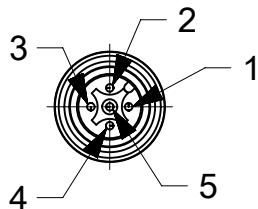


FRONT VIEW



L + Tolerance (see Table on sheet 3)

50 REF

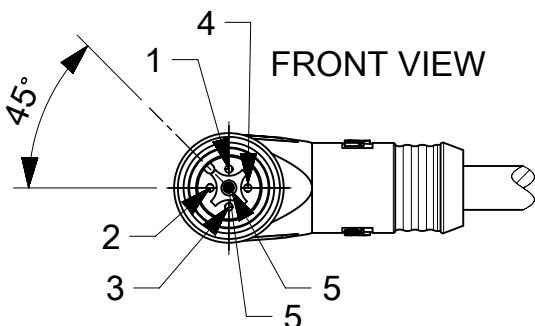
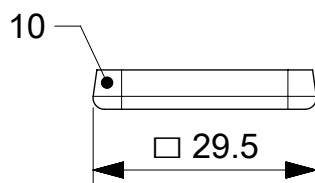
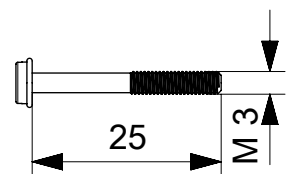
Label

L + Tolerance (see Table on sheet 3)

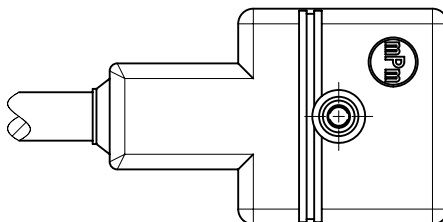
50 REF REF

Label

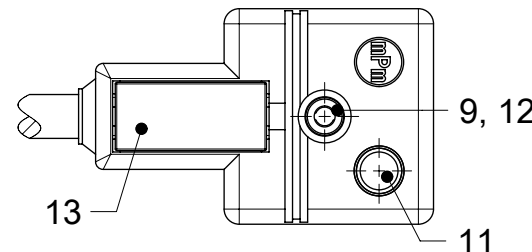
STANDARD
SCREW & GASKET
Index of protection: IP65



DIN Connector views
for PN without LED

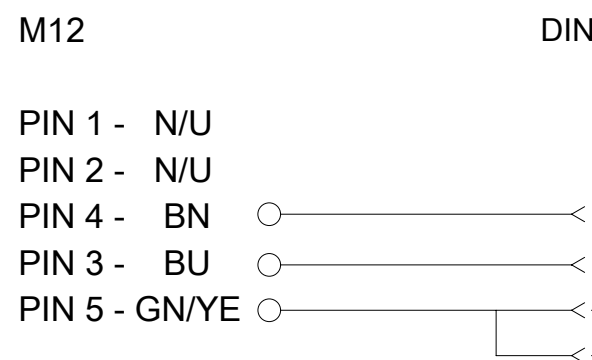
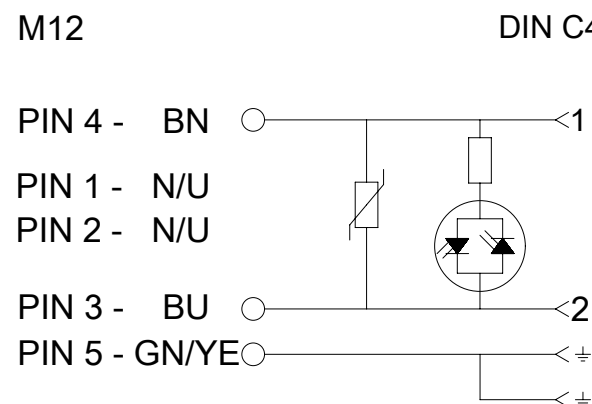
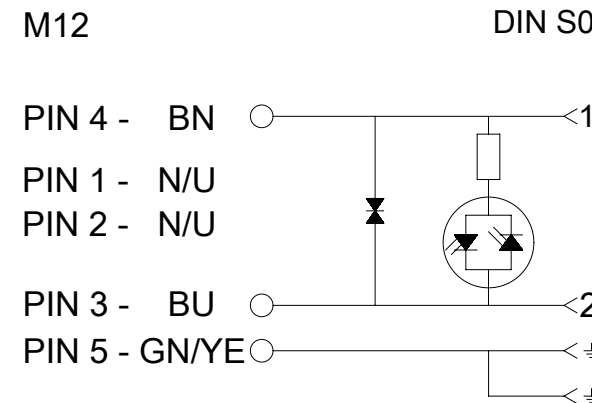


