

1620344

https://www.phoenixcontact.com/pc/products/1620344

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Cable plug in molded plastic, series: KSM, M40-Socket, Straight, plastic molded, number of positions: 4+3+PE, type of locking: Screw locking mechanism, cable length: 10 m, shielded: yes, color of outer sheath: orange RAL 2003

#### Your advantages

- · Our standard: robust halogen-free PUR cable
- Simple and safe: 100% electrically tested and assembled ready for use
- · Designs with preassembled cables on one or both sides
- · High flexibility: customer-specific assemblies and cable lengths can be supplied

#### Commercial data

Item number	1620344
Packing unit	1 pc
Minimum order quantity	2 pc
Note	Made to order (non-returnable)
Product key	ABRDIA
Catalog page	Page 225 (C-2-2019)
GTIN	4046356833554
Weight per piece (including packing)	7,996 g
Weight per piece (excluding packing)	7,886.745 g
Customs tariff number	85444290
Country of origin	DE



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### Technical data

#### Notes

Notes on operation	Observe derating curve.		
Safety note			
Safety note	WARNING: The connectors may not be plugged in or disconnected under load. Ignoring the warning or improper use may damage persons and/or property.		
	<ul> <li>WARNING: Commission properly functioning products only.</li> <li>The products must be regularly inspected for damage.</li> <li>Decommission defective products immediately. Replace damaged products. Repairs are not possible.</li> </ul>		
	WARNING: Only electrically qualified personnel may install and operate the product. They must observe the following safety notes. The qualified personnel must be familiar with the basics of electrical engineering. They must be able to recognize and prevent danger. The relevant symbol on the packaging indicates that only personnel familiar with electrical engineering are allowed to install and operate the product.		
	<ul> <li>The products are suitable for applications in plant, controller, and electrical device engineering.</li> </ul>		
	<ul> <li>When operating the connectors in outdoor applications, they must be separately protected against environmental influences.</li> </ul>		
	<ul> <li>Assembled products may not be manipulated or improperly opened.</li> </ul>		
	<ul> <li>Only use mating connectors that are specified in the technical data of the standards listed (e.g. the ones listed in the product accessories online at phoenixcontact.com/products).</li> </ul>		
	<ul> <li>When using the product in direct connection with third-party manufacturers, the user is responsible.</li> </ul>		
	<ul> <li>For operating voltages &gt; 50 V AC, conductive connector housings must be grounded</li> </ul>		
	<ul> <li>Ensure that the protective or functional ground has been properly connected.</li> </ul>		
	<ul> <li>VDE 0100/1.97 § 411.1.3.2 and DIN EN 60 204/11.98 § 14.1.3 are applicable when combining several circuits in a cable and/or connector</li> </ul>		
	Only use tools recommended by Phoenix Contact		
	<ul> <li>The installation notes/Design In documents online on the download page at phoenixcontact.com/products must be observed for this product.</li> </ul>		
	<ul> <li>Operate the connector only when it is fully plugged in and interlocked.</li> </ul>		
	<ul> <li>Ensure that when laying the cable, the tensile load on the connectors does not exceed the upper limit specified in the standards.</li> </ul>		
	<ul> <li>Observe the minimum bending radius of the cable. Lay the cable without twisting it.</li> </ul>		
	<ul> <li>The connector warms up in normal operation. Depending on the ambient conditions, the surface of the connector can continue to warm up. In this case, the user is responsible for posting</li> </ul>		



