

Excellent Integrated System Limited

Stocking Distributor

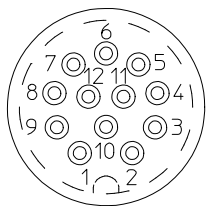
Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Molex Connector Corporation](#)
[1200655099](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

M12 12 POLE FEMALE



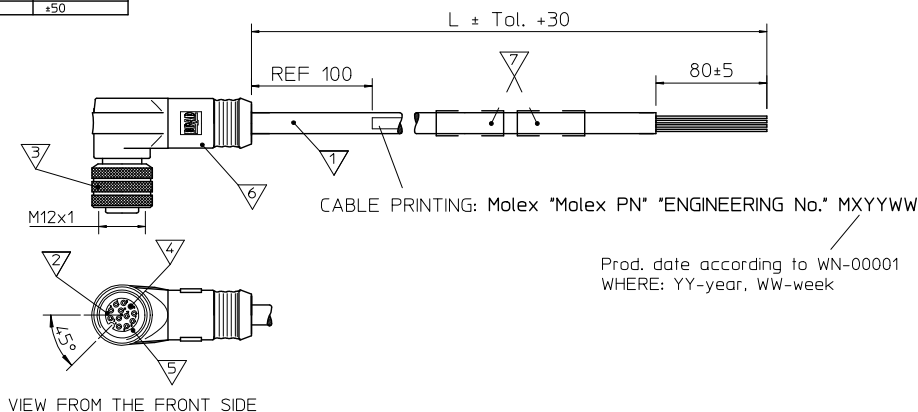
VIEW FROM THE WIRES SIDE

Pin	Wire color
1	WHITE
2	BROWN
3	GREEN
4	YELLOW
5	GREY
6	PINK
7	BLUE
8	RED
9	BLACK
10	VIOLET
11	GREY/PINK
12	RED/BLUE

KLUCZ - PART No MATRIX

8	0	C	0	0	1	H	4	5	M	X	X	X	X	X
8-Micro Change M12 Single Ended		No. of Poles C=12	001-Female 90°			Cable Type H45 - PUR BK 12x0.14mm² UL/CSA			Unit M-Metres F-Feet C-Centimetre	Length 020-2 METRES 050-5 METRES 200-20 METRES			Molding color Blank-Black PUR (Standard) A-Grey Y-Yellow G-Black	
		12				1							6	

Over	Up to and including	Tolerance (+)
0	600	±10
600	1000	+30/-10
1000	5000	±25
5000	20000	±30
20000		±50

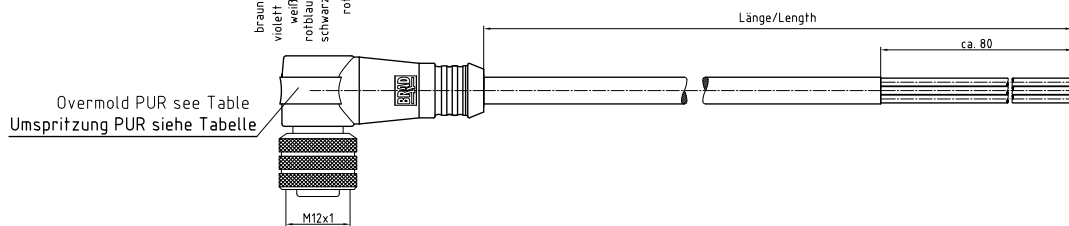


Bill of Materials

ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH
7	2	ID CARRIER	SEE MATRIX	SEE MATRIX
6	-	MOLDING MATERIAL	SEE MATRIX	SEE MATRIX
5	1	O-RING	FPM	RED
4	12	CONTACT FEMALE	SEE MATRIX	SEE MATRIX
3	1	COUPLING NUT FEMALE M12	SEE MATRIX	SEE MATRIX
2	1	INSERT M12 FEMALE	SEE MATRIX	SEE MATRIX
1	-	CABLE 12x0.14mm²	PUR	BLACK

