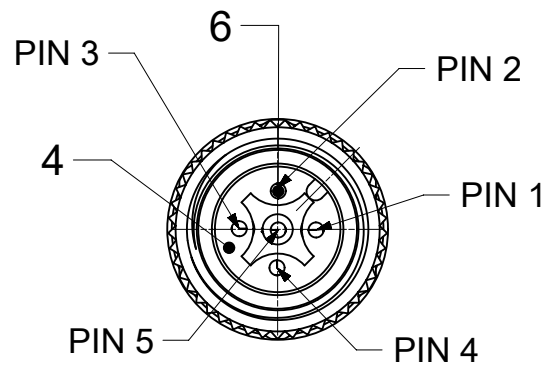
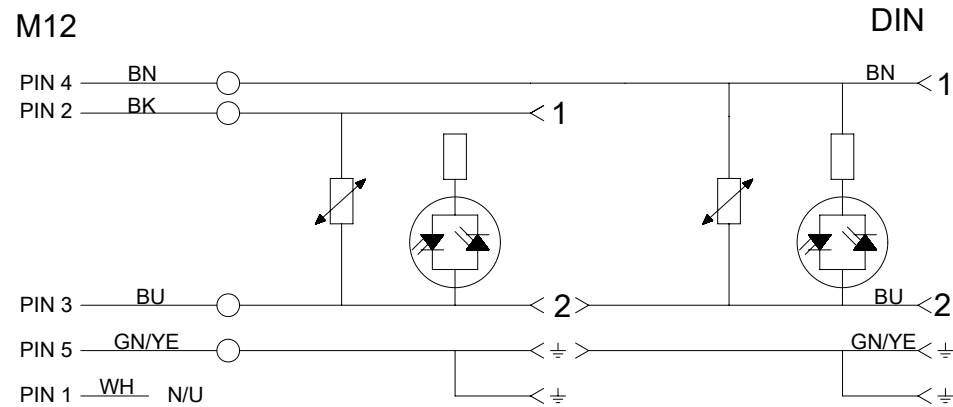