DIN Connector views
for PN with LED



Electrical diagram printed in white

ELECTRICAL DIAGRAMS



BILL OF MATERIALS

14	0/2	I/D CARRIER
13	0/1	LABEL PLASTIC
12	0/1	WASHER
11	0/1	PCB
10	1	GASKET
9	1	SCREW
8	4	CONTACT DIN
7	1	INSERT DIN A
6	-	MOULDING MATERIAL BLACK PP
5	5	CONTACT MALE
4	1	M12 COUPLING NUT MALE
3	1	M12 INSERT 5P MALE
2	-	MOULDING MATERIAL BLACK TPU
1	-	CABLE
ITEM	QTY.	DESCRIPTION

DOCUMENT STATUS	P1	RELEASE DATE	2024/04/05	09:07:10
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FUNCTIONAL SYMBOLS	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: RETRACTED DOCUMENT			molex							
	mm		1:1												
	GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 782067 DRWN: VISHAH2 2024/03/26 CHK'D: RSILLER 2024/04/05 APPR: RSILLER 2024/04/05 INITIAL REVISION: DRWN: APAWLAK01 2016/05/30 APPR: RSILLER 2024/04/05			E850 DIN A / MMC 5P MM									
	ANGULAR TOL ± 1.0 °														
	4 PLACES ±														
	3 PLACES ±														
	2 PLACES ± 0.05														
	1 PLACE ± 0.3		PRODUCT CUSTOMER DRAWING												
	0 PLACES ± 0.5														
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
				A3-SIZE		121035		1210350367		PSD		000		B	
								MATERIAL NUMBER		CUSTOMER		SHEET NUMBER			
								SEE SHEET 3		GENERAL MARKET		1 OF 3			

ENGINEERING NO. - NUMERICAL CODE (Available parts see PART LIST table. Others parts available upon request).

OPTIONS

E 8 5 0 X X X X X X X X X X

E=Form A
(18mm
contact
spacing)

8=MMC M12
Connector

5=5 Poles

0=Default Standard Wiring

Electrical configuration:
0 = Without circuit
A = S0 24V Yellow LED
B = C4 24V Yellow LED
C = S0 110V Yellow LED
D = C4 110V Yellow LED
E = S0 24V Green LED
F = C4 24V Green LED
G = S0 110V Green LED
H = C4 110V Green LED
J = S0 24V Red LED
K = C4 24V Red LED
L = S0 110V Red LED
M = C4 110V Red LED
S = C4 230V Yellow LED

DIN Earth Position - o'clock &
M12 connector body:
0 = Earth H6/H12, Male Straight
2 = Earth H6/H12, Male Right Angle

Cable type:
See Table

Units:
M=Meter

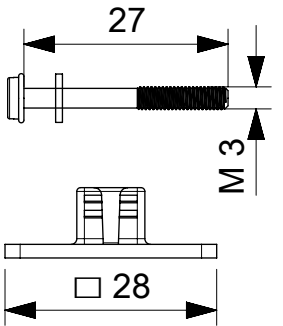
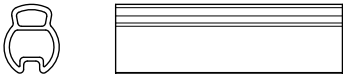
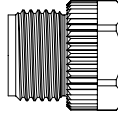
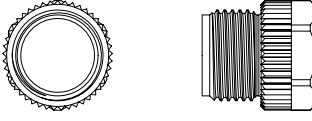
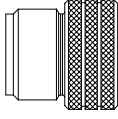
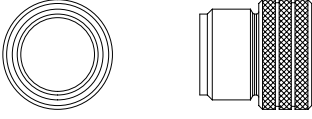
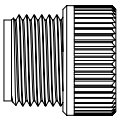
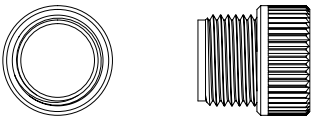
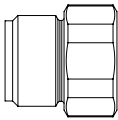
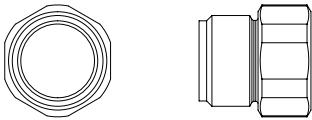
Length
Examples:
005=0.5 units
010=1 units
100=10 units

