

## Receptacle, M12, male, straight, 4 poles, L-coded, front wall-mounting, wire contact, POWER









Item descriptionPL-FVM12SU4-0,2M16/S5015Item-No.8087069Customs tariff-No.8544290Packaging unit5Step-FilePL-FVM12SU4-m_M16.stpEAN4047106257125Specialmole,straight,M12Connectormale,straight,M12Number of pins4CodingLRated voltage53%cCurrent load oper pin (at 40°C)16ÅContact materialsamQAmbient temperature productsamQContact-carrier material90°CContact-carrier materialFortu-All-carlier MetalSpecific ferendingFortu-All-carlier MetalSourg (ferending material920°CMunding directionPlastic, PA, BKMounting directionFortu-All-carlier MetalSourg (ferending material0.20mMounting direction0.20mVire length0.20mVire length4.15 mm²Vire lordsBN, VH, BU, BKVire lordsNu Hau, StanVire lordsNu Hau, StanVire lordsMater, Stan	Product data	
Custom stariff-No.85444290Packaging unit5Step-FilePL-FVM12SU4-m_M16.stpEAN4047106257125SpecialPNO compliantTechnical datamale, straight, M12Number of pins4Connectormale, straight, M12Number of pins4CodingLRated voltage63VocCurrent load per pin (at 40°C)16AResistance-30°C+90°CContact materialPlastic, PA, BKReceptacle housing materialMetal, CuZn, gold-platedContact materialFPMKKMMounting (ifemale) materialFPMKKMMounting (iferdionS0°mWire length0.20mWire corsos ection8N, WH, BU, BKWire insulation materialNW, HU, BKWire insulation materialPVC	Item description	PL-FVM12SU4-0,2/M16/S5015
Packaging unit5Packaging unit5Step-FilePL-FVM12SU4-m_M16.stpEAN4047106257125SpecialPN0 compliant <b>Technical data</b> male, straight, M12Number of pins4CodingLRated voltage63VocCurrent load per pin (at 40°C)16AResistances3mQAmbient temperature product-30°C490°CContact materialMetal, CuZn, gold-platedContact-carrier materialFPM/FKMReceptacle housing materialFPM/FKMMounting directionFront wall-mounting (without fixing screw)Wire length0.20mWire corss-sectionBN, WH, BU, BKWire insulation materialFVC	Item-No.	8087069
Step-FilePL-FVM12SU4-m_M16.stpEAN4047106257125SpecialPNO compliantTechnical datamale, straight, M12Connectormale, straight, M12Number of pins4CodingLRated voltage63VocCurrent load per pin (at 40°C)16AResistance-30°C+90°CContact materialMetal, CuZn, gold-platedContact-carrier materialMetal, CuZn, nickel-platedSeeing (female) materialFPM/FKMMounting directionFront wall-mounting (without fixing screw)Wire length0.20mWire cross-sectionMaty St. Sma²Wire insulation materialPVC	Customs tariff-No.	85444290
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SpecialPNO compliantTechnical dataConnectormale, straight, M12Number of pins4CodingLRated voltage63VocCurrent load per pin (at 40°C)16AResistance $< 3mQ$ Ambient temperature product $-30^{\circ}C+90^{\circ}C$ Contact materialMetal, CuZn, gold-platedContact-carrier materialMetal, CuZn, nickel-platedSealing (female) materialFPM/FKMMounting directionFront wall-mounting (without fixing screw)Wire loops0.20mWire colorsN, WH, BU, BKWire insulation materialPVC	Step-File	PL-FVM12SU4-m_M16.stp
Technical dataConnectormale, straight, M12Number of pins4CodingLRated voltage63VocCurrent load per pin (at 40°C)16AResistance≤ 3mQAmbient temperature product-30°C+90°CContact materialMetal, CuZn, gold-platedContact-carrier materialPlastic, PA, BKReceptacle housing materialFPM/FKMMounting directionFront wall-mounting (without fixing screw)Wire length0.20mWire colorsBN, WH, BU, BKWire insulation materialPVC	EAN	4047106257125
Connectormale, straight, M12Number of pins4CodingLRated voltage $3V_{\rm C}$ Current load per pin (at 40°C)16AResistance $<3m\Omega$ Ambient temperature product $-30^{\circ}C+90^{\circ}C$ Contact materialMetal, CuZn, gold-platedContact-carrier materialMetal, CuZn, nickel-platedSealing (female) materialFPM/FKMMounting direction0.20mWire length0.20mWire colorsNN, WH, BU, BKWire insulation materialPVC	Special	PNO compliant
Number of pins4CodingLRated voltage63VocCurrent load per pin (at 40°C)16AResistance≤ 3mQAmbient temperature product-30°C+90°CContact materialMetal, CuZn, gold-platedContact-carrier materialMetal, CuZn, nickel-platedReceptacle housing materialFPM/FKMMounting directionFront wall-mounting (without fixing screw)Wire length0.20mWire colorsBN, WH, BU, BKWire ross-section4 x 1.5 mm²Wire insulation materialPVC	Technical data	
