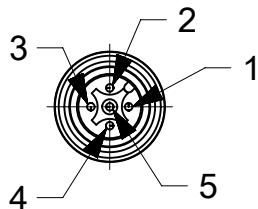
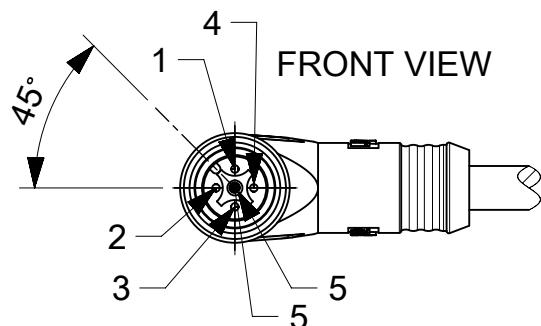
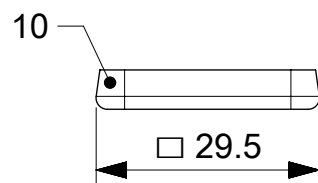
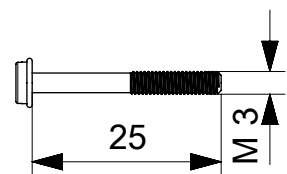


FRONT VIEW



STANDARD
SCREW & GASKET
Index of protection: IP65



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

L + Tolerance (see Table on sheet 3)

50 REF

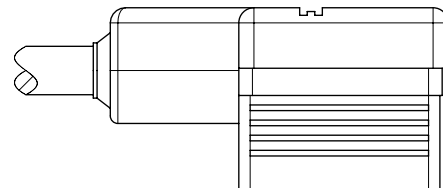
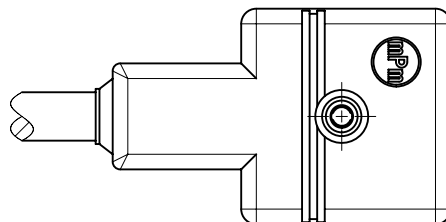
Label

L + Tolerance (see Table on sheet 3)

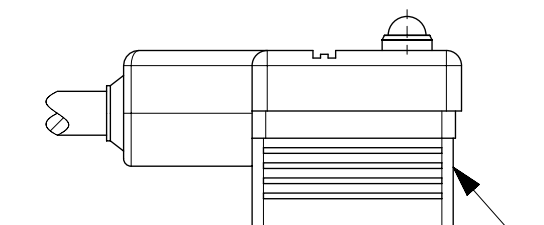
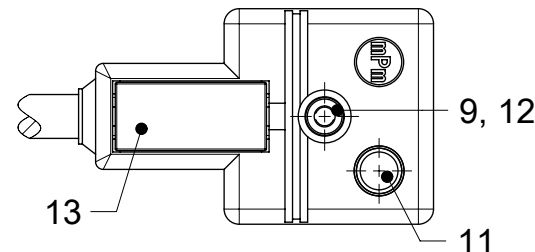
50 REF REF

Label

DIN Connector views
for PN without LED



DIN Connector views
for PN with LED

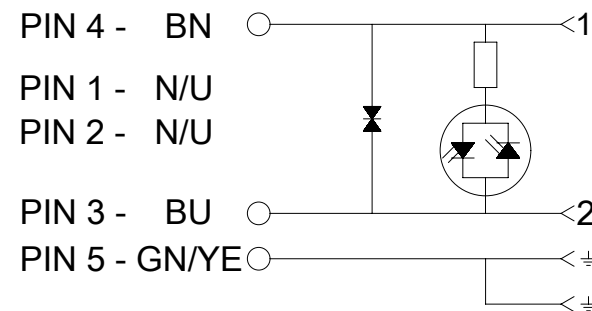


Electrical diagram printed in white

ELECTRICAL DIAGRAMS

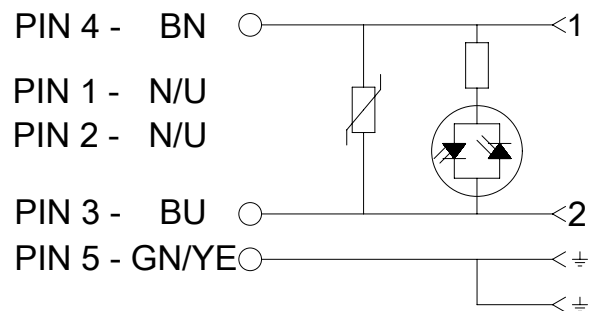
M12

DIN S0



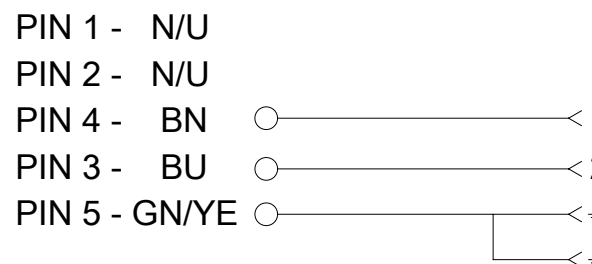
M12

DIN C4



M12

DIN



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)		ANGULAR TOL		±		1.0 °		E850 DIN A / MMC 5P MM						
	4 PLACES		±												
DIVISIONAL SYMBOLS	3 PLACES		±		EC NO: 782067			PRODUCT CUSTOMER DRAWING							
	2 PLACES		± 0.05		DRWN: VISHAH2 2024/03/26										
	1 PLACE		± 0.3		CHK'D: RSILLER 2024/04/05										
	0 PLACES		± 0.5		APPR: RSILLER 2024/04/05										
	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

