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Part Number: [1200705139](#)
Status: **Active**
Overview: [microchange_m12_connectors](#)
Description: Micro-Change® (M12) Male Receptacle with Flange, 8 Poles Solder Pin, PCBMount

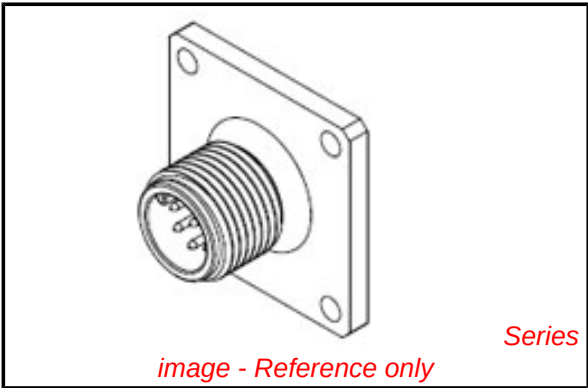
Documents:
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General	
Product Family	Industrial Receptacles
Series	120070
IP Rating	IP67
Overview	microchange_m12_connectors
Product Name	Micro-Change® (M12)
Type	PCB Mount
Physical	
Coupling Type	External Thread
Gender	Male
Keyway	Single
Length	N/A
Material - Component	Nickel-plated Brass
Mounting Thread Size	N/A
Orientation	Straight
Panel Mount	N/A
Poles	8
Temperature Range - Operating	-40°C to +125°C
Wire Size AWG	N/A
Wire/Cable Type	N/A

Electrical	
Current - Maximum per Contact	8A
Voltage - Maximum	30V AC / 36V DC

Material Info	
Old Part Number	0912 083GM 05000

Reference - Drawing Numbers	
Sales Drawing	SD-120070-002



EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Not Reviewed
Halogen-Free
Status
Not Reviewed

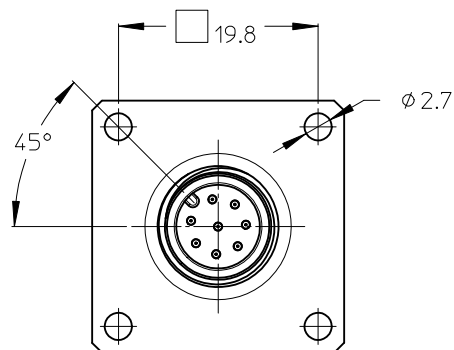
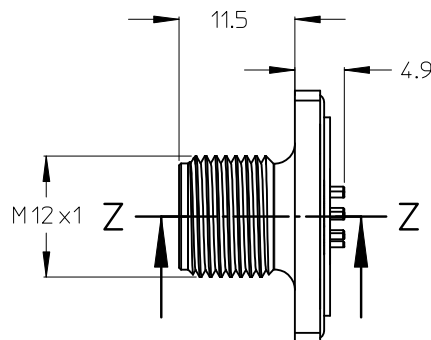
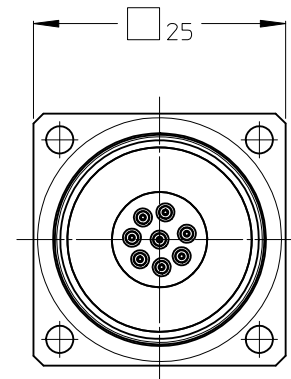
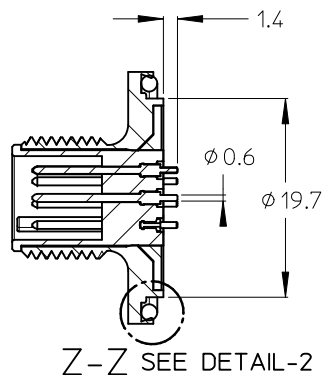
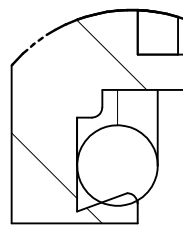
China RoHS



Need more information on product environmental compliance?
Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, [click here](#)
Please visit the [Contact Us](#) section for any non-product compliance questions.

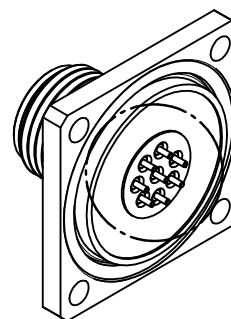
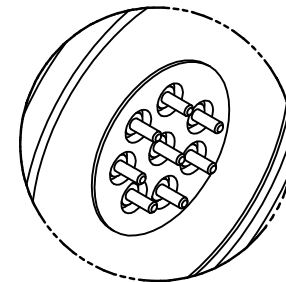
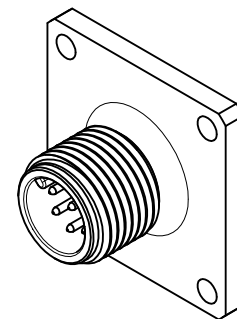
Search Parts in this Series
[120070Series](#)

