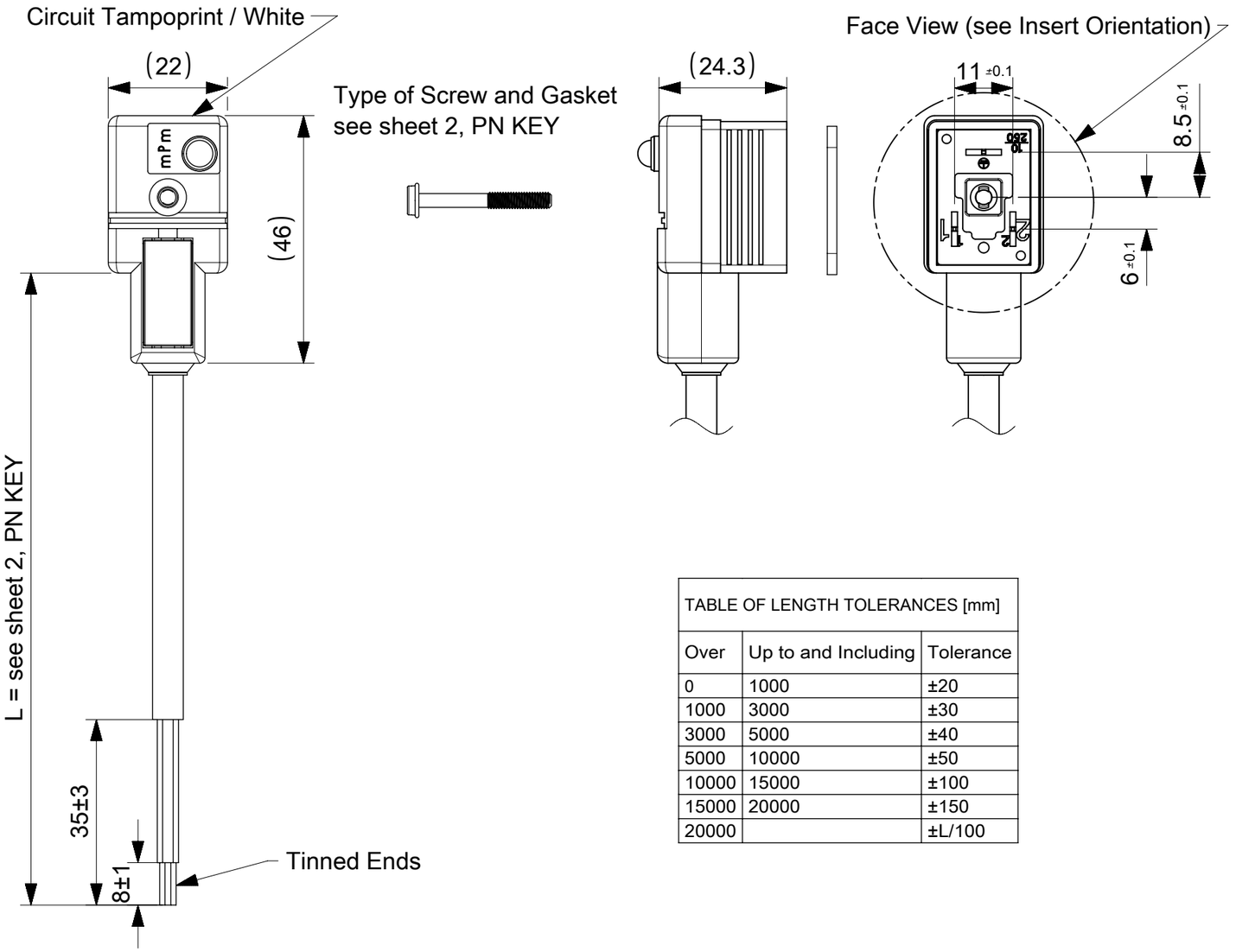
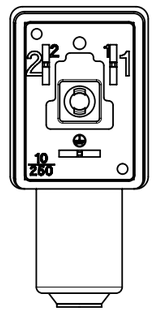
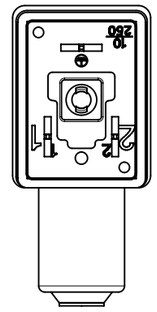
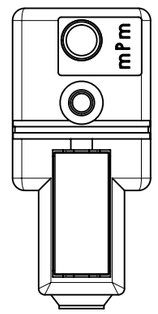
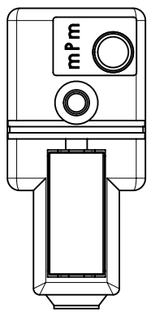
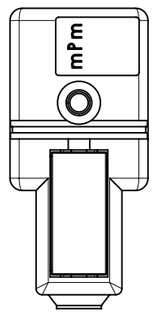


