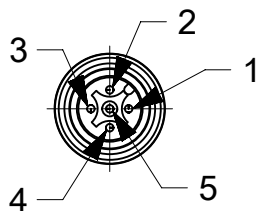
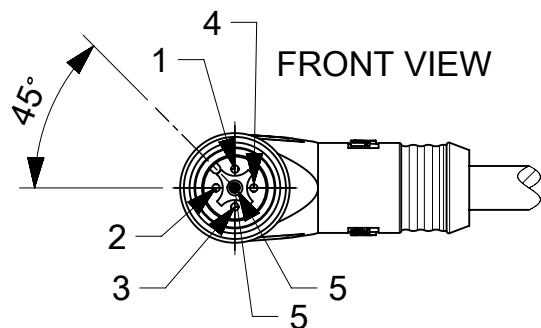
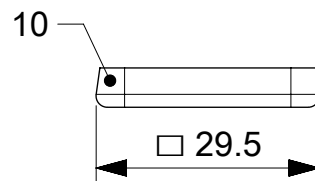
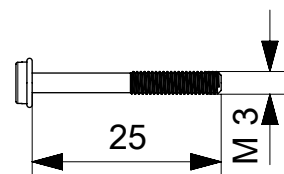


FRONT VIEW



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	2025/06/30	17:14:31
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L + Tolerance (see Table on sheet 3)

50 REF

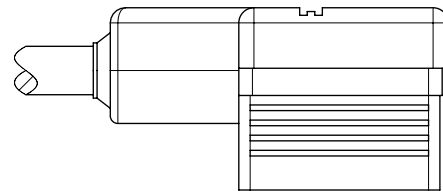
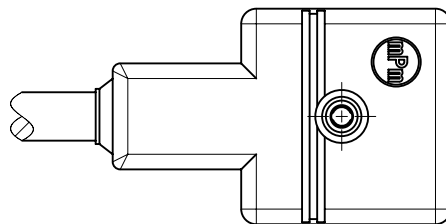
Label

L + Tolerance (see Table on sheet 3)

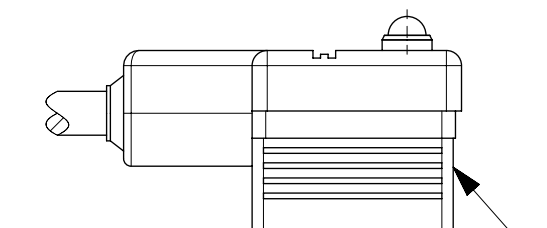
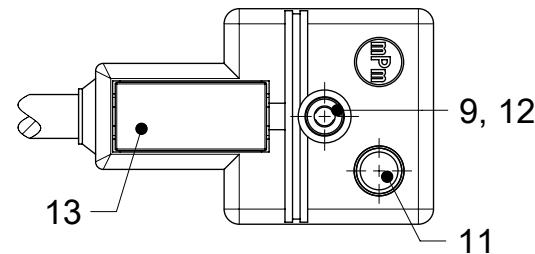
50 REF REF

Label

DIN Connector views
for PN without LED



DIN Connector views
for PN with LED

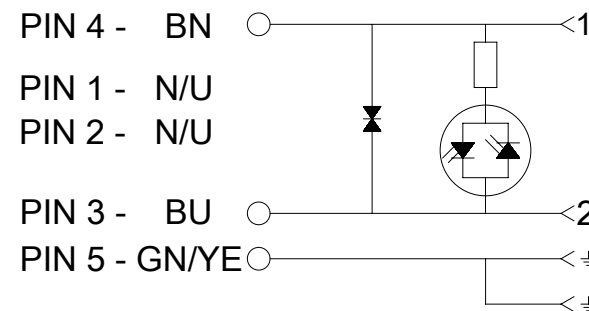


Electrical diagram printed in white

ELECTRICAL DIAGRAMS

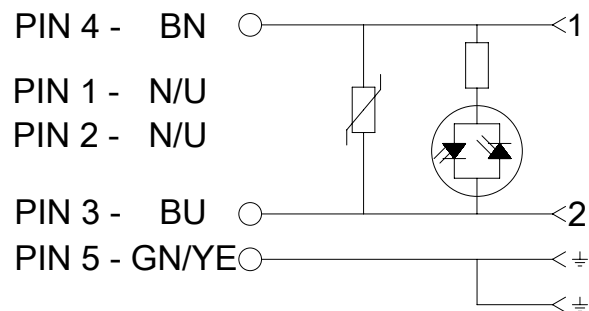
M12

DIN S0



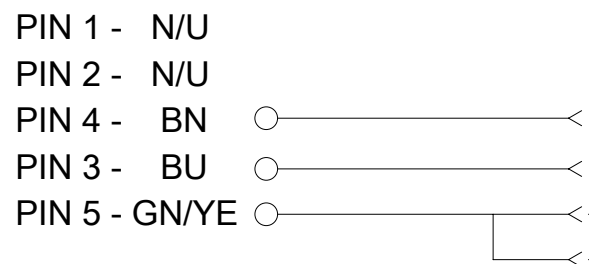
M12

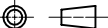
DIN C4



M12

DIN



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#515183			molex						
mm		1:1											
GENERAL TOLERANCES (UNLESS SPECIFIED)							E850 DIN A / MMC 5P MM						
ANGULAR TOL ± 1.0 °													
4 PLACES		±		EC NO: 826032 DRWN: SAMPRS 2025/06/05 CHK'D: GGA 2025/06/30 APPR: GGA 2025/06/30			PRODUCT CUSTOMER DRAWING						
3 PLACES		±											
2 PLACES		± 0.05											
1 PLACE		± 0.3		INITIAL REVISION: DRWN: APAWLAK01 2016/05/30 APPR: RSILLER 2024/04/05			DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION		
0 PLACES		± 0.5					1210350367		PSD	000	B1		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER	SHEET NUMBER
						A3-SIZE		121035		SEE SHEET 3		GENERAL MARKET	

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

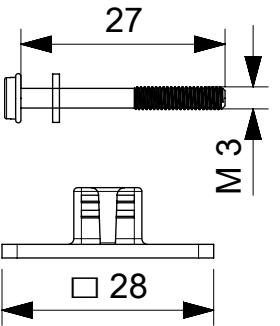
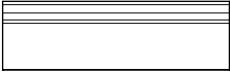
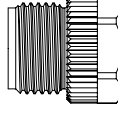
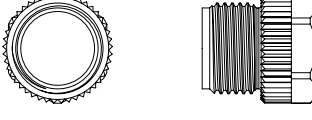
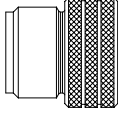
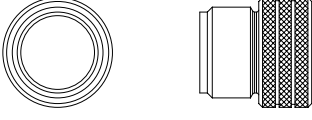
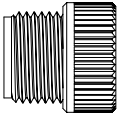
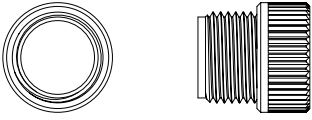
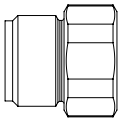
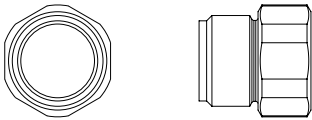
Length
Examples:
005=0.5 units
010=1 units
100=10 units

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

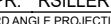
H= 2 pcs. of I/D Carrier PVC Transparent
(Cables lxx & P82 always with
2 pcs. I/D Carrier)

R= NBR Integrated Gasket & Screw (IP67)



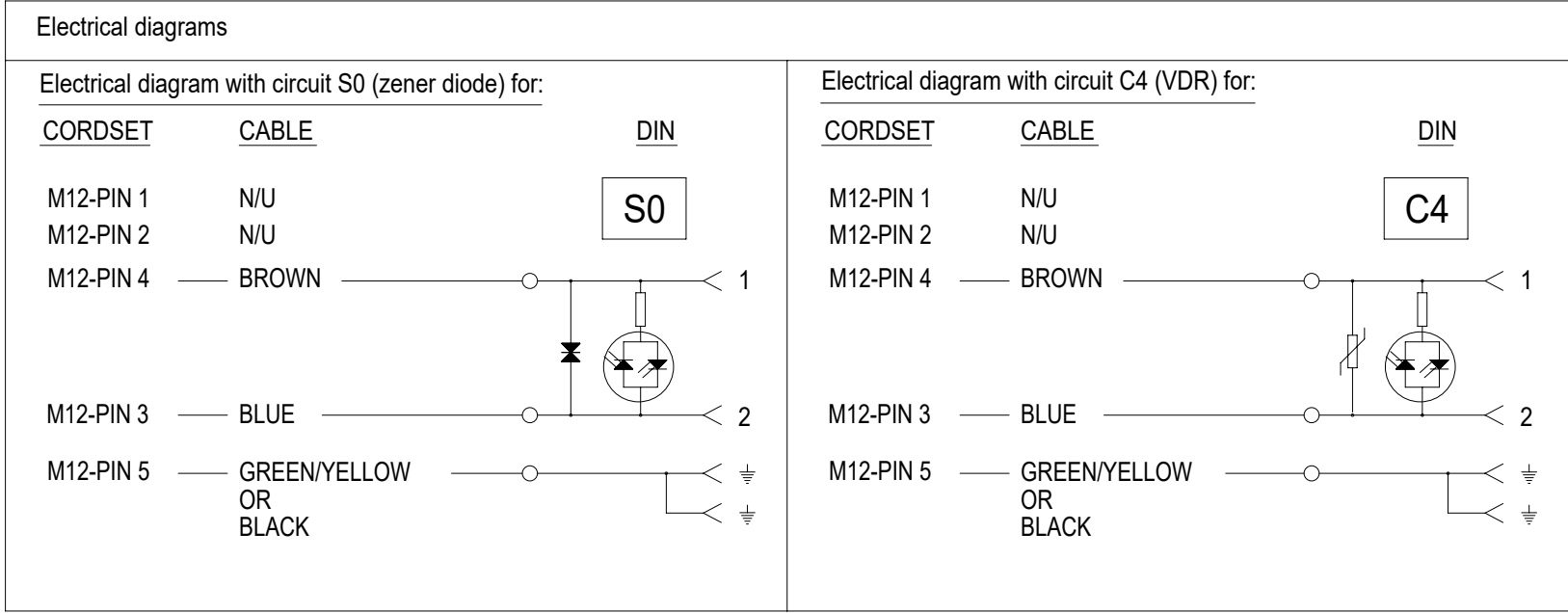
CABLE TYPE	NO. OF WIRES	CROSS SECTION	CABLE JACKET	UL	CSA	STATIC: TEMP. / BENDING RADIUS	DYNAMIC: TEMP. / BENDING RADIUS	SHIELD
A23	3	0.75mm ²	PVC BLACK	-	-	-20°C to +70°C, 3xO.D.	-15°C to +70°C, 5xO.D.	-
A58	3	20AWG	PVC BLACK	UL 2661	C22.2 II A 105°C/300V	-30°C to +105°C, 10xO.D.	-5°C to +105°C, 15xO.D.	-
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

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#515183							
mm		1:1								
GENERAL TOLERANCES (UNLESS SPECIFIED)			EC NO: 826032 DRWN: SAMPRS 2025/06/05 CHK'D: GGA 2025/06/30 APPR: GGA 2025/06/30 INITIAL REVISION: DRWN: APAWLAK01 2016/05/30 APPR: RSILLER 2024/04/05							
ANGULAR TOL ± 1.0 °										
4 PLACES		±								
3 PLACES		±								
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
					A3-SIZE	121035	SEE SHEET 3		GENERAL MARKET	2 OF 3

				
E850 DIN A / MMC 5P MM				
PRODUCT CUSTOMER DRAWING				
DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
1210350367		PSD	000	B1
MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
SEE SHEET 3		GENERAL MARKET		2 OF 3

DOCUMENT STATUS	P1	RELEASE DATE	2025/06/30	17:14:31
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Cable type				
Cable Type	Jacket Material	Jacket Color	Wire cross section	Braid
A23	PVC	Black	0.75mm²	no
A58	PVC	Black	20AWG	no
B08	PUR	Yellow	18AWG	no
E03	PVC	Black	0.34mm²	no
E12	PVC	Black	0.5mm²	no
I12	CEI PVC	Grey	0.5mm²	no
P12	PUR	Black	0.5mm²	no
P82	PUR IRR	Orange	0.34mm²	no
S26	PVC	Yellow	0.34mm²	yes
B31	PUR	Black	0.5mm²	no

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DIMENSION UNITS	SCALE	CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#515183			molex E85XXXXXXXXXX DIN A + CORDSETS M12							
mm	NTS											
GENERAL TOLERANCES (UNLESS SPECIFIED)												
	MM	INCH										
4 PLACES	±	±	EC NO: 826028		PRODUCT CUSTOMER DRAWING							
3 PLACES	±	±	DRWN: SANATK1									
2 PLACES	±	±	CHK'D: GGA									
1 PLACE	±	±	APPR: GGA		INITIAL REVISION:							
0 PLACES	±	±										
ANGULAR TOL		± °										
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		FIRST ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER				
				A3-SIZE	121036	SEE SHEET 3	GENERAL MARKET	2 OF 3				

DOCUMENT NUMBER

SD-121036-001

DOC TYPE

PSD

DOC PART

001

REVISION

C1

10	9	8	7	6	5	4	3	2	1									
F	PART LIST									F								
E	Pos.	Molex PN:	Engineering No.:								E							
	1	1210350133	E85000P12M006															
	2	1210360178	E850A0P12M020															
	3	1210360192	E850B0P12M006															
	4	1210360193	E850B0P12M010															
	5	1210360194	E850B0P12M015															
	6	1210360195	E850B0P12M020															
	7	1210360196	E850B0P12M050															
	8	1210360209	E850B2P12M010															
	9	1210360211	E850B2P12M030															
D	10	1210360356	E850B0P12M030								D							
	11	1210360399	E850B0P12M003															
	12	1210360491	E850A0A58M010															
	13	1210360492	E850A0A58M015															
	14	1210360493	E850A0A58M030															
	15	1210360494	E850A0A58M050															
	16	1210360495	E850A0A58M100															
	17	1210360497	E850B2P12M025G															
	18	1210360559	E850B0E12M050															
	19	1210360574	E850B0E12M020															
C	20	1210360593	E850B0P12M040								C							
	21	1210360594	E850B0P12M100															
	22	1210360596	E850B2E12M006															
	23	1210360627	E850B0E12M010															
	24	1210360694	E850A0A58M006															
	25	1210360708	E850B0A23M030															
	26	1210360719	E850B2A23M017															
	27	1210360725	E850D0A23M030															
	28	1210360754	E850A0A58M005															
	29	1210360789	E850D0P12M020															
B	30	1210360813	E850A0A58M007								B							
	31	1210360816	E850B0I12M020Y															
	32	1210360817	E850B0I12M030Y															
	33	1210360821	E850B2P12M015															
	34	1210360847	E850B0P12M058															
	35	1210361900	E850B0A23M015															
	36																	
	37																	
	38																	
	39																	
A	40										A							
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DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#515183				molex										
mm		NTS																
GENERAL TOLERANCES (UNLESS SPECIFIED)								E85XXXXXXXXXX DIN A + CORDSETS M12										
		MM		INCH		EC NO: 826028 DRWN: SANATK1 2025/06/02 CHK'D: GGA 2025/06/30 APPR: GGA 2025/06/30				PRODUCT CUSTOMER DRAWING								
4 PLACES	±		±															
3 PLACES	±		±															
2 PLACES	±		±			INITIAL REVISION: DRWN: JMARSZALEK 2012/11/08 APPR: MIWASIECZKO 2012/11/09				DOCUMENT NUMBER		SD-121036-001	PSD	001	C1			
1 PLACE	±		±															
0 PLACES	±		±															
ANGULAR TOL		±	°			FIRST ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						A3-SIZE	121036	SEE SHEET 3		GENERAL MARKET		3 OF 3						
DOCUMENT STATUS	P1	RELEASE DATE	2025/06/30	13:30:36	7	6	5	4	3	2	1							
FORMAT: Met-lega-master-ib-prod-A3 REVISION: E1 DATE: 2021/05/01										9	8	7	6	5	4	3	2	1