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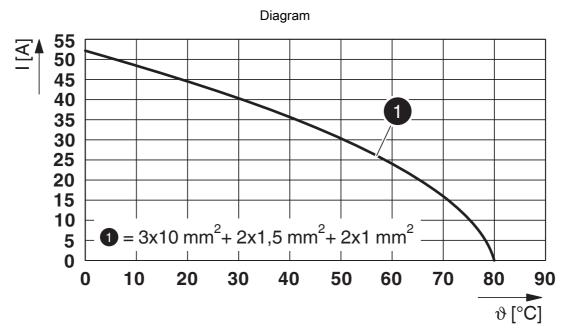
amanagement status  actor  ac	ct properties	
Interctor specifications  Type Straight, plastic molded  Thread type M40  Type of locking Screw locking mechanism  Degree of protection IP67, when in locked state  No. of pos. 4+3+PE  Direction of rotation Standard  Contact switching type Socket  Insertion/withdrawal cycles So  Contact resistance < 0.3 mΩ  Max. current 70 A  Voltage 630 V  Degree of pollution 3  Rated surge voltage Ambient temperature (operation) 40 °C 105 °C  Dele specifications  Cable type PSLC11Y-J  Shielded yes  Cable structure (AWG) 8 AWG/4c + 16 AWG/1pr + 18 AWG/1pr  External cable diameter  Duter sheath, material PUR  Material wire insulation TPM  Catled current PM  Normal Smallest bending radius, movable installation 202 mm	Product type	Signal and power cable
Article revision  nector  nector  nector  nector specifications  Type Straight, plastic molded  Thread type M40  Type of locking Screw locking mechanism  Degree of protection IP67, when in locked state  No. of pos. 4+34-PE  Direction of rotation Standard  Contact switching type Socket  Insertion/withdrawal cycles  Contact resistance < 0.3 mΩ  Max. current 70 A  Voltage 630 V  Overvoltage category IIII  Degree of pollution 3  Rated surge voltage 6 kV  Ambient temperature (operation) 4-0 °C 105 °C  sable specifications  Cable type PSLC11Y-J  Shielded yes  Cable structure (AWG) 8 AWG/4c + 16 AWG/1pr + 18 AWG/1pr  External cable diameter 20.10 mm  Outer sheath, material PUR  External cable diameter 20.10 mm  External sheath, color orange RAL 2003  Nominal voltage, cable  Rated current 61 A  Smallest bending radius, movable installation 202 mm	ata management status	
Type Straight, plastic molded Thread type M40 Thread type Screw locking mechanism Degree of protection IP67, when in locked state No. of pos. 4+3+PE Direction of rotation Standard Contact switching type Socket Insertion/withdrawal cycles 50 Contact resistance < 0.3 mΩ Max. current 70 A Voltage 630 V Overvoltage category III Degree of pollution 3 Rated surge voltage 6kV Ambient temperature (operation) 40 °C 105 °C  able specifications Cable type PSLC11Y~J Shielded yes Cable structure (AWG) 8 AWG/4c + 16 AWG/1pr + 18 AWG/1pr External cable diameter 20.10 mm Material wire insulation TPM External sheath, color orange RAL 2003 Nominal voltage, cable Rated current 61 A Smallest bending radius, movable installation 202 mm		06
Type Straight, plastic molded Thread type M40 Thread type Screw locking mechanism Degree of protection IP67, when in locked state No. of pos. 4+3+PE Direction of rotation Standard Contact switching type Socket Insertion/withdrawal cycles 50 Contact resistance < 0.3 mΩ Max. current 70 A Voltage 630 V Overvoltage category III Degree of pollution 3 Rated surge voltage 6kV Ambient temperature (operation) 40 °C 105 °C  able specifications Cable type PSLC11Y-J Shielded yes Cable structure (AWG) 8 AWG/4c + 16 AWG/1pr + 18 AWG/1pr External cable diameter 20.10 mm Material wire insulation TPM External sheath, color orange RAL 2003 Nominal voltage, cable Rated current 61 A Smallest bending radius, movable installation 202 mm		
Thread type Type of locking Screw locking mechanism Degree of protection IP67, when in locked state No. of pos. 4+3+PE Direction of rotation Standard Contact switching type Socket Insertion/withdrawal cycles 50 Contact resistance < 0.3 mΩ Max. current 70 A Voltage 630 V Overvoltage category III Degree of pollution Rated surge voltage Ambient temperature (operation)  Abient specifications Cable type PSLC11Y-J Shielded yes Cable structure 4 x 10 mm² + 2 x 1.5 mm² StC + 2 x 1 mm² StC Cable structure (AWG) External cable diameter Outer sheath, material PUR Material wire insulation TPM External sheath, color Nominal voltage, cable Rated current 61 A Smallest bending radius, movable installation 202 mm	nnector	