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DETAIL-2
SCALE 10:1

Engineering Number:
0912 083GM 05000



TECHNICAL DATA:

M12 8pole flange solder Version with solderpins.
The bottom and the drills are equivalent to
M23 flange housing.

poles: 8

coding: type A

nominal voltage: 30VAC / 36VDC

max current: 3A

contact resistance: < 5m Ohms

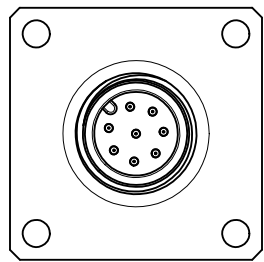
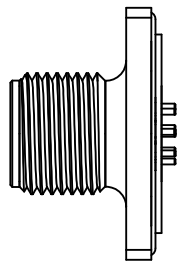
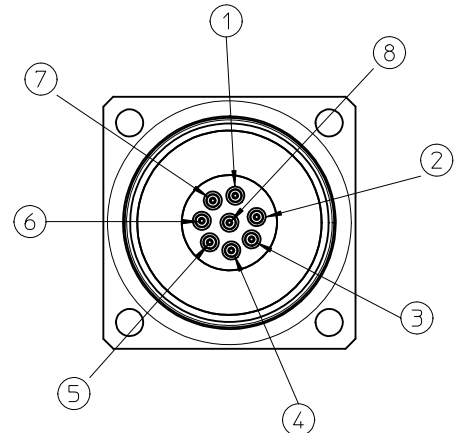
test voltage 1,4KV / 60 sec.

insulation withstand: > 1G Ohm

IP Degree of protection: IP67 in connection area

Temperatutre range: -40 to 125°C

ENTER DESCRIPTION EC NO: WEU2010-0369 DRWN:STAUDIGEL 2010/02/16 CHKD:FPACHER 2010/02/20 APPR:FPACHER 2010/02/24	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
			mm	INCH	DRAWN BY NSTAUDIGEL	DATE 2010/02/16	TITLE M12 8P FLANGE M23 SQUARE SOLDER PIN PCB MOUNT					
			4 PLACES	± ---	± ---	CHECKED BY	DATE					
			3 PLACES	± ---	± ---							
			2 PLACES	± 0.05	± ---							
			1 PLACE	± 0.1	± ---	MOLEX MOLEX INCORPORATED						
			ANGULAR ± 1 °		APPROVED BY FPACHER							
4	REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO. 1200705139		DOCUMENT NO. SD-120070-002				SHEET NO. 1 OF 2			
			SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								



ELECTRICAL INTERCONNECTION DATA

For the electrical interconnection by single threads or wires the minimum air- and creeping distances MUST NOT BE EXCEEDED. These are the basement data according to IEC 60664.

GENERAL:

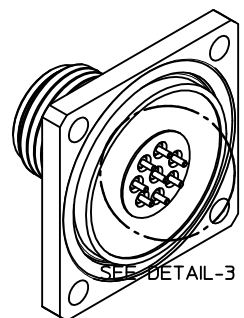
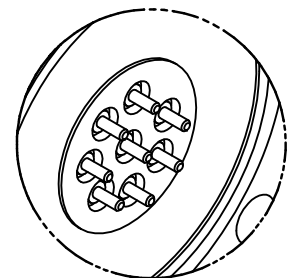
nominal voltage: 30VAC / 36VDC
rated impulse voltage: 0,8 kV
CTI value: >600

FRONTEND:

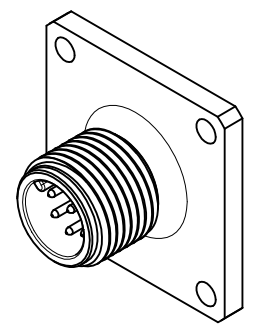
overvoltage category: III
pollution degree: III
minimum air distance: 0,8 mm
minimum creeping dist.: 1,3 mm

BACKEND:

overvoltage category: III
pollution degree: III
minimum air distance: 0,8 mm
minimum creeping dist.: 1,3 mm



DETAIL-3
SCALE 4:1



ENTER DESCRIPTION EC NO: WEU2010-0369 DRWN:NSTAUDIGEL 2010/02/16 CHKD:FPACHER 2010/02/20 APPR:FPACHER 2010/02/24				DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
							mm	INCH	DRAWN BY NSTAUDIGEL	DATE 2010/02/16	TITLE M12 8P FLANGE M23 SQUARE SOLDER PIN PCB MOUNT			
						4 PLACES	± ---	± ---	CHECKED BY	DATE				
						3 PLACES	± ---	± ---	APPROVED BY	DATE	MOLEX INCORPORATED			
						2 PLACES	± 0.05	± ---	FPACHER	2010/02/19				
						1 PLACE	± 0.1	± ---	MATERIAL NO. 1200705139		DOCUMENT NO. SD-120070-002		SHEET NO. 2 OF 2	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										