TABLE OF LENGTH TOLERANCES [mm]		
Over	Up to and Including	Tolerance
0	1000	±20
1000	3000	±30
3000	5000	±40
5000	10000	±50
10000	15000	±100
15000	20000	±150
20000		±L/100

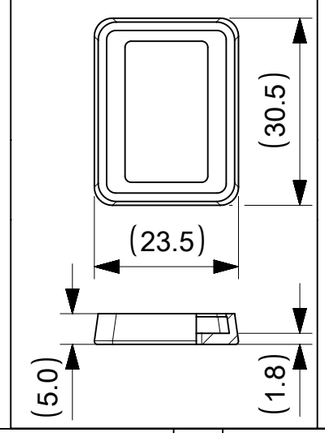
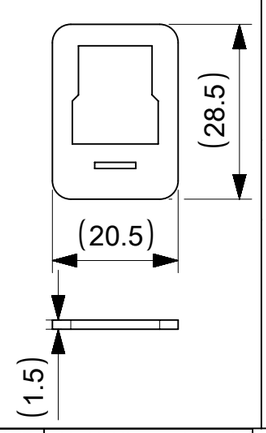
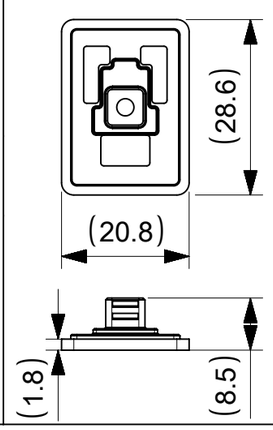
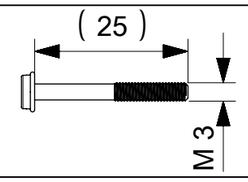
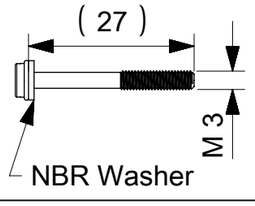
INSERT ORIENTATION

Earth H6 E462XXXXXX6XXXX	Earth H12 E462XXXXXX2XXXX
	

LED POSITION

EARTH H6	EARTH H12	NO LED
		

Type of Screws and Gaskets

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

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
F = 0	DIMENSION UNITS: mm	SCALE: 1:1	CURRENT REV DESC:	molex
E = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)			STANDARD E462 DIN FORM INDUSTRIAL
F = 0	ANGULAR TOL ± °		EC NO: 603741	PRODUCT CUSTOMER DRAWING
S = 0	4 PLACES ±		DRWN: APAWLAK01 2018/07/16	DOCUMENT NUMBER: 1210501000
▼ = 0	3 PLACES ±		CHK'D: RSILLER 2018/08/31	DOC TYPE: PSD
C = 0	2 PLACES ± 0.05		APPR: RSILLER 2018/08/31	DOC PART: 000
☒ = 0	1 PLACE ± 0.1		INITIAL REVISION:	REVISION: A
■ = 0	0 PLACES ±		DRWN: APAWLAK01 2018/07/16	
▽ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPR: RSILLER 2018/08/31	
	THIRD ANGLE PROJECTION	DRAWING: A3-SIZE	SERIES: 121050	MATERIAL NUMBER: SEE 1210501000_PDP
				CUSTOMER: GENERAL MARKET
				SHEET NUMBER: 1 OF 3

DOCUMENT STATUS	P1	RELEASE DATE	2018/08/31 12:24:52

FORMAT: master-Sheet-A3
REVISION: H
DATE: 2018/01/18

PN KEY ENGINEERING PN

E	4	6	2	X	X	X	X	X	X	X	X	X	X	X

E - Packing without bag
W - Single Packing

Number of wires:
2 - 2 Wires + Earth

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):
2 = Earth on H12
6 = Earth on H6