Type         Straight, plastic molded           Thread type         M40           Type of locking         Screw locking mechanism           Degree of protection         IP67, when in locked state           No. of pos.         4+3+PE           Direction of rotation         Standard           Contact switching type         Socket           Insertion/withdrawal cycles         50           Contact resistance         < 0.3 mΩ           Max. current         70 A           Voltage         630 V           Overvoltage category         III           Degree of pollution         3           Rated surge voltage         6 kV           Ambient temperature (operation)         -40 °C 105 °C           able specifications         PSLC11Y-J           Shielded         yes           Cable type         PSLC11Y-J           Shielded         yes           Cable structure (AWG)         8 AWG/4c + 16 AWG/1pr + 18 AWG/1pr           External cable diameter         20.10 mm           Outer sheath, material         PUR           Material wire insulation         TPM           External sheath, color         orange RAL 2003           Nominal voltage, cable         1000 V <td>onnector specifications</td> <td></td>	onnector specifications	
Type of locking  Degree of protection  Degree of protection  No. of pos.  4+3+PE  Direction of rotation  Contact switching type  Insertion/withdrawal cycles  Contact resistance  Avanage  Max. current  Voltage  Overvoltage category  Degree of pollution  Rated surge voltage  Ambient temperature (operation)  Able specifications  Cable type  PSLC11Y-J  Shielded  yes  Cable structure  Av 10 mm² + 2 x 1.5 mm² StC + 2 x 1 mm² StC  Cable structure (AWG)  External cable diameter  Outer sheath, material  Material wire insulation  Fated current  Avanage  Fated current  Avanage  Fated current  Avanage  Fated current  Avanage  Fated current  Fated current		Straight, plastic molded
Type of locking       Screw locking mechanism         Degree of protection       IP67, when in locked state         No. of pos.       4+3+PE         Direction of rotation       Standard         Contact switching type       Socket         Insertion/withdrawal cycles       50         Contact resistance       < 0.3 mΩ	Thread type	
No. of pos.       4+3+PE         Direction of rotation       Standard         Contact switching type       Socket         Insertion/withdrawal cycles       50         Contact resistance       < 0.3 mΩ		Screw locking mechanism
Direction of rotation       Standard         Contact switching type       Socket         Insertion/withdrawal cycles       50         Contact resistance       < 0.3 mΩ		IP67, when in locked state
Direction of rotation       Standard         Contact switching type       Socket         Insertion/withdrawal cycles       50         Contact resistance       < 0.3 mΩ		4+3+PE
Insertion/withdrawal cycles  Contact resistance  Ax. current  70 A  Voltage  630 V  Overvoltage category  III  Degree of pollution  3  Rated surge voltage  Ambient temperature (operation)  Cable type  PSLC11Y-J  Shielded  yes  Cable structure  4 x 10 mm² + 2 x 1.5 mm² StC + 2 x 1 mm² StC  Cable structure (AWG)  8 AWG/4c + 16 AWG/1pr + 18 AWG/1pr  External cable diameter  Outer sheath, material  Material wire insulation  FUR  Material wire insulation  TPM  External sheath, color  Nominal voltage, cable  Rated current  Smallest bending radius, movable installation  50  4 0 °C 105 °C  4 × 10 mm² + 2 × 1.5 mm² StC + 2 × 1 mm² StC  20.10 mm  TPM  Outer sheath, material  PUR  Rated current  61 A  Smallest bending radius, movable installation	Direction of rotation	Standard