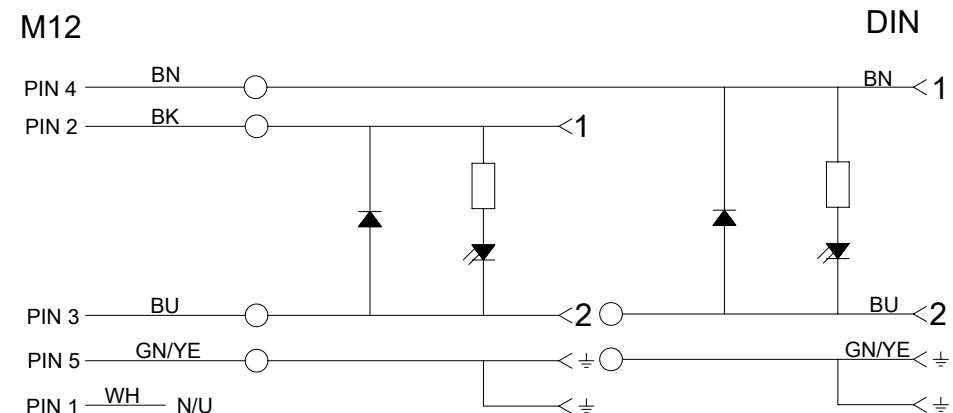


VIEW FROM FRONT SIDE
SCALE 2:1

ELECTRICAL DIAGRAM C4

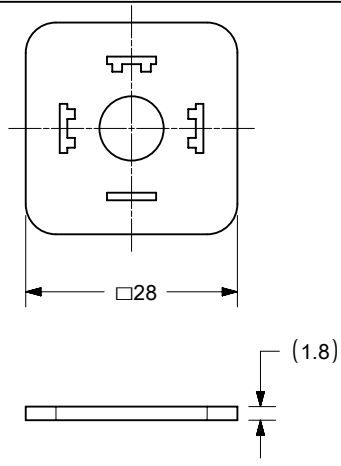
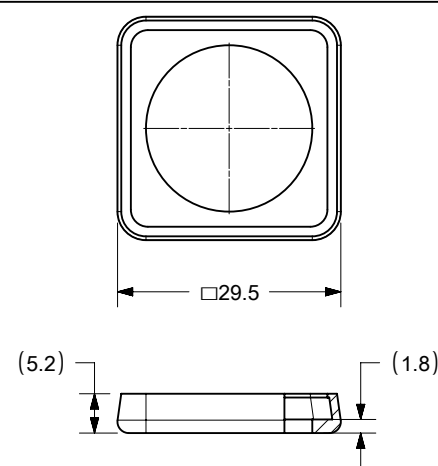


ELECTRICAL DIAGRAM C3



PROFIED GASKET

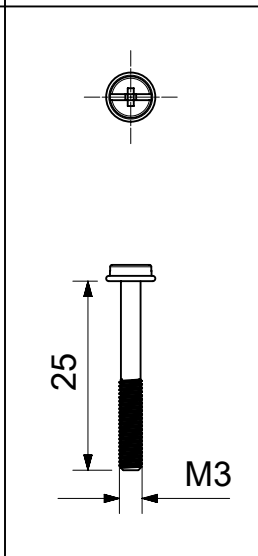
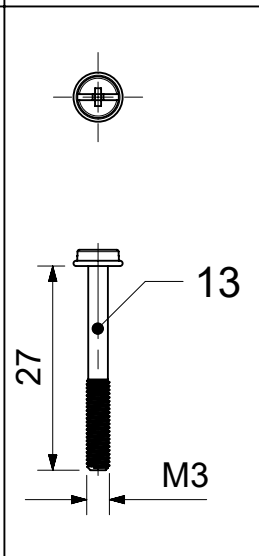
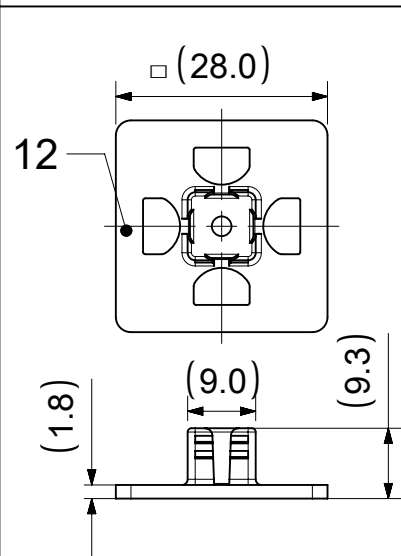
FLAT GASKET



INTEGRATED GASKET

SCREW M3x27

SCREW M3x25



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 A - 18.00mm

ENVIRONMENTAL - IP65 SEALING PROTECTION(FIXING SCREW)

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
DIMENSION UNITS		SCALE		CURRENT REV DESC: ENG NO. CORRECTED FOR P/N - 1210550158			molex		
mm		1:1							
GENERAL TOLERANCES (UNLESS SPECIFIED)				DUAL DIN E65 FORM A + M12					
ANGULAR TOL ± 1.0 °									
4 PLACES		±		EC NO: 660219			PRODUCT CUSTOMER DRAWING		
3 PLACES		±		DRWN: SSM					

ENG No. MATRIX

E65AP2NXXXXXXX

E6 - OVERMOLDED DUAL DIN CORDSET

5 - FORM A

A = M12 STRAIGHT

Cable type: P2-PUR 20AWG

Head Colour: N - Black

Cable Length in Meters (L):
A=1
B=1.5
C=2
V=13

Cable Lenght in cm Between 2 connectors (L1)
13=13 cm
20=20 cm
25=25 cm

Earth PIN Location:
1=Double Earth on 6H and 12H
2=H12

Internal Circuit see Wiring Configuration

Voltage and LED color
B= 24V Green
2= 24V Red
H= 24V Yellow

Type of Gasket and Screw:
1 = NBR Profile Gasket+Fixing Screw M3X25mm
2 = NBR Flat Gasket + Fixing Screw M3x25mm
P = NBR Integrated Gasket + Fixing Screw with Washer M3x27mm Assembled on Connector