Wiring Configuration:
See sheet 3

Voltage and Led Colour

Red Led:	Green Led:	Yellow Led:
1 = 12V	A = 12V	G = 12V
2 = 24V	B = 24V	H = 24V
3 = 48V	C = 48V	K = 48V
4 = 115V	D = 115V	L = 115V
5 = 230V	E = 230V	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 TYPE	NO. OF WIRES	CROSS SECTION	CABLE O.D.	CABLE JACKET	UL	CSA	STATIC: TEMP. / BENDING RADIUS	DYNAMIC: TEMP. / BENDING RADIUS	SHIELD
A2	3	AWG 20	5.6mm±0.2	PVC BLACK	UL 2661	CSA C22.2	-30°C to +105°C, 10xO.D.	-5°C to +105°C, 15xO.D.	-
A3	3	AWG 18	6.5mm±0.25	PVC BLACK	UL 2661	CSA C22.2	-30°C to +105°C, 10xO.D.	-5°C to +105°C, 15xO.D.	-
B2	3	AWG 20	5.6mm±0.2	PUR BLACK	UL 20668	CSA C22.2	-40°C to +90°C, 5xO.D.	-25°C to +90°C, 10xO.D.	-
B3	3	AWG 18	6.5mm±0.2	PUR BLACK	UL 20668	CSA C22.2	-40°C to +90°C, 5xO.D.	-25°C to +90°C, 10xO.D.	-
F4	3	1mm²	7.1mm+0.2	PVC GREY	-	-	-15°C to +70°C, 10xO.D.	-5°C to +60°C, 15xO.D.	-
I0	3	1mm²	7.6mm±0.2	PVC GREY	-	-	-25°C to +70°C, 10xO.D.	-5°C to +70°C, 15xO.D.	YES
I2	3	0.5mm²	5.5mm+0.3	PVC GREY	-	-	-25°C to +70°C, 10xO.D.	-5°C to +70°C, 15xO.D.	-
I3	3	0.75mm²	6.0mm±0.2	PVC GREY	-	-	-25°C to +70°C, 10xO.D.	-5°C to +70°C, 15xO.D.	-
I4	3	1mm²	7.1mm+0.2	PVC GREY	-	-	-25°C to +70°C, 10xO.D.	-5°C to +70°C, 15xO.D.	-
N2	3	0.5mm²	5.6mm±0.7	PVC BLACK	-	-	-20°C to +70°C, 3xO.D.	-15°C to +70°C, 5xO.D.	-
N3	3	0.75mm²	6.8mm±0.8	PVC BLACK	-	-	-20°C to +70°C, 3xO.D.	-15°C to +70°C, 5xO.D.	-
N4	3	1mm²	7.15mm±0.85	PVC BLACK	-	-	-20°C to +70°C, 3xO.D.	-15°C to +70°C, 5xO.D.	-
P1	3	0.34mm²	5.3mm±0.2	PUR BLACK	-	-	-25°C to +80°C, 10xO.D.	-5°C to +80°C, 15xO.D.	
P2	3	0.5mm²	5.5mm+0.3	PUR BLACK	-	-	-40°C to +90°C, 7.5xO.D.	-15°C to +90°C, 12.5xO.D.	-
P3	3	0.75mm²	6.5mm±0.2	PUR BLACK	-	-	-40°C to +90°C, 7.5xO.D.	-15°C to +90°C, 12.5xO.D.	-

Notes:
1. Please see excel sheet 1210501000_PDP for currently configured part numbers.
2. Drawing is a replacement for: SD-121050-003

DOCUMENT STATUS	P1	RELEASE DATE	2018/08/31 12:24:52

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DIMENSION UNITS: mm | SCALE: 1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	± °
4 PLACES	±
3 PLACES	±
2 PLACES	± 0.05
1 PLACE	± 0.1
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 603741
DRWN: APAWLAK01 2018/07/16
CHK'D: RSILLER 2018/08/31
APPR: RSILLER 2018/08/31

INITIAL REVISION:
DRWN: APAWLAK01 2018/07/16
APPR: RSILLER 2018/08/31

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 121050

molex

STANDARD E462 DIN FORM INDUSTRIAL

PRODUCT CUSTOMER DRAWING

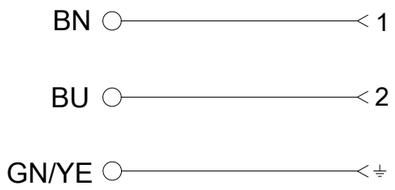
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MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE 1210501000_PDP	GENERAL MARKET	2 OF 3

