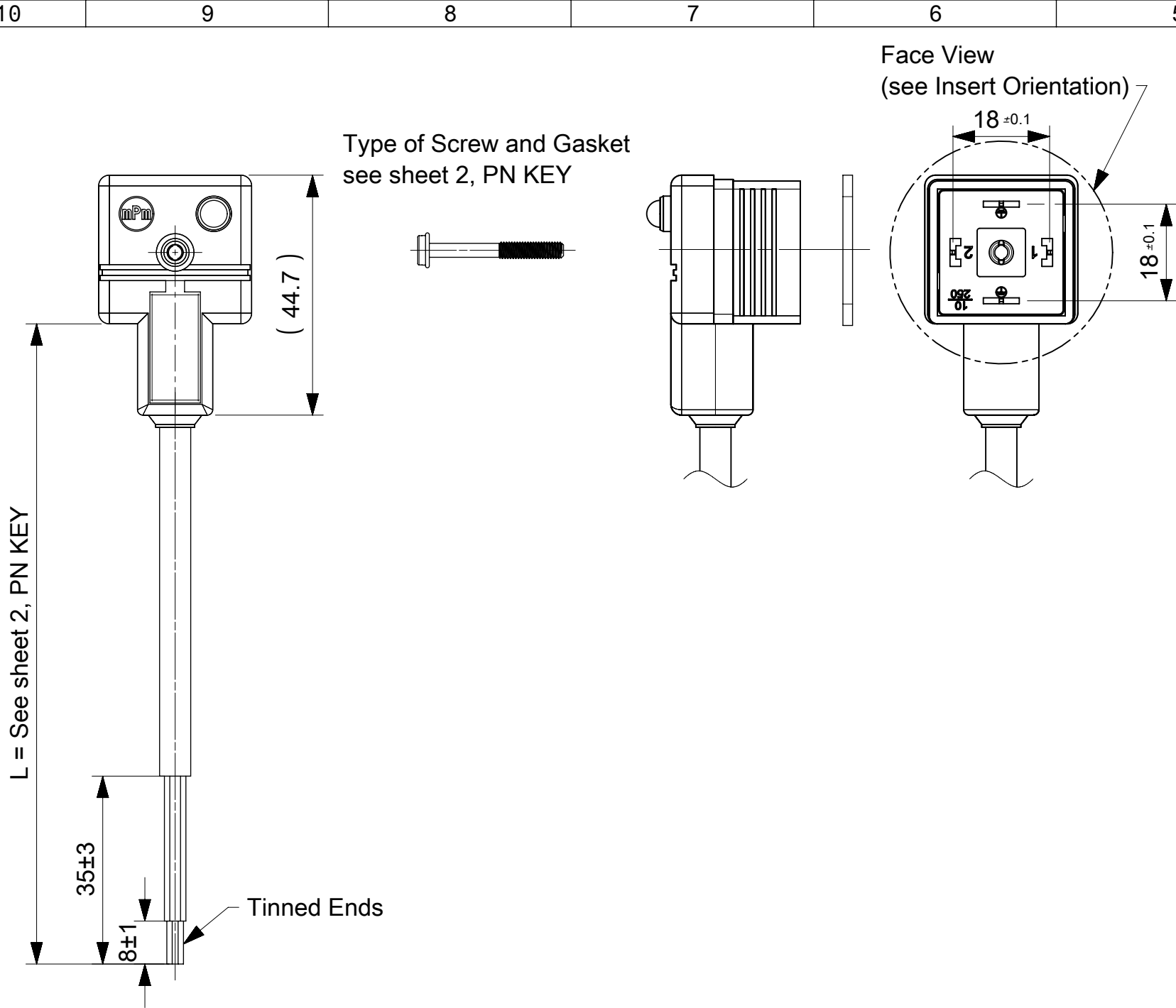




INSERT ORIENTATION	
Housing 2 Poles + 2 Earths	Housing 3 Poles + 1 Earth
Earth H6/H12 - Not Used E451XXXXXX1XXXX	Earth H12 -Not Used E451XXXXXX2XXXX PIN 3 Not Used
Earth H3/H9 - Not Used E451XXXXXX4XXXX	Earth H3 - Not Used E451XXXXXX3XXXX PIN 3 Not Used
Earth H6/H12 - Not Used E451XXXXXX1XC3X E451XXXXXX1XC7X E451XXXXXX1XR0X E451XXXXXX1XR2X Insert 180°	Earth H6 - Not Used E451XXXXXX6XXXX PIN 3 Not Used
	Earth H9 - Not Used E451XXXXXX9XXXX PIN 3 Not Used

