

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [1200655044](#)  
**Status:** **Active**  
**Overview:** [microchange\\_m12\\_connectors](#)  
**Description:** Micro-Change® (M12) Single-Ended Cordset, Female - Pigtail, Right Angle, 4 Poles, Length 4.0m (13.12'), A-size (7/8" - 16 UN-2A), PUR Cable Preferred Verion in Europe

**Documents:**

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**General**

Product Family	Industrial Cordsets
Series	120065
Connector End A	Micro-Change® (M12)
Connector End B	Pigtail
IP Rating	IP67
NEMA Rating	NEMA 6
Overview	<a href="#">microchange_m12_connectors</a>
Product Name	Micro-Change® (M12)
Type	Single Ended

**Physical**

Cable Diameter	5.80mm (.230")
Cable Length	10.0m (32.81' )
Color - Cable Jacket	Yellow
Coupling Style	Threaded
Gender	Female-Pigtail
Keyway	Single
LED Indicator	No
Material - Cable Jacket	PUR
Material - Connector Body	PUR
Material - Contact	Copper
Material - Coupling Nut	Nickel-plated Brass
Material - O-Ring	Viton
Material - Plating Mating	Gold over Nickel
Orientation	Straight
Poles	12
Temperature Range - Operating	-25°C to +90°C
Wire Size AWG	22
Wire/Cable Type	UL 2661

**Electrical**

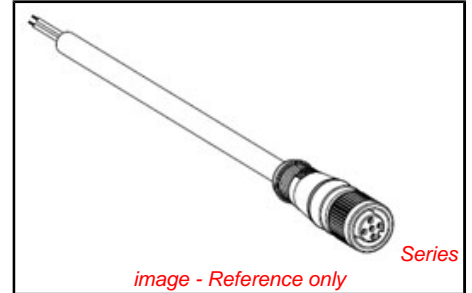
Current - Maximum per Contact	4A
Voltage - Maximum	250V AC/DC

**Material Info**

Old Part Number	80C000H45M100
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**Reference - Drawing Numbers**

Sales Drawing	SD-80C000H45MXXX
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**EU RoHS**  
**ELV and RoHS**  
**Compliant**  
**REACH SVHC**  
**Not Reviewed**  
**Halogen-Free**  
**Status**  
**Not Reviewed**

**China RoHS**



**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

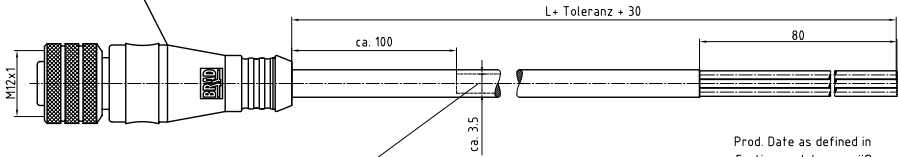
Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**  
[120065Series](#)

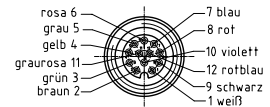
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13 12 11 10 9 8 7 6 5 4 3 2 1

Overmold PUR see Table  
Umspritzung PUR siehe Tabelle



Mating Side  
Female Cable Connector/  
Steckseite  
Kabeldose  
12-Pol



Kabelbedruckung: Woodhead Connectivity GmbH 80C000H45MXXX X..  
Cable printing:

Prod. Date as defined in  
Fertigungsdatum gemäß  
WN 00001 aufdrucken

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
Betriebsstrom	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
Schraubhülse Screw Sleeve			CuZn (brass) mit Ni-Oberfläche Nickel Plated
Anschlussart Termination			Crimp
Brenn- barkeit Flamm- ability	Kontaktträger Inserts	UL 94	HB
	Gehäuse (Umspritzung) Housing (Overmold)		HB
Brenn- barkeit Flamm- ability	Leitung / Kabel Cable		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
1200655040	80C000H45M020	yellow	2M
1200655041	80C000H45M040	yellow	4M
1200655042	80C000H45M050	yellow	5M
1200655043	80C000H45M060	yellow	6M
1200655044	80C000H45M100	yellow	10M
1200655052	80C000H45M020G	black	2M
1200655053	80C000H45M040G	black	4M
1200655054	80C000H45M050G	black	5M
1200655055	80C000H45M060G	black	6M
1200655056	80C000H45M100G	black	10M

Toleranzen Maß L: sichtbare Kabellänge bei M8, M12 und M12U	
von 0 bis 0,6 m:	±10 mm
über 0,6 bis 1 m:	+30 / -10 mm
über 1 bis 5 m:	±25 mm
über 5 bis 20 m:	±30 mm
über 20 m:	±50 mm

BU/ BLUE	bl/ blau
WH/ WHITE	ws/ weiß
GN/ GREEN	gn/ grün
GY/ GREY	gr/ grau
PK/ PINK	rs/ rosa
YE/ YELLOW	ge/ gelb
RD/ RED	rt/ rot
BK/ BLACK	sw/ schwarz
VT/ VIOLET	vi/ violett
BN/ BROWN	bn/ braun

DESCRIPTION EC NO.: WEU2009-0137 DRWINLSTEMLE 2008/07/22 CHKDLS 2008/11/06 APPROLSAEUFIE 2008/11/26	QUALITY SYMBOLS ▽ = 0 ▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± ---- ± ---- 3 PLACES ± ---- ± ---- 2 PLACES ± 0.05 ± ---- 1 PLACE ± 0.1 ± ---- ANGULAR ± ---- °	DIMENSION STYLE MM	SCALE 2:1	DESIGN UNITS METRIC	FIRST ANGLE PROJECTION
			DRAWN BY DATE LS 2008/07/22	CHECKED BY DATE US 2008/11/06	M12-12P-BU-Z-PUR-XM	
2		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO. see table	DOCUMENT NO. SD-80C000H45MXXX	MOLEX INCORPORATED	
			SIZE A2	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SHEET NO. 1 OF 1

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

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