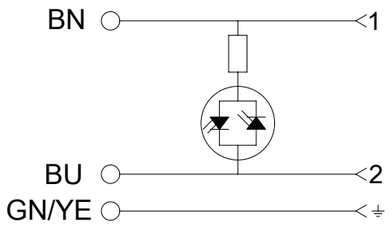
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REVISION: H
DATE: 2018/01/15

WIRING DIAGRAMS

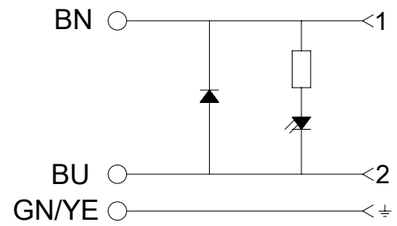
ELECTRICAL DIAGRAM 00



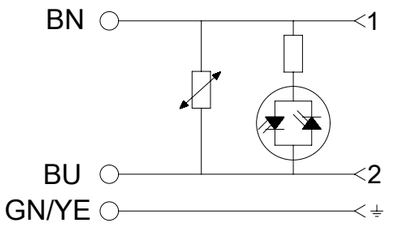
ELECTRICAL DIAGRAM A1



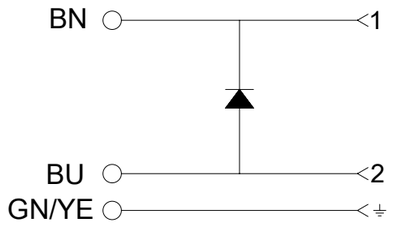
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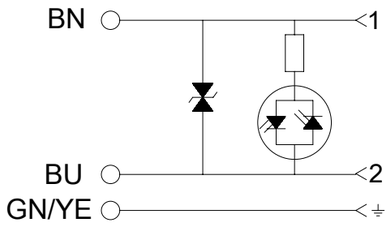
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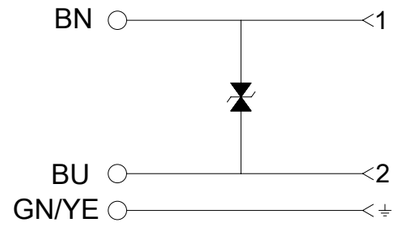
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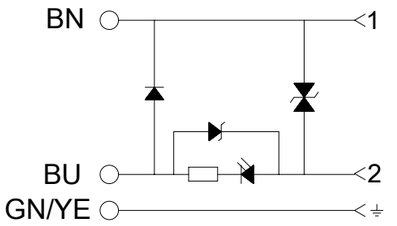
ELECTRICAL DIAGRAM S0



ELECTRICAL DIAGRAM S1



ELECTRICAL DIAGRAM NS



Technical Spec:
Supply Voltage: See PN KEY
Max. current: 5A; A1-C4-S0
1,5A; R2
Contact Resistance: ≤15milliohms max.
Operating Temperature:
with NBR Gasket: -40°C +90°C
with Silicone: -40°C +125°C

DOCUMENT STATUS	P1	RELEASE DATE	2018/08/31 12:24:52

FORMAT: master_Sheet-A3
REVISION: H
DATE: 2018/01/16

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EC = 0	
EB = 0	
S = 0	
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C = 0	
☒ = 0	
■ = 0	
▽ = 0	

DIMENSION UNITS	SCALE
mm	1:1
GENERAL TOLERANCES (UNLESS SPECIFIED)	
ANGULAR TOL ± °	
4 PLACES ±	
3 PLACES ±	
2 PLACES ± 0.05	
1 PLACE ± 0.1	
0 PLACES ±	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

CURRENT REV DESC:

EC NO: 603741
DRWN: APAWLAK01 2018/07/16
CHK'D: RSILLER 2018/08/31
APPR: RSILLER 2018/08/31

INITIAL REVISION:
DRWN: APAWLAK01 2018/07/16
APPR: RSILLER 2018/08/31

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STANDARD E462 DIN FORM INDUSTRIAL

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1210501000	PSD	000	A

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A3-SIZE	121050	SEE 1210501000_PDP	GENERAL MARKET	3 OF 3

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194290026 502585-0370 464373005 502380-0800 0464363133 528061110 502584-1060 503988100
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