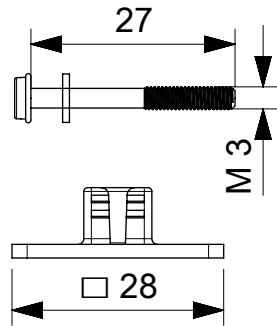
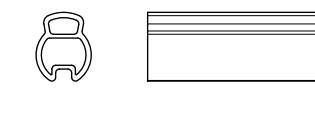
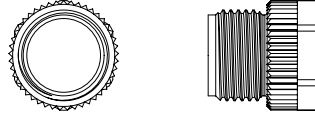
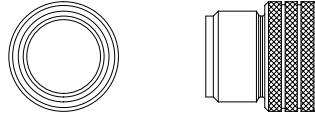
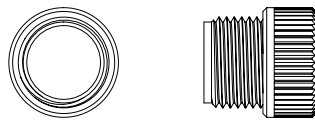
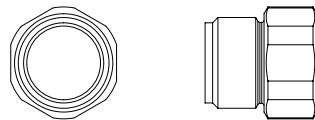
Length
Examples:
005=0.5 units
010=1 units
100=10 units

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.	-

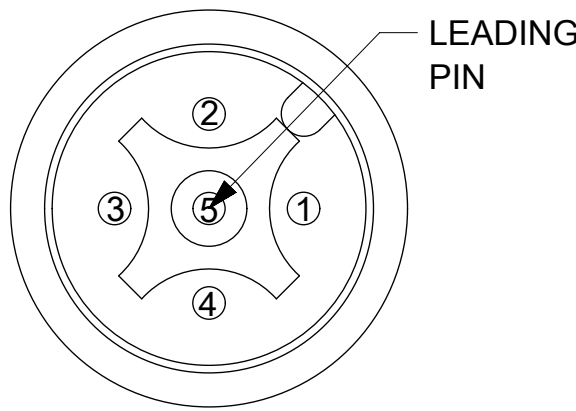
Table of length tolerances [mm]		
Over	Up to and including	Tolerance
0	1000	±20
1000	3000	±30
3000	5000	±40
5000	10000	±50
10000	15000	±100
15000	20000	±150
20000		±L/100

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																
FA = 0	DIMENSION UNITS		SCALE		CURRENT REV DESC: RETRACTED DOCUMENT					molex							
	mm		1:1														
FE = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 782067 DRWN: VISHAH2 CHK'D: RSILLER APPR: RSILLER					E850 DIN A / MMC 5P MM							
FE = 0	ANGULAR TOL ± 1.0 °																
DIVISIONAL SYMBOLS	4 PLACES		±		2024/03/26					PRODUCT CUSTOMER DRAWING							
	3 PLACES		±												2024/04/05		
	2 PLACES		± 0.05		2024/04/05												
	1 PLACE		± 0.3												INITIAL REVISION: DRWN: APAWLAK01 APPR: RSILLER		
	0 PLACES		± 0.5		2016/05/30 2024/04/05												
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION						DRAWING		SERIES		DOCUMENT NUMBER		DOC TYPE	
						A3-SIZE		121035		1210350367		PSD		000		B	
										MATERIAL NUMBER		CUSTOMER		SHEET NUMBER			
										SEE SHEET 3		GENERAL MARKET		2 OF 3			

DOCUMENT STATUS	P1	RELEASE DATE	2024/04/05	09:07:10
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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

Cable type:
See Table

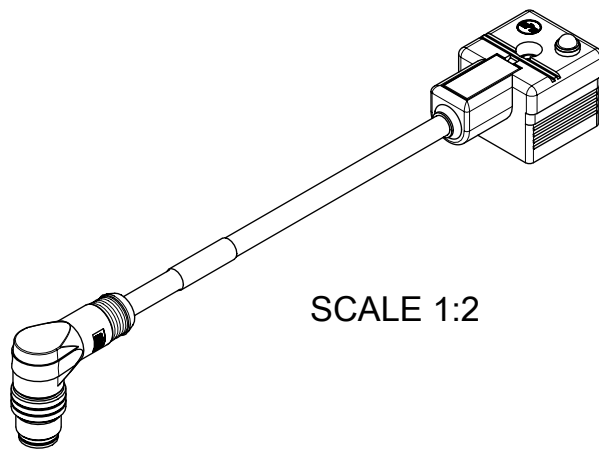
Units:
M=Meter
F=Feet

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)



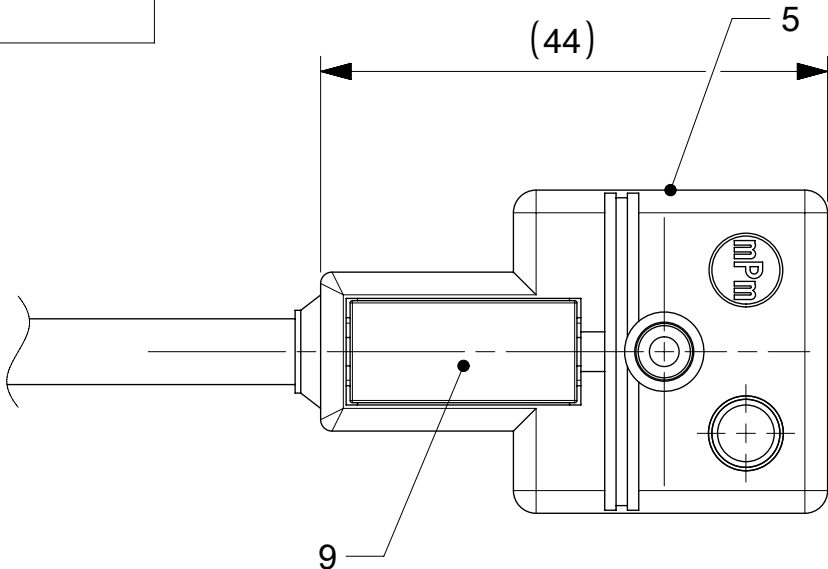
SCALE 1:2

Product Specification:

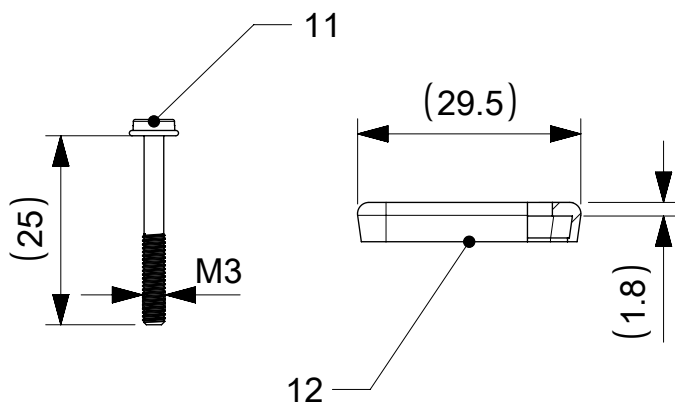
Voltage: 24V

Current max: 4A

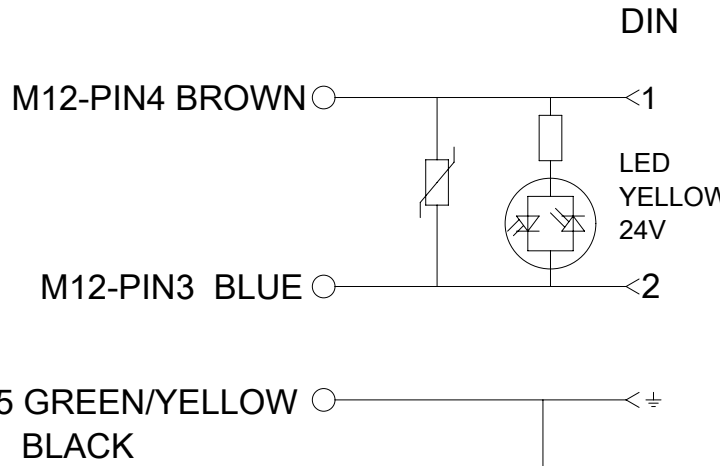
Operating Temperature: -25°C +85°C



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					
	mm		1:1												
	F_A = 0			GENERAL TOLERANCES (UNLESS SPECIFIED)						DIN/MMN 5P 24V MM 90 XM XXX					
F_C = 0															
F_P = 0															
DIVISIONAL SYMBOLS	ANGULAR TOL ± 1.0 °			EC NO: 754285 DRWN: VISHAH2 2023/05/24 CHK'D: GGA 2023/07/18 APPR: GGA 2023/07/18					PRODUCT CUSTOMER DRAWING						
	4 PLACES		±												
	3 PLACES		±						DOCUMENT NUMBER 1210360210 DOC TYPE PSD DOC PART 000 REVISION A3						
	2 PLACES		± 0.05												
	1 PLACE		± 0.3												
	0 PLACES		± 0.5												
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	-	-

DOCUMENT STATUS	P1	RELEASE DATE	2023/07/18	08:20:48
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FORMA5: revision 05-p000-A2
REVISION: J1
DATE: 2023/05/01

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