Type of Screws and Gaskets

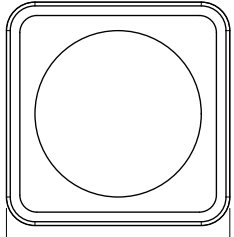
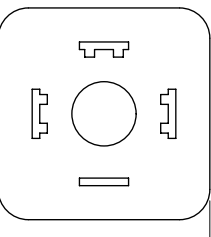
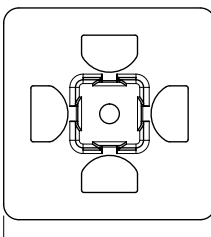
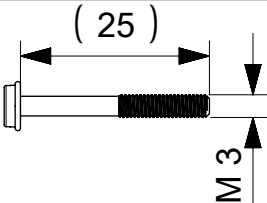
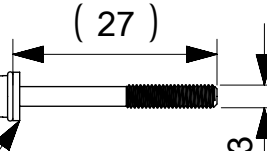
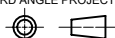
Profiled Gasket	Flat Gasket	Integrated Gasket	Screw M3x25
 (□ 29.5) (5.2) (1.8)	 (□ 28) (1.8)	 (□ 28) (1.8) (9.3)	 (25) M 3
			Screw M3x27 + Washer
			 (27) M 3 NBR Washer

TABLE OF LENGTH TOLERANCES [mm]		
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

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC:		molex			
	DIMENSION UNITS	SCALE			STANDARD E451 DIN FORM A EN 175301-803			
▽ = 0	mm	1:1						
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)							
▽ = 0	ANGULAR TOL	± 1.0 °						
▽ = 0	4 PLACES	±						
▽ = 0	3 PLACES	±						
▽ = 0	2 PLACES	± 0.05						
▽ = 0	1 PLACE	± 0.3						
▽ = 0	0 PLACES	± 0.5						
▽ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							
▽ = 0			THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
▽ = 0				A3-SIZE	121050	SEE 1210504000_PDP	GENERAL MARKET	1 OF 3

KLUCZ / PN KEY ENGINEERING PN

E

4

5

1

X

X

X

X

X

X

X

X

X

X

E - Packing without bag
W - Single Packing

Number of wires:
1 - 2 Wires

Cable type:
See Table

Head Colour:
G - Grey
N - Black
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

Wiring Configuration:
See sheet 3

Voltage and LED Colour

Red LED

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

Green LED

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

Yellow Led

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

Type of Gasket and Screw (see sheet 1):
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

CABLE LIST

CABLE TYPE	NO. OF WIRES	CROSS SECTION	CABLE O.D.	CABLE JACKET	KOLORY PRZEWODÓW WIRES COLOR	SHIELD
A2	2	AWG 20	5.4mm±0.2	PVC BLACK	BN, BU	-
A3	2	AWG 18	6.2mm±0.25	PVC BLACK	BN, BU	-
B2	2	AWG 20	5.6mm±0.2	PUR BLACK	BN, BU	-
B3	2	AWG 18	6.2mm±0.2	PUR BLACK	BN, BU	-
I2	2	0.5mm²	5.5mm+0.3	PVC GREY	BN, BU	-
I3	2	0.75mm²	5.5mm±0.2	PVC GREY	BK1,BK2	-
I4	2	1mm²	7.1mm±0.2	PVC GREY	BN, BU	-
N2	2	0.5mm²	5.25mm±0.65	PVC BLACK	BN, BU	-
N3	2	0.75mm²	6.45mm±0.75	PVC BLACK	BN, BU	-
N4	2	1mm²	6.45mm±0.75	PVC BLACK	BN, BU	-
P2	2	0.5mm²	5.5mm+0.2	PUR BLACK	BN, BU	-
P3	2	0.75mm²	6.5mm±0.2	PUR BLACK	BN, BU	-
W2	2	0.5mm²	~5.2mm	WSOR BLACK	BN, BU	-
W3	2	0.75mm²	~6.0mm	WSOR BLACK	BN, BU	-