CABLE SPECIFICATION :

CABLE ITEM No.	CROSS SECTION	JACKET	COLOR	STATIC TEMPERATURE	DYNAMIC TEMPERATURE	VOLTAGE RATING
CABLE -1	5x0.50mm ²	PUR	BLACK	-25°C TO +90°C	-5°C TO +90°C	300V
CABLE -2	3x0.50mm ²	PUR	BLACK	-30°C TO +90°C	-5°C TO +90°C	300V

BOM

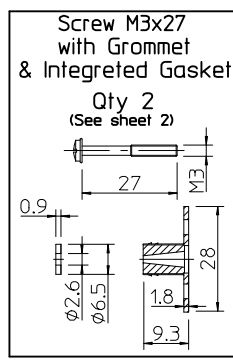
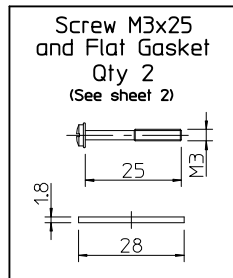
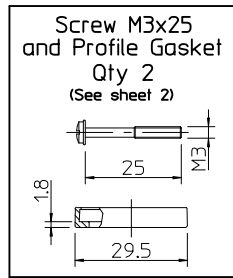
13	2	SCREW M3X27 WITH WASHER M3	-	-
12	2	GASKET	NBR	-
11	2	LABEL; PLASTIC 9X20	ABS	WHITE
10	1	PCB WITH ELECTRONIC COMPONENTS	-	SEE PART No. KEY
9	1			
8	2	MOUNTED INSERT ASSY 2P+2T	UL94-V0	BLACK
7	1	COUPLING NUT M12 MALE	BRASS	NICKEL
6	5	CONTACT 10 MALE	BRONZE	GOLD OVER NICKEL
5	1	INSERT MALE 5P	PUR	BLACK
4	-	MOULDING MATERIAL	PP	BLACK
3	-	MOULDING MATERIAL	TPU	BLACK
2	-	CABLE-2 3X0.5MM	PUR	BLACK
1	-	CABLE-1 5X0.5MM	PUR	BLACK
ITEM	QTY	DESCRIPTION	MATERIAL	FINISH/COLOR

PART LIST

MOLEX PN	ENGINEERING NO.	L[mm]	L1[mm]
1210550130	E65AP2NA2011C4H	1000	200
1210550131	E65AP2NB2011C4H	1500	200
1210550158	E65AP2NA201PC4H	1000	200
1210550170	E65AP2NA131PC32	1000	130
1210550208	E65AP2NA1311C4B	1000	130
1210550250	E65AP2NA1322C4B	1000	130
1210550264	E65AP2NA1312C4B	1000	130
1210550354	E65AP2NA131PC4B	1000	130
1210550355	E65AP2NA251PC4B	1000	250
1210550356	E65AP2NV131PC4B	13000	130
DOCUMENT STATUS	P1	RELEASE DATE	2021/04/07 12:50:29

TABLE OF LENGTH TOLERANCES		
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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DIMENSION UNITS		SCALE		CURRENT REV DESC: ENG NO. CORRECTED FOR P/N - 1210550158			mo lex		
mm		1:1							
GENERAL TOLERANCES (UNLESS SPECIFIED)									
ANGULAR TOL ± 1.0 °									
4 PLACES		±					EC NO: 660219		
3 PLACES		±		DRWN: SSM					