Overmold color:
Blank (Standard)=Black
A=Grey / G=Black / Y=Yellow

Coupling Nut:
Blank (Standard)=Knurled Brass Ni Plated
1=Hexagonal Stainless steel
5=Knurled Derlin
7=Knurled Brass Ni Plated, Teflon Coated
9=Knurled / Hexagonal Brass Ni Plated

H= 2 pcs. of I/D Carrier PVC Transparent
(Cables lxx & P82 always with
2 pcs. I/D Carrier)

R= NBR Integrated Gasket & Screw (IP67)



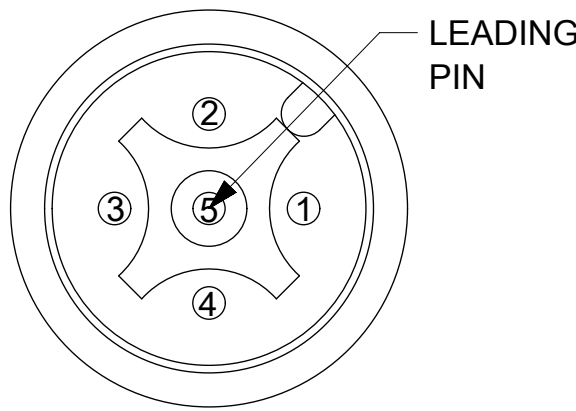
CABLE TYPE	NO. OF WIRES	CROSS SECTION	CABLE JACKET	UL	CSA	STATIC: TEMP. / BENDING RADIUS	DYNAMIC: TEMP. / BENDING RADIUS	SHIELD
A23	3	0.75mm ²	PVC BLACK	-	-	-20°C to +70°C, 3xO.D.	-15°C to +70°C, 5xO.D.	-
A58	3	20AWG	PVC BLACK	UL 2661	C22.2 II A 105°C/300V	-30°C to +105°C, 10xO.D.	-5°C to +105°C, 15xO.D.	-
B08	3	18AWG	PUR YELLOW	UL 20668	C22.2 II A 90°C/300V	-	-	-
B31	3	0.50mm ²	WSOR BLACK	UL 21215	-	-	-25°C to +80°C, 7.5xO.D.	-
E12	3	0.50mm ²	PVC BLACK	-	-	-20°C to +70°C, 3xO.D.	-15°C to +70°C, 5xO.D.	-
I12	3	0.50mm ²	CEI PVC GREY	-	-	-25°C to +70°C, 10xO.D.	-5°C to +70°C, 15xO.D.	-
P12	3	0.50mm ²	PUR BLACK	-	-	-40°C to +90°C, 7.5xO.D.	-15°C to +90°C, 12.5xO.D.	-
P82	3	0.34mm ²	PUR IRR ORANGE	-	-	-50°C to +105°C, 5xO.D.	-40°C to +105°C, 7.5xO.D.	-

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

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: RETRACTED DOCUMENT				molex			
	FUNCTIONAL SYMBOLS	SCALE								
FA = 0	mm	1:1	GENERAL TOLERANCES (UNLESS SPECIFIED)				E850 DIN A / MMC 5P MM			
FE = 0	ANGULAR TOL	± 1.0 °								
FE = 0	4 PLACES	±	EC NO: 782067 DRWN: VISHAH2 CHK'D: RSILLER APPR: RSILLER				PRODUCT CUSTOMER DRAWING			
	3 PLACES	±								
	2 PLACES	± 0.05	INITIAL REVISION: DRWN: APAWLAK01 APPR: RSILLER				DOCUMENT NUMBER 1210350367			
	1 PLACE	± 0.3								
	0 PLACES	± 0.5	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION			
			DRAWING A3-SIZE				SERIES 121035			
			MATERIAL NUMBER SEE SHEET 3				CUSTOMER GENERAL MARKET			
			SHEET NUMBER 2 OF 3							

<

5P M12 MALE



VIEW FROM FRONT SIDE

PIN	WIRE COLOR
1	TERMINAL
2	TERMINAL
3	BLUE
4	BROWN
5	GREEN/YELLOW BLACK

ENGINEERING NO. - NUMERICAL CODE (Available parts see PART LIST table. Others parts available upon request).

