

The drawing shows a circular mechanical part with four rectangular slots arranged radially. The slots are numbered 1, 2, 3, and 4. A leader line points to slot 1. The part has a central hole with a crosshair. The drawing is a technical sketch of a mechanical part, likely a flange or a plate, with four rectangular slots arranged radially. The slots are numbered 1, 2, 3, and 4. A leader line points to slot 1. The part has a central hole with a crosshair. The drawing is a technical sketch of a mechanical part, likely a flange or a plate, with four rectangular slots arranged radially. The slots are numbered 1, 2, 3, and 4. A leader line points to slot 1. The part has a central hole with a crosshair.

PIN	WIRE COLOR
1	BN
2	WH
3	BU
4	BK

A technical drawing of a wheel hub assembly. The drawing shows a cross-section of the hub with five numbered callouts: 1 points to the outer rim, 2 points to the upper spoke, 3 points to the right spoke, 4 points to the lower spoke, and 5 points to the central hub area. A dashed line indicates the center of the wheel.

PIN	WIRE COLOR
1	BN
2	WH
3	BU
4	BK
5	GY

8

88 = M12xM12U
DOUBLE ENDED

W



0

3

1

X

X

X

M

*

4

7

HEADER:
031 = FEMALE RIGHT ANGLED - MALE STRAIGHT

CABLE TYPE .
E03 - 5 WIRE
P03 - 4 WIRE

UNIT:
M = METER
F = FEET
C = CENTIMETERS

LENGTH:
EXAMPLE :
010 = 1 UNIT
050 = 5 UNIT
100 = 10 UNIT

H = 2 PCS. OF I/D CARIERR
COUPLIN NUT :
BLANK = KNU
1, 8 = STAINLESS STEEL
5 = DERLIN
7 = TEFLON KNU
9 = KNU/HEX
OVERMOULD:
BLANK = BLACK
A = GREY
G = BLACK
Y = YELLOW

6

*

PIN	WIRE COLOR
1	BN
2	WH
3	BU
4	BK

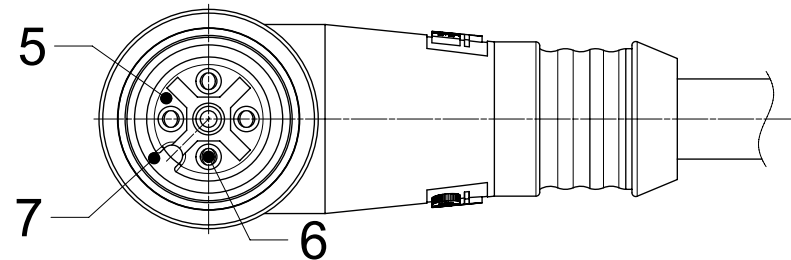
Technical drawing of a wheel hub. The drawing shows a cross-section of the hub with concentric circles representing the wheel rim and the hub's outer and inner surfaces. The hub has a central bore with a diameter of $\varnothing 40$ and a central hole with a diameter of $\varnothing 10$. The hub is divided into four quadrants by a cross-shaped structure. The dimensions are as follows:

- Overall diameter: $\varnothing 100$
- Outer diameter of the hub: $\varnothing 60$
- Inner diameter of the hub: $\varnothing 40$
- Central hole diameter: $\varnothing 10$
- Hub thickness: 10
- Hub width: 20
- Hub height: 10
- Hub depth: 10

The drawing is labeled with the following numbers:

- 1: Hub
- 2: Rim
- 3: Tire
- 4: Axle

PIN	WIRE COLOR
1	BN
2	WH
3	BU
4	BK
5	GY

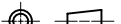


MOLEX P/N	ENG No.	L+Tol.[mm]
1200808006	8W4031P03M050	5000+165
1200808007	8W5031E03M020	2000+56
1200808008	8W5031E03M050	5000+165
1200808010	8W4031P03M020	2000+56
1200808013	8W4031P03M030	3000+89
1200808014	8W4031P03M040	4000+165
1200808022	8W4031P03M006	600+45
1200808152	8W4031P03M010	1000+56

CABLE TYPE	NO. OF WIRES	CROSS SECTION	CABLE JACKET	UL	CSA	STATIC: TEMP. / BENDING RADIUS	DYNAMIC: TEMP. / BENDING RADIUS
E03	5	0.34mm ²	PVC BLACK	UL 2464/1729	C22.2 I/II A/B 80°/300V	-30°C to +80°C, 10xO.D.	-10°C to +80°C, 15xO.D.
P03	4	0.34mm ²	PUR / PVC BLACK	-	-	-30°C to +80°C, 7xO.D.	-5°C to +80°C, 15xO.D.

9	1	LABEL	VINYL	YELLOW
8	1	COUPLING NUT	BRASS	Ni-PLATED
7	1	GASKET	FPM	RED
6	4/5	FEMALE CONTACT	BRASS	Au OVER Ni-PLATED
5	1	INSERT FEMALE 4/5 POLE	TPU	BLACK
4	4/5	MALE CONTACT	BRASS	Au OVER Ni-PLATED
3	1	ULTRALOCK MALE 4/5 POLE ASSEMBLY	-	-
2	-	OVERMOULD	TPU	BLACK
1	-	CABLE	PVC/PUR	BLACK
ITEM	QTY	DESCRIPTION	MATERIAL	COLOR/FINISH

CURRENT RATING: 4-5 CONTACTS 4A
VOLTAGE RATING: 4 CONTACTS 250V
5 CONTACTS 60V
PROTECTION CLASS: IP 67/68/69K
TEMPERATURE: -25°C / +85°C

FUNCTIONAL SYMBOLS DIVISIONAL 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:				molex UL.M12-5P-FE/M-90/ST-XM-PVC PRODUCT CUSTOMER DRAWING					
		mm		2:1											
		GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 703538 DRWN: SSM 2022/03/22 CHK'D: RSILLER 2022/04/22 APPR: RSILLER 2022/04/22									
		ANGULAR TOL ± 1.0°													
4 PLACES		±													
3 PLACES		±		INITIAL REVISION: DRWN: SSM 2022/03/22 APPR: RSILLER 2022/04/22											
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		120080		SEE PART LIST		GENERAL MARKET		1 OF 1	