Contact resistance         < 0.3 mΩ	Contact switching type	Socket
Max. current  Voltage 630 V  Overvoltage category III  Degree of pollution 3  Rated surge voltage 6 kV  Ambient temperature (operation) -40 °C 105 °C  able specifications  Cable type PSLC11Y-J Shielded yes  Cable structure 4 x 10 mm² + 2 x 1.5 mm² StC + 2 x 1 mm² StC  Cable structure (AWG) 8 AWG/4c + 16 AWG/1pr + 18 AWG/1pr  External cable diameter 20.10 mm  Outer sheath, material PUR  Material wire insulation TPM  External sheath, color  Nominal voltage, cable 1000 V  Rated current 61 A  Smallest bending radius, movable installation 202 mm	Insertion/withdrawal cycles	50
Voltage 630 V  Overvoltage category III  Degree of pollution 3  Rated surge voltage 6 kV  Ambient temperature (operation) -40 °C 105 °C  able specifications  Cable type PSLC11Y-J  Shielded yes  Cable structure (AWG) 8 AWG/4c + 16 AWG/1pr + 18 AWG/1pr  External cable diameter 20.10 mm  Outer sheath, material PUR  Material wire insulation TPM  External sheath, color orange RAL 2003  Nominal voltage, cable 1000 V  Rated current 61 A  Smallest bending radius, movable installation 202 mm	Contact resistance	< 0.3 mΩ
Overvoltage category Degree of pollution 3 Rated surge voltage 6 kV Ambient temperature (operation) -40 °C 105 °C  able specifications Cable type PSLC11Y-J Shielded yes Cable structure 4 x 10 mm² + 2 x 1.5 mm² StC + 2 x 1 mm² StC Cable structure (AWG) 8 AWG/4c + 16 AWG/1pr + 18 AWG/1pr External cable diameter 20.10 mm Outer sheath, material PUR Material wire insulation TPM External sheath, color orange RAL 2003 Nominal voltage, cable 1000 V Rated current 61 A Smallest bending radius, movable installation 202 mm	Max. current	70 A
Pegree of pollution Rated surge voltage 6 kV Ambient temperature (operation) -40 °C 105 °C  Able specifications  Cable type PSLC11Y-J Shielded yes Cable structure 4 x 10 mm² + 2 x 1.5 mm² StC + 2 x 1 mm² StC Cable structure (AWG) 8 AWG/4c + 16 AWG/1pr + 18 AWG/1pr External cable diameter 20.10 mm Outer sheath, material PUR Material wire insulation TPM External sheath, color Nominal voltage, cable 1000 V Rated current Smallest bending radius, movable installation 202 mm	Voltage	630 V
Rated surge voltage Ambient temperature (operation) -40 °C 105 °C  able specifications  Cable type PSLC11Y-J Shielded yes  Cable structure 4 x 10 mm² + 2 x 1.5 mm² StC + 2 x 1 mm² StC Cable structure (AWG) 8 AWG/4c + 16 AWG/1pr + 18 AWG/1pr  External cable diameter 20.10 mm Outer sheath, material PUR  Material wire insulation TPM  External sheath, color orange RAL 2003  Nominal voltage, cable 1000 V  Rated current 61 A  Smallest bending radius, movable installation 202 mm	Overvoltage category	III
Ambient temperature (operation)  -40 °C 105 °C  able specifications  Cable type PSLC11Y-J  Shielded yes  Cable structure 4 x 10 mm² + 2 x 1.5 mm² StC + 2 x 1 mm² StC  Cable structure (AWG) 8 AWG/4c + 16 AWG/1pr + 18 AWG/1pr  External cable diameter 20.10 mm  Outer sheath, material PUR  Material wire insulation TPM  External sheath, color orange RAL 2003  Nominal voltage, cable 1000 V  Rated current 61 A  Smallest bending radius, movable installation 202 mm	Degree of pollution	3
Cable type PSLC11Y-J Shielded yes Cable structure 4 x 10 mm² + 2 x 1.5 mm² StC + 2 x 1 mm² StC Cable structure (AWG) 8 AWG/4c + 16 AWG/1pr + 18 AWG/1pr External cable diameter 20.10 mm Outer sheath, material PUR Material wire insulation TPM External sheath, color orange RAL 2003 Nominal voltage, cable 1000 V Rated current 61 A Smallest bending radius, movable installation 202 mm	Rated surge voltage	6 kV