ORIGINAL RELEASE EC NO: IPG2016-0305 DRAWN: AKONDRACI UK 2015/08/13 CHK'D: FGAIK 2015/08/27 APPR: MIWASIECZKO 2015/09/16	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY AKONDRACI UK	DATE 2015/08/13	TITLE CSE M12 12P AC FE 90 XM SE UNSH molex				
			4 PLACES	± ---	± ---	CHECKED BY FGAIK	DATE 2015/08/27					
			3 PLACES	± ---	± ---	APPROVED BY	DATE					
			2 PLACES	± ---	± ---	MIWASIECZKO	2015/09/16					
			1 PLACE	± ---	± ---	MATERIAL NO.						
			0 PLACE	± ---	± ---	ANGULAR ± 1 °		DOCUMENT NO.		SHEET NO.		
			DRAFT WHERE APPLICABLE				SEE MATRIX		SD-120065-003		1 OF 2	
			MUST REMAIN WITHIN DIMENSIONS				SIZE 3 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

Mating Side
Female Cable Connector/
Steckseite
Kabeldose
12-Pol



Allgemeine Kennwerte General Characteristics		Norm Standard	
Polzahl Kontaktanordnung	Number of contacts Contact configuration	IEC 947-5-2	12
Bemessungsspannung	Rated Voltage	IEC 664	30V AC / DC
Verschmutzungsgrad	Pollution Degree	IEC 664	3
Betriebstrom	Current carrying capacity	IEC 512-3 Test 5 b	1,5A
Durchgangswiderstand	Contact Resistance	IEC 512-2 Test 2 a	< 5mOhm
Bemessungsstoßspannung	Rated impulse Withstand Voltage	IEC 664	0,8 kV
Prüfspannung	Test Voltage	IEC 60512-2 Test 4 A	0,5 kV / 60 sec
Isolationswiderstand	Insulation Resistance	IEC 512-2 Test 3 A	> 10 GOhm
IP-Schutzart	IP Degree of Protection	IEC 529	IP 67
Stiftdurchmesser	Pin Diameter		0,6 mm
Werkstoffe Materials	Kontakte Contacts		Kupferlegierung / copper alloy
	Kontaktoberfläche Contacts Plating		Au/Ni
	Kontaktträger Dielectric Material		PUR
	Gehäuse (Umspritzung) Housing (Overmold)		PUR
	Dichtung (O-Ring) Gaskets (O-Ring)		VITON
Anschlussart Termination	Schraubhülse Screw Sleeve		CuZn (brass) mit Ni-Oberfläche Nickel Plated
			Crimp
Lebensdauer Life	Kontaktträger Inserts		HB
	Gehäuse (Umspritzung) Housing (Overmold)		HB
	Leitung / Kabel Cable	UL 94	DIN EN265-2-1/UL1581-VW1-Page 95A
Mechanische Lebensdauer Mechanical Operation			100 Steckzyklen/Mating Cycles
Temperaturbereich Temperature Range		IEC 60668-1	-25°C / +90°C

SAP-Nummer SAP-Number	Engineering Nr.:	Umspritzungsfarbe Overmold Color	Länge Length
1200655099	80C001H45M020	yellow	2M
1200655100	80C001H45M040	yellow	4M
1200655101	80C001H45M050	yellow	5M
1200655102	80C001H45M060	yellow	6M
1200655103	80C001H45M100	yellow	10M
1200655104	80C001H45M020G	black	2M
1200655105	80C001H45M040G	black	4M
1200655106	80C001H45M050G	black	5M
1200655107	80C001H45M060G	black	6M
1200655108	80C001H45M100G	black	10M

(...) Dim. for information
(...) Informationsmaß

BU/ BLUE WH/ WHITE GN/ GREEN GY/ GREY PK/ PINK YE/ YELLOW RD/ RED BK/ BLACK VT/ VIOLET BN/ BROWN	bl/ blau ws/ weiß gn/ grün gr/ grau rs/ rosa ge/ gelb rt/ rot sw/ schwarz vi/ violett bn/ braun
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QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	FIRST ANGLE PROJECTION	
▽ = 0		mm		MM		2:1	METRIC	M12-12P-BU-W-PUR-XM	
◇ = 0		INCH		LS		2008/10/07		----	
		4 PLACES ± 0.05		CHECKED BY		DATE		----	
		3 PLACES ± 0.05		US		2008/11/06		----	
		2 PLACES ± 0.10		APPROVED BY		DATE		M12-12P-BU-W-PUR-XM	
		1 PLACE ± 0.10		MATERIAL NO.				MOLEX INCORPORATED	
		ANGULAR ± 0.10		DOCUMENT NO.				SD-80C001H45MXXX	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE				1 OF 1	
				A2				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	