PART NUMBER MATRIX

E	6	5	A	X	X	X	X	X	X	1	X	X	X	X
E65-Form A (16mm contact spacing)			Number of poles: A=M12 straight	Cable type: N=PVC I=CEP P=PUR A=PVC CSA-UL B=PUR CSA-UL	Cable cross section area: 2=0.5 mm ² (20AWG) 3=0.75 mm ² (18AWG)	Cable colour: N=Black A=CSA-UL Black	L - Cable length: Q=M12 moulded on the DIN head A=100mm B=500mm C=2000mm D=2500mm E=3000mm F=3500mm G=4000mm H=5000mm I=5500mm J=6000mm K=6500mm L=7000mm M=7500mm N=8000mm O=8500mm P=9000mm Q=10000mm	L1 - Distance between the two heads in cm 15-100mm	Earth pin location: I=46/M12	Gasket-screws: I=NBR profile gasket+screw 2=NBR flat gasket+screw 3=Silicon profile gasket+screw 4=Silicon flat gasket+screw P=NBR integrated gasket+screw (IP67)	Internal circuit type: K=NBR integrated gasket+stainless steel screw (IP 67)	Supply voltage and LED colour: 1 = 5-Red LED A = 5-Green LED S = 5-Amber LED 1A=G-12V 2B=H-24V 3C=K-48V 4D=L-15V 5E=M-230V		

EXAMPLE:
E65AP2NA2011C4H

CINCLUX TAMPO PRINT

EXAMPLE:
E65AP2NA2011C4H

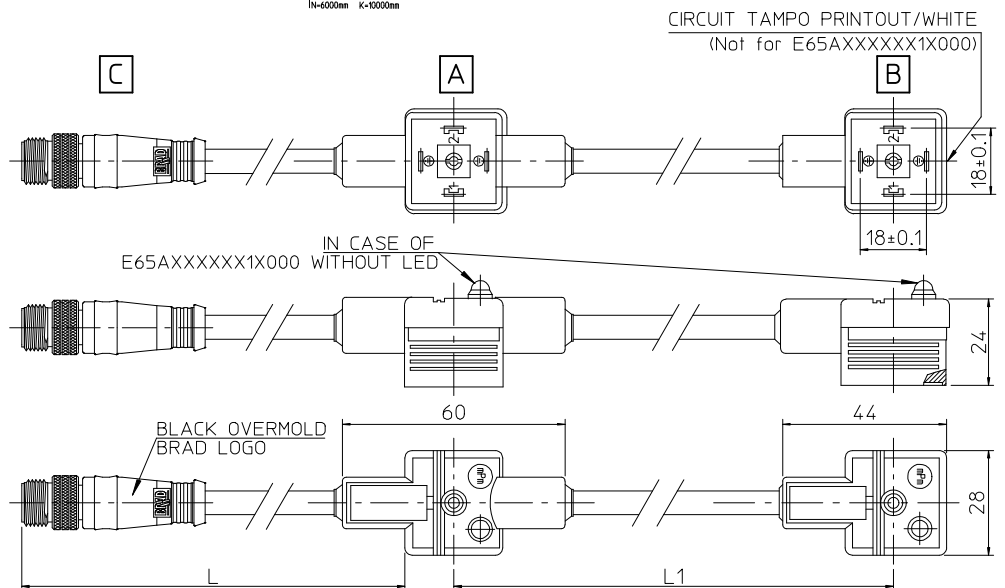


Table of length tolerances [mm]		
Over	Up to and including	Tolerance
0	1000	±20
1000	3000	±30
3000	5000	±40
5000	10000	±50
10000	15000	±100
15000	20000	±150
20000		±L/100