CodingLRated voltage63V∞Current load per pin (at 40°C)16AResistance≤3mΩAmbient temperature product-30°C+90°CContact materialMetal, CuZn, gold-platedContact-carrier materialMetal, CuZn, nickel-platedReceptacle housing materialFPM/FKMMounting directionFront wall-mounting (without fixing screw)Wire length0.20mWire colorsBN, WH, BU, BKWire colorsYVC	Connector	male, straight, M12
Rated voltage63VocCurrent load per pin (at 40°C)16AResistance≤ 3mΩAmbient temperature product-30°C+90°CContact materialMetal, CuZn, gold-platedContact-carrier materialPlastic, PA, BKReceptacle housing materialMetal, CuZn, nickel-platedSealing (female) materialFPM/FKMMounting direction0.20mVire length0.20mWire colorsBN, WH, BU, BKWire insulation material4 x 1.5 mm²Vire insulation materialPVC	Number of pins	4
AccessEncodeCurrent load per pin (at 40°C)16AResistance≤ 3mΩAmbient temperature product-30°C+90°CContact materialMetal, CuZn, gold-platedContact-carrier materialPlastic, PA, BKReceptacle housing materialMetal, CuZn, nickel-platedSealing (female) materialFPM/FKMMounting direction0.20mWire colorsBN, WH, BU, BKWire cross-section4 x 1.5 mm²Wire insulation materialPVC	Coding	L
Resistance≤ 3mΩAmbient temperature product-30°C+90°CContact materialMetal, CuZn, gold-platedContact-carrier materialPlastic, PA, BKReceptacle housing materialMetal, CuZn, nickel-platedSealing (female) materialFPM/FKMMounting directionFront wall-mounting (without fixing screw)Wire length0.20mWire colorsBN, WH, BU, BKWire cross-section4 x 1.5 mm²Wire insulation materialPVC	Rated voltage	63Vbc
Ambient temperature product-30°C+90°CContact materialMetal, CuZn, gold-platedContact-carrier materialPlastic, PA, BKReceptacle housing materialMetal, CuZn, nickel-platedSealing (female) materialFPM/FKMMounting directionFront wall-mounting (without fixing screw)Wire length0.20mWire colorsBN, WH, BU, BKWire cross-section4 x 1.5 mm²Wire insulation materialPVC	Current load per pin (at 40°C)	16A
Contact materialMetal, CuZn, gold-platedContact-carrier materialPlastic, PA, BKReceptacle housing materialMetal, CuZn, nickel-platedSealing (female) materialFPM/FKMMounting directionFront wall-mounting (without fixing screw)Wire length0.20mWire colorsBN, WH, BU, BKWire cross-section4 x 1.5 mm²Wire insulation materialPVC	Resistance	≤ 3mΩ
Contact-carrier materialPlastic, PA, BKReceptacle housing materialMetal, CuZn, nickel-platedSealing (female) materialFPM/FKMMounting directionFront wall-mounting (without fixing screw)Wire length0.20mWire colorsBN, WH, BU, BKWire cross-section4 x 1.5 mm²Wire insulation materialPVC	Ambient temperature product	-30°C+90°C
Receptacle housing materialMetal, CuZn, nickel-platedSealing (female) materialFPM/FKMMounting directionFront wall-mounting (without fixing screw)Wire length0.20mWire colorsBN, WH, BU, BKWire cross-section4 x 1.5 mm²Wire insulation materialPVC	Contact material	Metal, CuZn, gold-plated
Sealing (female) materialFPM/FKMMounting directionFront wall-mounting (without fixing screw)Wire length0.20mWire colorsBN, WH, BU, BKWire cross-section4 x 1.5 mm²Wire insulation materialPVC	Contact-carrier material	Plastic, PA, BK
Mounting directionFront wall-mounting (without fixing screw)Wire length0.20mWire colorsBN, WH, BU, BKWire cross-section4 x 1.5 mm²Wire insulation materialPVC	Receptacle housing material	Metal, CuZn, nickel-plated
Wire length0.20mWire colorsBN, WH, BU, BKWire cross-section4 x 1.5 mm²Wire insulation materialPVC	Sealing (female) material	FPM/FKM
Wire colorsBN, WH, BU, BKWire cross-section4 x 1.5 mm²Wire insulation materialPVC	Mounting direction	Front wall-mounting (without fixing screw)
Wire cross-section4 x 1.5 mm²Wire insulation materialPVC	Wire length	0.20m
Wire insulation material PVC	Wire colors	BN, WH, BU, BK
	Wire cross-section	4 x 1.5 mm <sup>2</sup>
Fastening thread M16x1.5	Wire insulation material	PVC
	Fastening thread	M16x1.5



Connecting type	Wire contact
Standards	IEC 61076-2-111
Degree of protection (mounted)	IP65, IP67, IP68
Mechanical life-cycle	>100 mating cycles
Degree of pollution	3
Style	straight

## Derating curve according to DIN 60512-5-2



1: Base curve

2: Derived curve according to DIN 60512-5-2 with correction factor 0,8

Classification	
eCl@ss 6.0	27279220
eCl@ss 7.0	27440103
eCl@ss 8.0	27440103
eCl@ss 9.0	27440103
ETIM 5.0	EC002061
ETIM 6.0	EC002061

Link to product

https://www.escha.net/en/products/standard/power-connectors/8087069