Notes:
1. Please see excel sheet 1210504000_PDP for currently configured part numbers.
2. Drawing is a replacement for: SD-121050-004

DOCUMENT STATUS	P1	RELEASE DATE	2024/07/04	12:12:01
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SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
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	 = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)			
	 = 0				
	 = 0				
	 = 0	4 PLACES	±		
	 = 0	3 PLACES	±		
 = 0	2 PLACES	± 0.05			
 = 0	1 PLACE	± 0.3			
 = 0	0 PLACES	± 0.5			
= 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				
= 0	THIRD ANGLE PROJECTION				
DRAWING		SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
A3-SIZE		121050	SEE 1210504000_PDP	GENERAL MARKET	2 OF 3

CURRENT REV DESC:

EC NO: 791448

DRWN: MARCIM6

CHK'D: RSILLER

APPR: RSILLER

2024/06/28

2024/07/04

2024/07/04

molex

STANDARD E451 DIN FORM A
EN 175301-803

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

1210504000

DOC TYPE

PSD

DOC PART

000

REVISION

A1

10

9

8

7

6

5

4

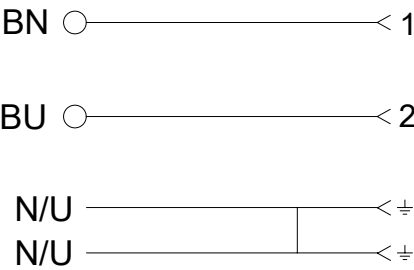
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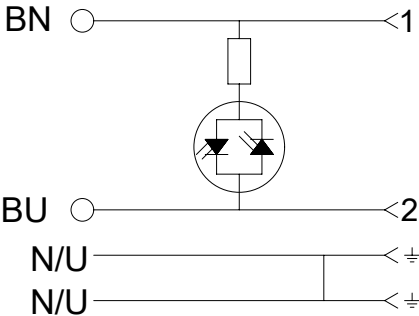
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WIRING DIAGRAMS