Cable type  Shielded  yes  Cable structure  4 x 10 mm² + 2 x 1.5 mm² StC + 2 x 1 mm² StC  Cable structure (AWG)  8 AWG/4c + 16 AWG/1pr + 18 AWG/1pr  External cable diameter  20.10 mm  Outer sheath, material  PUR  Material wire insulation  TPM  External sheath, color  orange RAL 2003  Nominal voltage, cable  1000 V  Rated current  61 A  Smallest bending radius, movable installation  202 mm	Ambient temperature (operation)	-40 °C 105 °C
Cable type PSLC11Y-J Shielded yes Cable structure 4 x 10 mm² + 2 x 1.5 mm² StC + 2 x 1 mm² StC Cable structure (AWG) 8 AWG/4c + 16 AWG/1pr + 18 AWG/1pr External cable diameter 20.10 mm Outer sheath, material PUR Material wire insulation TPM External sheath, color orange RAL 2003 Nominal voltage, cable 1000 V Rated current 61 A Smallest bending radius, movable installation 202 mm	able specifications	
Shielded  yes  Cable structure  4 x 10 mm² + 2 x 1.5 mm² StC + 2 x 1 mm² StC  Cable structure (AWG)  8 AWG/4c + 16 AWG/1pr + 18 AWG/1pr  External cable diameter  20.10 mm  Outer sheath, material  PUR  Material wire insulation  TPM  External sheath, color  Nominal voltage, cable  1000 V  Rated current  61 A  Smallest bending radius, movable installation  yes  4 x 10 mm² + 2 x 1.5 mm² StC + 2 x 1 mm² StC  4 x 10 mm² + 2 x 1.5 mm² StC + 2 x 1 mm² StC  4 x 10 mm² + 2 x 1.5 mm² StC + 2 x 1 mm² StC  4 x 10 mm² + 2 x 1.5 mm² StC + 2 x 1 mm² StC  4 x 10 mm² + 2 x 1.5 mm² StC + 2 x 1 mm² StC  4 x 10 mm² + 2 x 1.5 mm² StC  4 x 10 mm² + 2 x 1.5 mm² StC  4 x 10 mm² + 2 x 1.5 mm² StC  4 x 10 mm² + 2 x 1.5 mm² StC  4 x 10 mm² + 2 x 1.5 mm² StC  4 x 10 mm² + 2 x 1.5 mm² StC  4 x 10 mm² + 2 x 1.5 mm² StC  20.10 mm  Outer sheath, addition  TPM  External sheath, color  orange RAL 2003  Nominal voltage, cable  202 mm		PSI C11Y-I
Cable structure 4 x 10 mm² + 2 x 1.5 mm² StC + 2 x 1 mm² StC  Cable structure (AWG) 8 AWG/4c + 16 AWG/1pr + 18 AWG/1pr  External cable diameter 20.10 mm  Outer sheath, material PUR  Material wire insulation TPM  External sheath, color orange RAL 2003  Nominal voltage, cable 1000 V  Rated current 61 A  Smallest bending radius, movable installation 202 mm		
Cable structure (AWG)  8 AWG/4c + 16 AWG/1pr + 18 AWG/1pr  External cable diameter  20.10 mm  Outer sheath, material  PUR  Material wire insulation  TPM  External sheath, color  orange RAL 2003  Nominal voltage, cable  1000 V  Rated current  61 A  Smallest bending radius, movable installation  202 mm		4 x 10 mm² + 2 x 1.5 mm² StC + 2 x 1 mm² StC
External cable diameter 20.10 mm  Outer sheath, material PUR  Material wire insulation TPM  External sheath, color orange RAL 2003  Nominal voltage, cable 1000 V  Rated current 61 A  Smallest bending radius, movable installation 202 mm		
Outer sheath, material PUR  Material wire insulation TPM  External sheath, color orange RAL 2003  Nominal voltage, cable 1000 V  Rated current 61 A  Smallest bending radius, movable installation 202 mm	· ,	
Material wire insulation TPM  External sheath, color orange RAL 2003  Nominal voltage, cable 1000 V  Rated current 61 A  Smallest bending radius, movable installation 202 mm		
External sheath, color orange RAL 2003  Nominal voltage, cable 1000 V  Rated current 61 A  Smallest bending radius, movable installation 202 mm		
Nominal voltage, cable 1000 V  Rated current 61 A  Smallest bending radius, movable installation 202 mm	External sheath, color	
Rated current 61 A Smallest bending radius, movable installation 202 mm		
Smallest bending radius, movable installation 202 mm		
	Smallest bending radius, movable installation	
	Ambient temperature (operation) for fixed installation	-40 °C 80 °C
Ambient temperature (operation) for flexible installation -20 °C 60 °C		
	Cable length	10 m
Cable length 10 m		1 <del>-</del> ···