OPTIONS

E 8 5 0 B 2 X X X X X X X X

8=MMC
Single Keyway

5=5 Poles

E=Form A
(18mm contact
spacing)

0B2 = Standard Wiring
Yellow LED/VDR/24 Volts
MaIr 90°

Cable type:
See Table

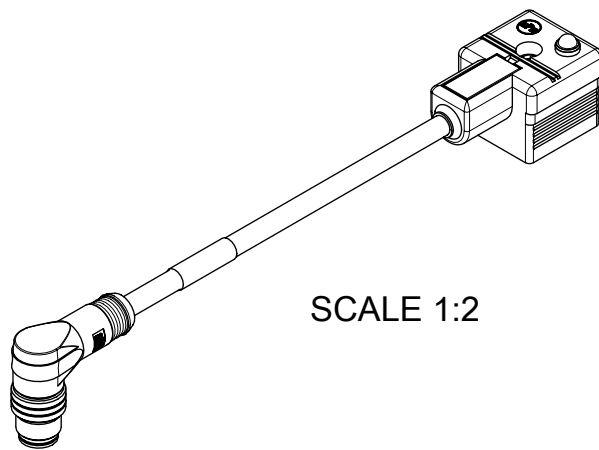
Units:
M=Meter
F=Feet

Length
Examples:
005=0.5 units
010=1 units
100=10 units

Overmold color:
Blank = Black PUR (STANDARD)
A=Grey / G=Black / Y=Yellow

Coupling Nut:
Blank = Standard
1= Stainless steel
5= Derlin
7= Teflon Coated

H= 2 pcs. of I/D Carrier PVC Transparent
(Cables lxx always with
2 pcs. I/D Carrier)



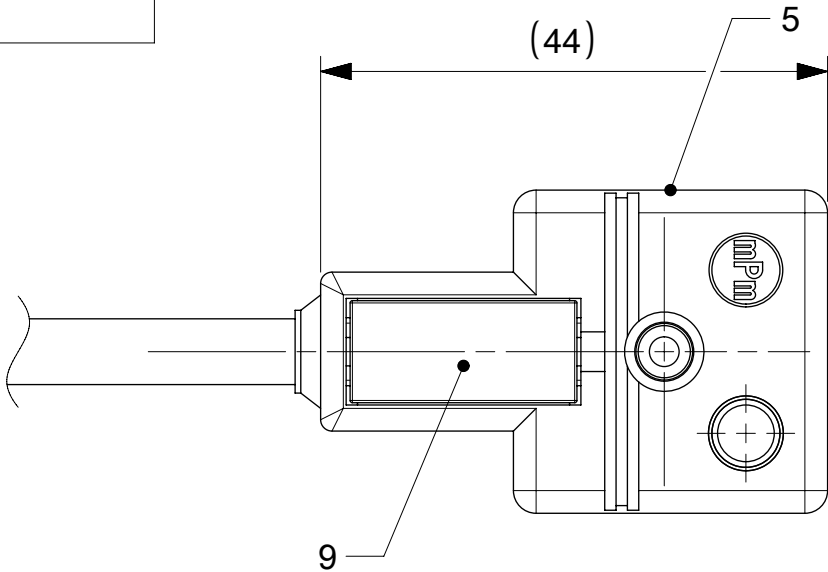
SCALE 1:2

Product Specification:

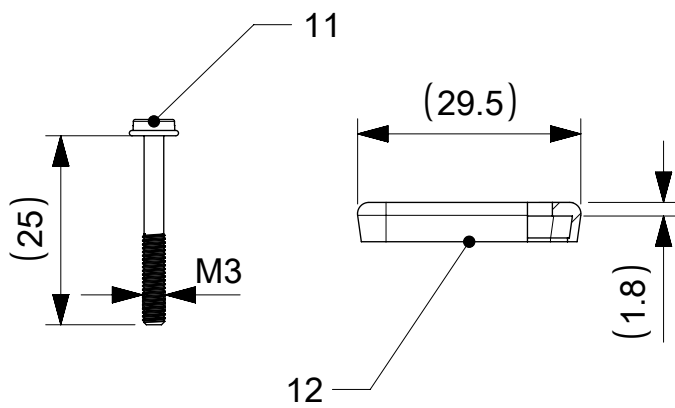
Voltage: 24V

Current max: 4A

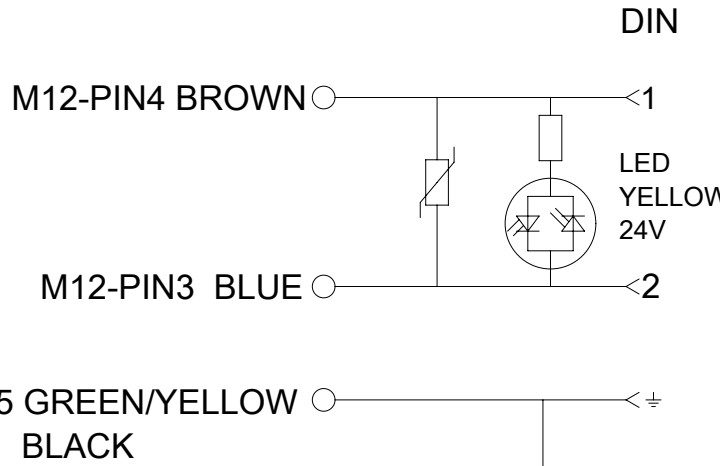
Operating Temperature: -25°C +85°C



ELECTRICAL DIAGRAM C4.
PRINTED IN WHITE



ELECTRICAL DIAGRAM : C4



NOTES:
1. USE 2xI/D CARRIER IF H ON THE END OF PART No MATRIX
OR GREY CABLE lxx

CUSTOMER PRODUCT APPROVAL
APPROVED BY:_____
DATE:_____
MUST BE SIGNED AND RETURNED BEFORE
PRODUCTION WILL BEGIN

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

FUNCTIONAL SYMBOLS	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: REMOVED OBSOLETE PART NUMBERS AS PER PCN#512132					molex DIN/MMN 5P 24V MM 90 XM XXX					
	mm		1:1												
	GENERAL TOLERANCES (UNLESS SPECIFIED)														
ANGULAR TOL ± 1.0°															
F_A = 0					EC NO: 754285					PRODUCT CUSTOMER DRAWING DOCUMENT NUMBER 1210360210 DOC TYPE PSD DOC PART 000 REVISION A3					
F_C = 0	4 PLACES		±		DRWN: VISHAH2 2023/05/24										
F_P = 0	3 PLACES		±		CHK'D: GGA 2023/07/18										
2 PLACES		± 0.05		APPR: GGA 2023/07/18											
DIVISIONAL SYMBOLS	INITIAL REVISION:					DOCUMENT NUMBER 1210360210 DOC TYPE PSD DOC PART 000 REVISION A3									
	1 PLACE		± 0.3		DRWN: SSM 2018/07/25										
	0 PLACES		± 0.5		APPR: RSILLER 2018/07/26										
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIRD ANGLE PROJECTION			DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						A2-SIZE		121036		SEE SHEET 2		GENERAL MARKET		1 OF 2	

BOM

ITEM No.	QTY.	DESCRIPTION	MATERIAL	FINISH/COLOR
1	-	CABLE	SEE CABLE LIST	SEE CABLE LIST
2	1	MOUNTED INSERT ASSEMBLY	-	BLACK
3	1	PCB WITH COMPONENT	-	-
4	3	CONTACT MALE	BRASS	SELECTIVE GOLD OVER NICKEL
5	-	DIN MOULD COMPOUND	PP	BLACK
6	1	OVERMOULD	SEE MATRIX	SEE MATRIX
7	1	MALE INSERT	PUR	BLACK
8	1	M12 MALE COUPLING NUT	BRASS	Ni-PLATED
9	1	LABEL,PLASTIC	PLASTIC	WHITE
10	1	LABEL WRAP	VINYL	YELLOW
11	1	SCREW	-	-
12	1	GASKET	NBR	BLACK
13	1	PVC LINE TER	PVC	-
14	0/2	2x ID CARRIER	-	-

FORMATS: moxlen-bp-pcna-02
REVISION: J1
DATE: 2018/05/01

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