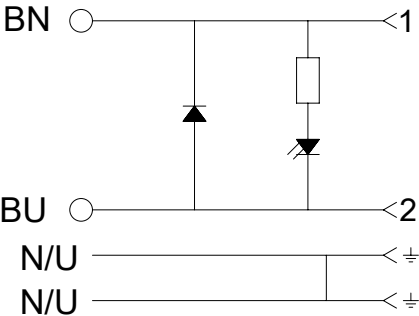
ELECTRICAL DIAGRAM 00
WITHOUT LED



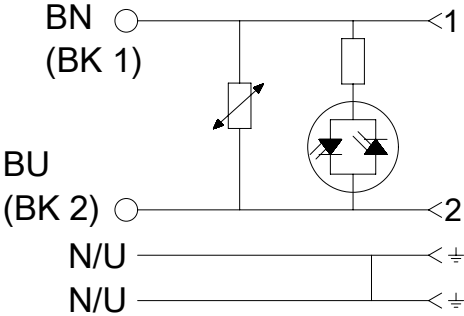
ELECTRICAL DIAGRAM A1



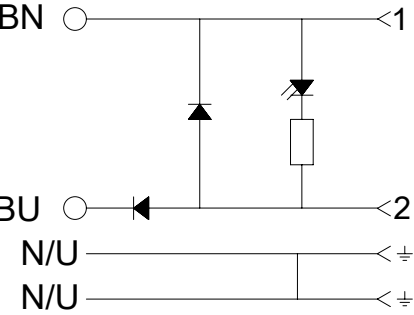
ELECTRICAL DIAGRAM C3



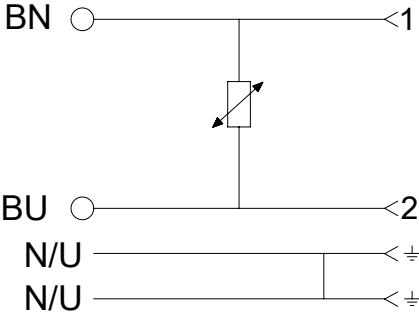
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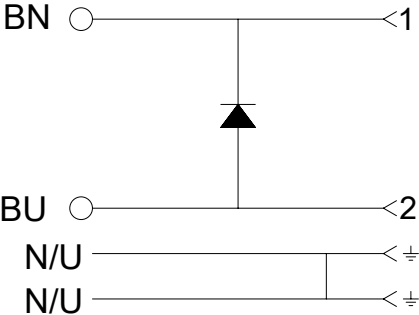
ELECTRICAL DIAGRAM C7



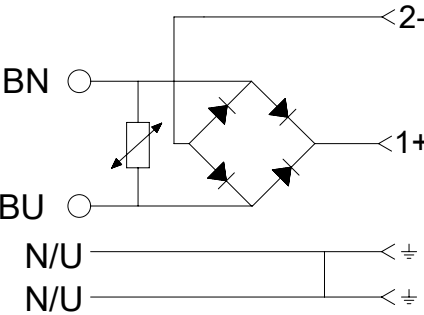
ELECTRICAL DIAGRAM D0



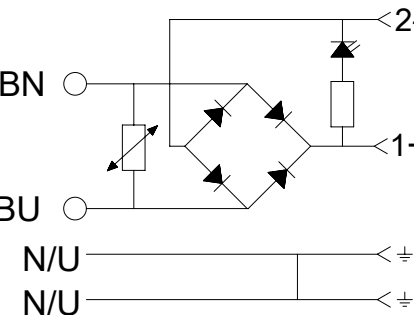
ELECTRICAL DIAGRAM E0



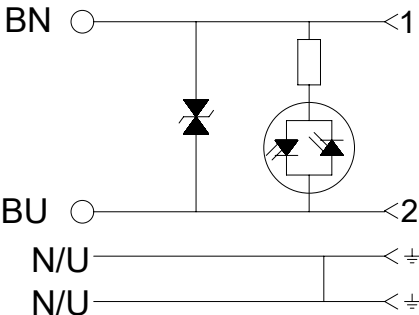
ELECTRICAL DIAGRAM R0



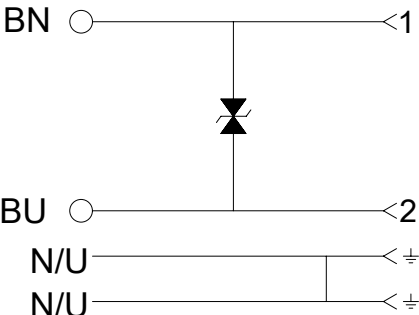
ELECTRICAL DIAGRAM R2



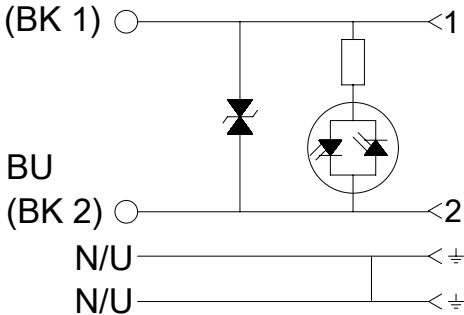
ELECTRICAL DIAGRAM S0



ELECTRICAL DIAGRAM S1



ELECTRICAL DIAGRAM S3



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= 0	4 PLACES	±
= 0	3 PLACES	±
= 0	2 PLACES	± 0.05
= 0	1 PLACE	± 0.3
= 0	0 PLACES	± 0.5
= 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	
= 0	THIRD ANGLE PROJECTION	
CURRENT REV DESC:		
EC NO: 791448		
DRWN: MARCIM6		2024/06/28
CHK'D: RSILLER		2024/07/04
APPR: RSILLER		2024/07/04
INITIAL REVISION:		
DRWN: SSM		2019/06/04
APPR: RSILLER		2019/06/28
DOCUMENT NUMBER		1210504000
DOC TYPE		PSD
DOC PART		000
REVISION		A1
MATERIAL NUMBER		SEE 1210504000_PDP
CUSTOMER		GENERAL MARKET
SHEET NUMBER		3 OF 3