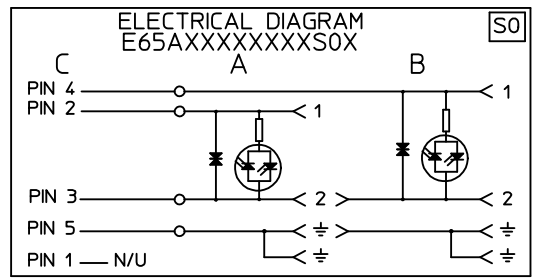
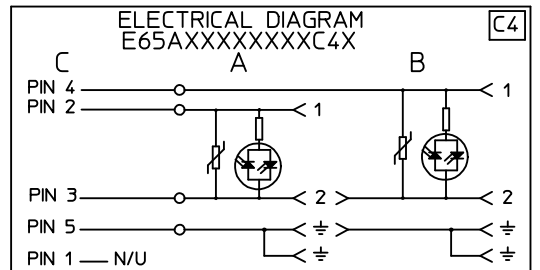
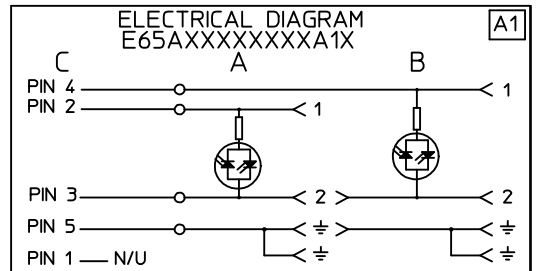
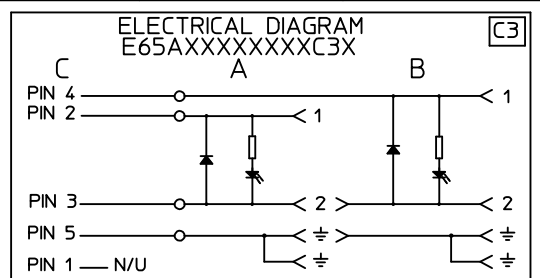
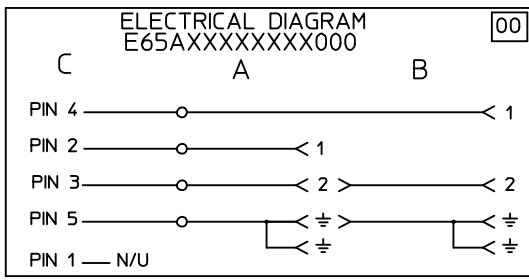


Table 1 - PNs list

Molex PN	Engineering No.	L [mm]	L1 [mm]
1210550072	E65AI2NY1411C4H	500	140
1210550130	E65AP2NA2011C4H	1000	200
1210550131	E65AP2NB2011C4H	1500	200
1210550138	E65AP2NC2011C4H	2000	200
1210550158	E65AP2NA2011PC4H	1000	200
1210550170	E65AP2NA131PC32	1000	130
1210550178	E65AP2NA3011C4L	1000	300
1210550208	E65AP2NA1311C4B	1000	130
1210550250	E65AP2NA1322C4B	1000	130
1210550260	E65AP3NB201PSOH	1500	200
1210550264	E65AP2NA1312C4B	1000	130
1210550305	E65AP2NC201KSOH	2000	200
1210550319	E65AI3NB1411C4H	1500	140
1210550320	E65AI3NE1411C4H	3000	140

ORIGINAL RELEASE
EC NO: IPG2016-0461
DRWN: JMARSALEK 2013/10/30
CHKD:
APPR: MIWASIECZKO 2015/09/28

QUALITY SYMBOLS
▽=0
◻=0

DESCRIPTION
REV

GENERAL TOLERANCES
(UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± ---	± ---
1 PLACE	± ---	± ---
0 PLACE	± ---	± ---

ANGULAR ± --- °

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY

DRAWN BY
JMARSALEK

DATE
2013/10/30

CHECKED BY
DATE

APPROVED BY
MIWASIECZKO

DATE
2015/09/28

MATERIAL NO.

SEE TABLE 1

SCALE
-

DESIGN UNITS
METRIC

THIRD ANGLE
PROJECTION

E65AP2NA2011C4H
DUAL DIN FORM A WITH M12

molex

DOCUMENT NO.
SD-121055-007

SHEET NO.
1 OF 1

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