



Product: <u>RSU 19-RKU 19-S3792</u> ☑

Life Cycle Status: Obsolete

Replaced by: RSU 19-RKU 19-242

Obsolete | Alternative: RSU 19-RKU 19-242

Product Description

M23 - Double-Ended Cordset: M23 - Male Straight | #Contacts: 19 | M23 - Female Straight | #Contacts: 19 | 120 V / 16x8 A + 3x10 A | Grey PUR Jacket, 19x0.75 mm² (18 AWG), Numeric

Technical Drawing







Technical Specifications

Face View Side 1

Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9	Pin 10	Pin 11	Pin 12	Pin 13	Pin 14	Pin 15	Pin 16	Pin 17	Pin 18	Pin 19
blue # 1	blue # 2	blue # 3	blue # 4	blue # 5	blue # 6	blue # 7	blue # 8	blue # 9	blue # 10	blue # 11	green / yellow	blue # 13	blue # 14	blue # 15	blue # 16	blue # 17	blue # 18	blue # 19

Face View Side 2

F	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9	Pin 10	Pin 11	Pin 12	Pin 13	Pin 14	Pin 15	Pin 16	Pin 17	Pin 18	Pin 19
bl	ue # 1	blue # 2	blue # 3	blue #4	blue # 5	blue # 6	blue # 7	blue # 8	blue # 9	blue # 10	blue # 11	green / yellow	blue # 13	blue # 14	blue # 15	blue # 16	blue # 17	blue # 18	blue # 19

Product Description

Product Family:	Power Connector
Brand:	Lumberg Automation
Connector Type:	Cordset, double ended
Shielding:	Unshielded
Rated Voltage:	125 V
Rated Impulse Voltage:	1.5 kV
Rated Current*:	16 x 8 A (pin-Ø 1 mm), 3 x 10 A (contact-Ø 1.5 mm)

Technical Data Side 1

Pieded SelectionMedia SelectionTotal Selection <th></th> <th></th>		
Concedor DesignedStadit (*) BodyAtachmen Type:Gupling NutNumber of Pins:91910Instant Resistance:10*00Atanda Resistance:10*0010010.0Concoldor Goss Goss10.0 S.Ather Type:3c Sto & St	Product Sub Family:	M23 Power
Attachment Type:Coupling NutAttachment Type:Coupling NutNumber of Pins:19Insulation Resistance:19.90 MinAttachment Resistance:10.00000000000000000000000000000000000	Type of Contact / Gender:	Pin Contact / Male
Numer of Pisce9Numer of Pisce9Numer of Pisce9Numer of Pisce9Ander Resistance:9Orduct Cross Sectio9Numer of Pisce9Ander Temperature (peration)************************************	Connector Design:	Straight (0°) Body
Instalton Resistance 10º0 Poin Instalation Resistance 100 Mang Oydes 100 Conductor Osos Section 100.75mm? Orbertander Section 20:0 to 100.0000000000000000000000000000000000	Attachment Type:	Coupling Nut
Mang Cycles: slo Mang Cycles: slo Odductor Coss Sectio: slo.75mm² Charlier Temperature (byerator): clo Sin	Number of Pins:	19
Conductor Cross Section94 N 2 Smm²Arbiert Temperature (Operation)**2* C to 80 °CProtection Degree // P967Polution Degree // P3co. to DIN EN 60664-1 (VDE 0110-1)Clearance / Creepage Bistance**co. to DIN EN 60664-1 (VDE 0110-1)Clearance / Creepage Distance**ia co. to DIN EN 60664-1 (VDE 0110-1)Clearance / Creepage 	Insulation Resistance:	> 10^9 Ohm
Abbient Temperature (Apperation)*: Construction Abbient Temperature (Apperation)*: cs /c fo /s /s /c /c /s /s /c /c /s /s /c /s	Mating Cycles:	≤ 100
(Operation)*:*** of the of	Conductor Cross Section:	19 x 0.75mm ²
Rating*:I***Polution Degree:Sac: to IN EN 60664-1 (VDE 0110-1)Ciestance/ / Creepageci. to IN EN 60664-1 (VDE 0110-1)Overvolage CalegoviIac: to IN EN 60664-1 (VDE 0110-1)Concad Base MateixPolyule neterphthate (PBT)Concad PateiraOldvor CalegovicConcad Base MateixVolyule neterphthate (PBT)Concad Base MateixVolyule neterphthate (PBT)Concad Base MateixVolyule neterphthate (PBT)Concad Base MateixNie Neterphthate (PBT)Conca		- 25 °C to + 80 °C
Clearance / Creepage ac. to DIN EN 60664-1 (VDE 0110-1) Overvoltage Category: I acc. to DIN EN 60664-1 (VDE 0110-1) Contact Base Material: Polybujene terephthalate (PBT) Contact Plating: Gold over Coxper (Cu/Au) Contact Base Material: Polybujene terephthalate (PBT) Contact Baser Material: Polybujene terephthalate (PBT) Contact Baser Material: Polybujene terephthalate (PBT) Contact Baser Material: Polybujene terephthalate (PBT) Moded Body Material: Polybujene terephthalate (PBT) Molded Body Material: Termoplastic Polyurethane (TPU) Molded Body Material: Biak Earnmability Class (Molde) Biak Contact State Polyurethane (TPU) Biak Attachment Material: Bias (CuT) Attachment Material: Nes (CuT)	Protection Degree / IP Rating**:	IP67
Distance:Back of Direct You ControlOvervoltage Category:I ace. to DIN EN 60664-1 (VDE 0110-1)Contact Base Mateial:Polybutylene terephthalate (PBT)Contact Plating:Gold over Cooper (Gu/Au)Contact Baser Mateial:Polybutylene terephthalate (PBT)Contact Baser Advisia:Polybutylene terephthalate (PBT)Contact Baser OsciWiteFamiphility CalsonDip 4 youMolded Body Mateia:Interpolybutylene terephthalene (TPU)Molded Body Colson:BackFamiphility CalsonDip 4 youMolded Body Colson:BackFamiphility Calson:Dip 4 youKatchment Mateia:Back (Calson)Attachment Plating:Dip 6 youMolded Colson:Back (Calson)Attachment Plating:Dip 6 youMolder Calson:Back (Calson)Mater Materia:Back (Calson)Attachment Plating:Dip 6 youMater Materia:Back (Calson)Mater Materia:Not (Calson)Mater Materia:Dip 6 youMater Materia:Not (Calson)Mater Materia:Not (Calson)Ma	Pollution Degree:	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Contact Base Material:Polybutylene terephthalate (PBT)Contact Plating:Gold over Cocper (Cu/Au)Contact Baser Material:Polybutylene terephthalate (PBT)Contact Baser Color:WiteFammability Class Color:WiteKolded Body Material:In-moplastic Polyurethane (TPU)Nolded Body Color:BackFammability Class Color:U s 4		acc. to DIN EN 60664-1 (VDE 0110-1)
Contact Plaing:SubscriptionContact Plaing:Gold over Copper (Cu/Au)Contact Bearer Material:Polybutylene terephthalate (PBT)Contact Bearer Coor:WhiteFlammability Class (Contact Bearer):U 94 V0Molded Body Material:Thermoplastic Polyurethane (TPU)Molded Body Coor:BickFlammability Class (Molder)BickFlammability Class (Molder)U 94 V0Flammability Class (Molder)BickFlammability Class (Molder)BickKatchment Material:Bics (CuZn)Attachment Plaing:Nick (Ni)	Overvoltage Category:	II acc. to DIN EN 60664-1 (VDE 0110-1)
Contact Bearer MateriaPolyuplene terephthalate (PBT)Contact Bearer ColorWhiteFammability Class (ContactBide Gouter Contact Cont	Contact Base Material:	Polybutylene terephthalate (PBT)
Contact Bearer Color:WhiteFlammability Class (ContactUs 4 v0Molded Body Material:Thermoplastic Polyurethane (TPU)Molded Body Color:BackFlammability Class (Molded Body Color:Us 4 v0Body:Us 4 v0Molded Body Color:BackFlammability Class (Molded Body Color:BackFlammability Class (Molded Body Color:Us 4 v0Body:Us 4 v0Molded Body Color:BackFlammability Class (Molded Body Color:Us 4 v0Body:Us 4 v0Molded Body Color:BackBody:Us 4 v0Molded Body Color:BackBody:Us 4 v0Molded Body Color:BackBody:Us 4 v0Body:Us 4 v0Body: <td>Contact Plating:</td> <td>Gold over Copper (Cu/Au)</td>	Contact Plating:	Gold over Copper (Cu/Au)
Famability Class (Marcine) U 94 V0 Molded Body Material Monopartic Marcine) Molded Body Color: Back Isoland Statistic Marcine) Back Katchment Material: Monopartic Marcine) Attachment Paterial: Monopartic Marcine)	Contact Bearer Material:	Polybutylene terephthalate (PBT)
Bearer): Deserver Bearer): Deserver Molded Body Material: Themoplastic Polyurethane (TPU) Molded Body Color: Back Flammability Class (Molded Body): Ul 94-HB Attachment Material: Brass (CuZn) Attachment Plating: Nickel (Ni)	Contact Bearer Color:	White
Molded Body Color: Bick Flammability Class (Molded Body): U 94-HB Attachment Material: Brass (CuZn) Attachment Plating: Nickel (Nichtage)		UL 94 V0
Flammability Class (Moldel Body): UL 94-HB Attachment Material: Brass (CuZn) Attachment Plating: Nickel (Ni)	Molded Body Material:	Thermoplastic Polyurethane (TPU)
Body): DE Sel-FIB Attachment Material: Brass (CuZn) Attachment Plating: Nickel (Ni)	Molded Body Color:	Black
Attachment Plating: Nickel (Ni)		UL 94-HB
	Attachment Material:	Brass (CuZn)
O-Ring Material: Nitrile Butadiene Rubber (NBR)	Attachment Plating:	Nickel (Ni)
	O-Ring Material:	Nitrile Butadiene Rubber (NBR)

Cable Data

Cable Number:	S3792
Conductor Size:	0.34 mm ²
Number of Wires:	19
Minimal Bending Radius (Fixed Inst):	> 5 x D
Minimal Bending Radius (Flexible Inst):	> 10 x D
Cycles (Bending):	> 5 M
Conductor material:	Cu
Cable Jacket Material:	Polyurethane (PUR)
Cable Jacket Color:	Grey
Cable Diameter D:	Ø 11.60
Wire Insulation Material:	Polyvinyl chloride (PVC)
Insulated Wire Diameter:	Ø 1.20 mm [0.068"]
Ambient Temperature (Fixed Installation):	- 40 °C to + 80 °C
Ambient Temperature (Flex Installation):	- 5 °C to + 80 °C
UL Cable Type:	AWM 20233

Flammability Class (Cable Jacket):	FT-1
Cable Characteristics:	Flexibility: Excellent Abrasion Resistance: Excellent Oil & Chemical Resistance: Excellent UV Resistance: Excellent Low Temp Performance: Excellent (flexible to -40°C) Flame Retardance: Good Halogen-Free: Yes Mechanical Durability: Excellent (resists impact, tear, and flex) Drag Chain Environmental Suitability: Outdoor, oily, wet, or rough environments

Technical Data Side 2

Peodus Pambo, 201Kale Service Control		
Side 2:Societ Unital PresideConnacto Desgn, Side 2:Sirajh (Ur) BodyAuchment Ypes, Side 2:10Insulation Resistance, Side 3:10.9 OhmMation Gross Side 2:10.0 Connacto Desgn, Side 3:Order Desgn, Side 3:10.0 Connacto Desgn, Side 3:<	Product Sub Family, Side 2:	M23 Power
Atachment Type, Side 2.Colliping NutlNumber of Prins, Side 2.19hydiaton Resistance, Side 2.100Conductor Cross Seciell10.0Schuld Cross Seciell10.0Conductor Cross Seciel		Socket Contact / Female
Number of Prins, Skiel 29Insulation Creation 2100 OntinMaing Oyces, Skiel 2100Conduct Creation 210.0Conduct Creation 210.0Conduct Creation 220:0 to 9.0°CConduct Creation 220:0 t	Connector Design, Side 2:	Straight (0°) Body
Instalation Resistance sub > 1090 hum Maing Qdds, Side 2: 5 00 Godduch Cross Sedi 2: 10 A 075mm ² Chorduch Cross Sedi 2: 20 C 10 C 0 Arbehant Temper 4: 20 C 10 C 0 Robeant Degree 7: Brot Robeant Temper 4: Patient Degree 7: Brot Robeant Temper 4: Chorduch Cross Sedi 2: 20 C 10 NEN 60664.1 (VDE 0110-1) Charlance Side 2: Goa C 10 NEN 60664.1 (VDE 0110-1) Charlance Side 2: Goard Cross Sedi 3: Charlance Side 2: Goard Cross Sedi 3: Charlance Side 2: Goard Cross Sedi 4: Charlanc	Attachment Type, Side 2:	Coupling Nut
2ProcessionAutor Ques, Side 2SolutionSolution Construction	Number of Pins, Side 2:	19
Chadudor Cross Section, Side 2: 9x 0.75mm² Abbent Temperature (Deperation, Side 2: 2x 0' to + 80 °C Protection Degree /IP Endition Degree /IP Endition Section 2 For Pollution Degree / Side 2: 3cx to DIN EN 00664.1 (VDE 0110-1) Centra Pialer / Side 2: co. to DIN EN 00664.1 (VDE 0110-1) Centra Pialer / Side 2: co. to DIN EN 00664.1 (VDE 0110-1) Centra Pialer / Side 2: co. to DIN EN 00664.1 (VDE 0110-1) Contact Pialer / Side 2: co. to DIN EN 00664.1 (VDE 0110-1) Contact Pialer / Side 2: co. to DIN EN 00664.1 (VDE 0110-1) Contact Pialer / Side 2: co. to DIN EN 00664.1 (VDE 0110-1) Contact Pialer / Side 2: co. to DIN EN 00664.1 (VDE 0110-1) Contact Pialer / Side 2: co. to DIN EN 00664.1 (VDE 0110-1) Contact Pialer / Side 2: co. to DIN EN 00664.1 (VDE 0110-1) Contact Pialer / Side 2: co. to DIN EN 00664.1 (VDE 0110-1) Contact Pialer / Side 2: co. to DIN EN 00664.1 (VDE 0110-1) Contact Pialer / Side 2: co. dover corper (Cu/Au) Contact Pialer / Side 2: co. dover corper (Cu/Au) Contact Pialer / Side 2: co. dover corper (Cu/Au) Side 2: co. dover		> 10^9 Ohm
Stde 2: Re 0.0 Sinthme Ambein Temperature (Operation, Side 2: 2x 10 x 0 80 C. Piddino Degree //P Rang, Side 2**: 6x 0.0 DIX EN 60664.1 (VDE 010-1) Dilution Degree //P Rang, Side 2*: 3cx. to DIX EN 60664.1 (VDE 010-1) Oragen Side 2: acx. to DIX EN 60664.1 (VDE 010-1) Oragen Side 2: acx. to DIX EN 60664.1 (VDE 010-1) Oragen Side 2: acx. to DIX EN 60664.1 (VDE 010-1) Oragen Side 2: acx. to DIX EN 60664.1 (VDE 010-1) Oragen Side 2: acx. to DIX EN 60664.1 (VDE 010-1) Oragen Side 2: acx. to DIX EN 60664.1 (VDE 010-1) Oragen Side 2: acx. to DIX EN 60664.1 (VDE 010-1) Oragen Side 2: acx. to DIX EN 60664.1 (VDE 010-1) Oragen Side 2: acx. to DIX EN 60664.1 (VDE 010-1) Oragen Side 2: acx. to DIX EN 60664.1 (VDE 010-1) Oragen Side 2: acx. to DIX EN 60664.1 (VDE 010-1) Side 3: acx. to DIX EN 60664.1 (VDE 010-1) Side 3: acx. to DIX EN 60664.1 (VDE 010-1) Side 3: acx. to DIX EN 60664.1 (VDE 010-1) Side 3: acx. to DIX EN 60664.1 (VDE 010-1) Side 3: acx. to DIX EN 60664.1 (VDE 010-1)	Mating Cycles, Side 2:	≤ 100
(operation, site 2*: (a control of the		19 x 0.75mm²
Rating, Side 2*: of Pollution Degree, Side 2: 3 acc. to DIN EN 60664-1 (VDE 0110-1) Clearance / Creepage Statence, Side 2: acc. to DIN EN 60664-1 (VDE 0110-1) Quervoltage Category, Side 2: acc. to DIN EN 60664-1 (VDE 0110-1) Contact Pating, Side 2: of over Copper (Cu/Au) Scontact Pating, Side 3: of over Copper (Cu/Au) Scontact Pating, Side 2: of over Copper (Cu/Au) Scontact Pating, Side 3: of over Copper (Cu/Au) Scontact Pating, Side 3: of over Copper (Cu/Au) Scontact Pating, Side 3: of over Copper (Cu/Au)	Ambient Temperature (Operation), Side 2*:	- 25 °C to + 80 °C
Clearance, Creepage Bistance, Side 2: acc. to DIN EN 60664-1 (VDE 0110-1) Qevoltage Category, Side inacc. to DIN EN 60664-1 (VDE 0110-1) Contact Base Material, Side coper Aloy Contact Plating, Side 2: oper Aloy Contact Plating, Side 2: of oor Copper (Cu/Au) Contact Plating, Side 2: playmating (Side Side Side Side Side Side Side Side		IP67
Distance, