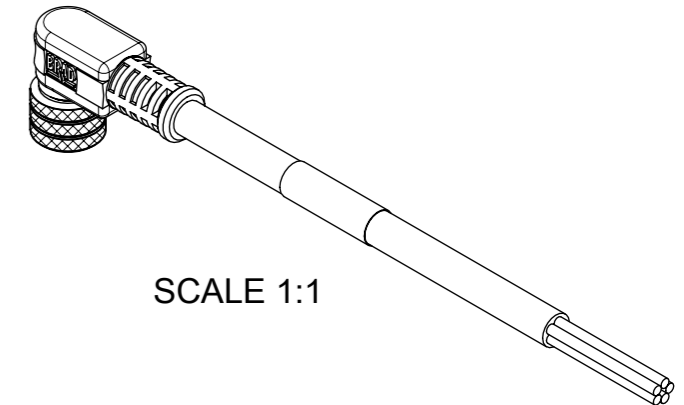
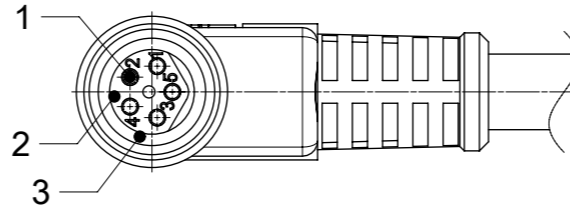
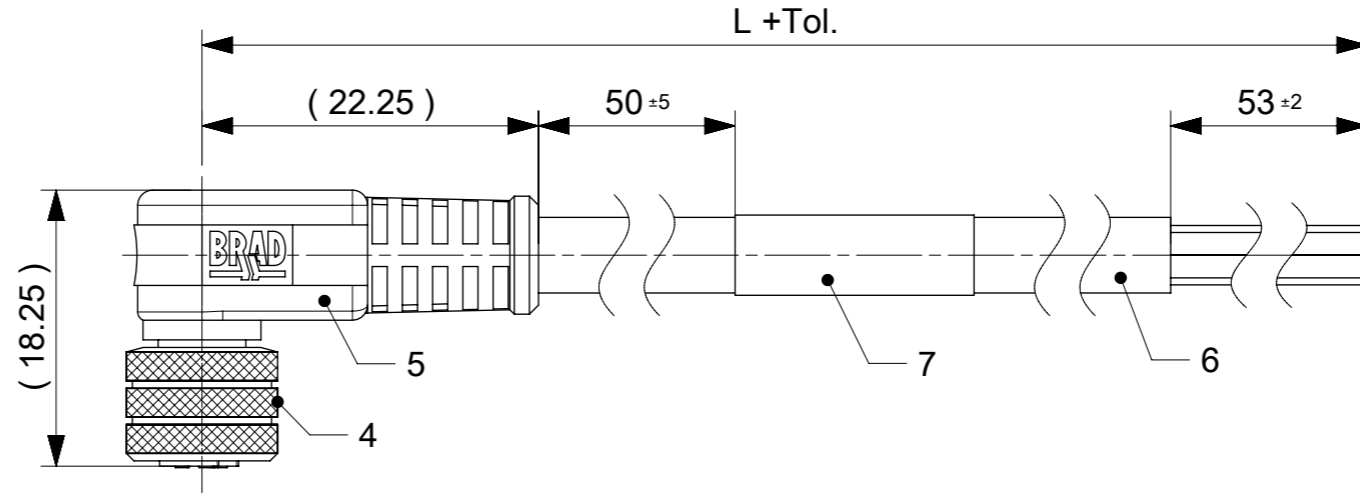
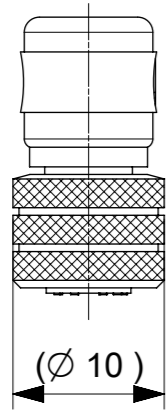
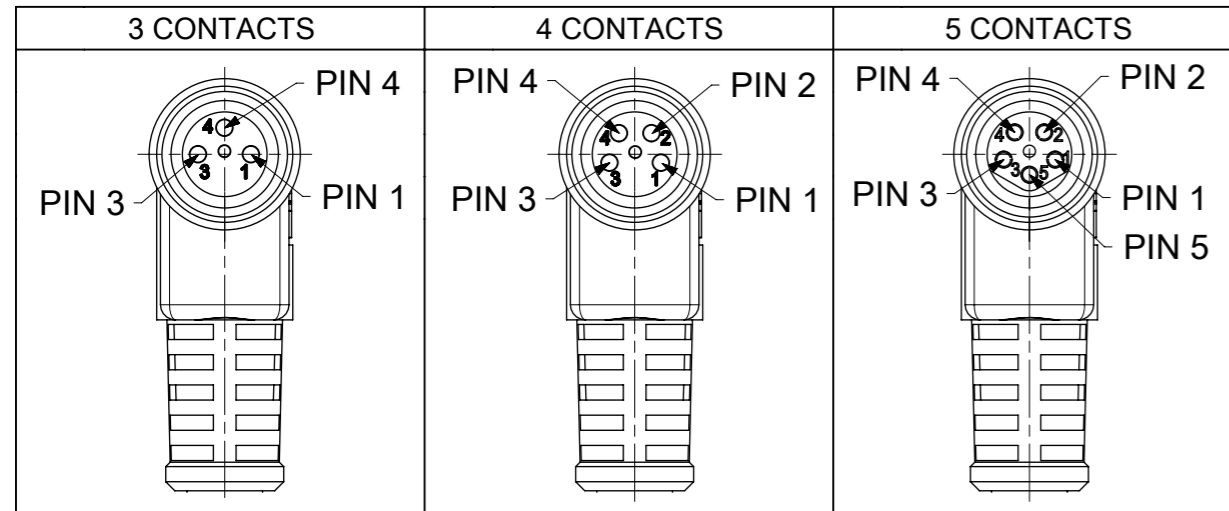


# FEMALE PLUG M8 90° ANGLED



NOTES:  
 RATED VOLTAGE: 3 contacts 60V AC/DC  
 4 and 5 contacts 30V AC/DC  
 CURRENT RATING: 3, 4, 5 contacts 3A  
 PROTECTION CLASS: IP 67  
 TEMPERATURE: -25°C / +80°C

## CONTACT POSITION FRONT VIEW:



PIN	WIRE	PIN	WIRE	PIN	WIRE
1	BROWN	1	BROWN	1	BROWN
2	-	2	WHITE	2	WHITE
3	BLUE	3	BLUE	3	BLUE
4	BLACK	4	BLACK	4	BLACK
				5	GREY

CODING ACCORDING TO IEC 61076-2-104

FOR OPTIONS SEE - NUMERICAL CODE - ON SHEET 2

ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH
7	1	LABEL	VINYL	-
	-	PRINTING FOR CABLES IXX	-	-
6	-	CABLE	SEE SHEET 2	-
5	-	OVERMOULDING BLACK	TPU	-
4	1	NUT M8 FEMALE	BRASS	NICKEL
3	1	O-RING RED	FKM	-
2	1	INSERT FEMALE BLACK	TPU	-
1	3 / 4 / 5	CONTACT M8 FEMALE	BRASS	SELECTIVE Au OVER Ni

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DIMENSION UNITS: mm SCALE: 2:1

GENERAL TOLERANCES (UNLESS SPECIFIED):  
 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: A3-SIZE

SERIES: 120086

MATERIAL NUMBER: 1200868179

CUSTOMER: GENERAL MARKET

SHEET NUMBER: 1 OF 3

EC NO: 726454  
 DRWN: LIKITV 2022/10/26  
 CHK'D: GGA 2022/11/30  
 APPR: GGA 2022/11/30

INITIAL REVISION:  
 DRWN: FGAIK 2016/11/02  
 APPR: RSILLER 2016/11/14

CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#510807.

**molex**

CSE M8 XP AC BC RA XM SE

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER: 1200868179

DOC TYPE: PSD

DOC PART: 000

REVISION: A5

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

OPTIONS

4 0 X 0 0 1 X X X M X X X X X

40=Nano-Change  
M8x1  
Single ended

Poles:  
3=3 Contacts  
4=4 Contacts  
5=5 Contacts

Head style:  
001=Plug Female Angled

Cable type: See Table

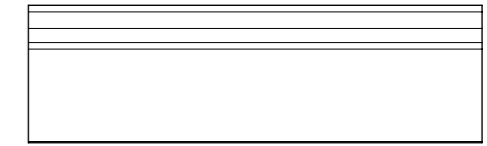
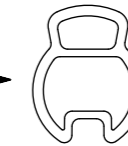
Units:  
M=Meter

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

Overmold color:  
Blank (Standard)=Black  
G=Black / Y=Yellow  
For cables K05, A10 = Yellow

Nut:  
Blank (standard)=Knurled Brass Ni Plated  
1=Stainless Steel  
7=Teflon coat

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



CABLE INFORMATION

CABLE TYPE	NO. OF WIRES	CROSS SECTION	CABLE JACKET	UL	CSA	TEMP. RATING	STATIC: TEMP. / BENDING RADIUS	DYNAMIC: TEMP. / BENDING RADIUS	DRAG CHAIN	SHIELD
A10	4	0.25mm <sup>2</sup>	PVC YELLOW	UL 2661/1731	I/II A/B 105°C/300V	105°C	-	-	-	NO
E02	3 / 4 / 5	0.25mm <sup>2</sup>	PVC BLACK	UL 2464/1729	C22.2 I/II A/B 80°C/300V	-	-30°C to +80°C, 10xO.D.	-10°C to +80°C, 15xO.D.	-	NO
H08	3 / 4 / 5	0.25mm <sup>2</sup>	PUR BLACK LS0H	UL 21198/10493	C22.2 I/II A/B 80°C/300V	-	-40°C to +80°C, 5xO.D.	-25°C to +80°C, 10xO.D.	2 000 000 cycles, Temp max 60°C	NO
H09	4	0.34mm <sup>2</sup>	PUR BLACK LS0H	UL 21198/10493	C22.2 I/II A/B 80°C/300V	-	-40°C to +80°C, 5xO.D.	-25°C to +80°C, 10xO.D.	2 000 000 cycles, Temp max 60°C	NO
I02	3 / 4	0.25mm <sup>2</sup>	PVC (CEI) GREY	-	-	-	-30°C to +70°C	-5°C to +70°C	-	NO
K05	3	0.34mm <sup>2</sup>	TPE YELLOW	UL ITC OR PLTC	I/II A/B 90°C/300V	105°C	-	-	-	NO
P02	3 / 4 / 5	0.25mm <sup>2</sup>	PUR / PVC BLACK	-	-	-	-30°C to +80°C, 7xO.D.	-5°C to +80°C, 15xO.D.	-	NO
P82	3 / 4	0.34mm <sup>2</sup>	PUR ORANGE	-	-	-50°C to +105°C	-	-	-	NO

CABLE LENGTH TOLERANCES

OVER [mm]	UP TO AND INCLUDING [mm]	TOLERANCES [mm]
0	305	+19
305	915	+45
915	1830	+56
1830	3660	+89
3660	7320	+165
7320	14640	+317
14640	30500	+610
30500	>	+2% of finished length

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DIMENSION UNITS	SCALE	CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#510807.		<b>molex</b>	
mm	1:1				
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 726454		CSE M8 XP AC BC RA XM SE	
ANGULAR TOL	± 1.0 °	DRWN: LIKITV 2022/10/26		PRODUCT CUSTOMER DRAWING	
4 PLACES	±	CHK'D: GGA 2022/11/30		DOCUMENT NUMBER	
3 PLACES	±	APPR: GGA 2022/11/30		1200868179	
2 PLACES	± 0.05	INITIAL REVISION:		DOC TYPE	
1 PLACE	± 0.3	DRWN: FGAIK 2016/11/02		PSD	
0 PLACES	± 0.5	APPR: RSILLER 2016/11/14		DOC PART	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		REVISION	
		DRAWING		A5	
		SERIES		SHEET NUMBER	
		A3-SIZE 120086		2 OF 3	
		MATERIAL NUMBER		CUSTOMER	
		GENERAL MARKET			