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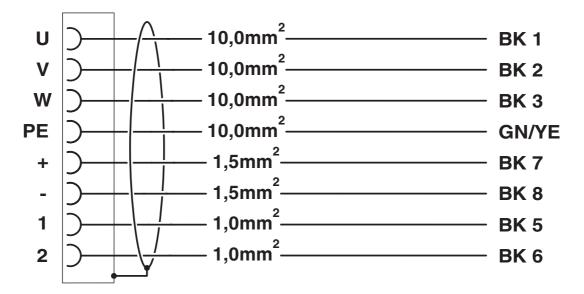
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### **Drawings**



I = current strength, T = ambient temperature

#### Circuit diagram

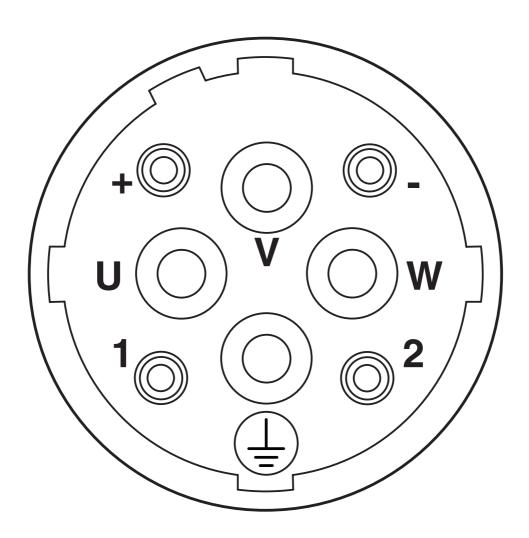




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### Schematic diagram



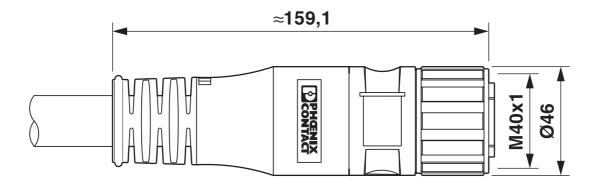
Connector pin assignment



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### Dimensional drawing



Dimensional drawing



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### Classifications

UNSPSC 21.0

#### **ECLASS**

	ECLASS-11.0	27060106		
	ECLASS-12.0	27060106		
	ECLASS-13.0	27060106		
ETIM				
	ETIM 9.0	EC003250		
UNSPSC				

26121600



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### Environmental product compliance

#### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(b), 6(b)-II, 6(c)
China RoHS	
Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
EU REACH SVHC	
REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	101dd3a5-01ec-4607-b75b-0c2119eb0e33

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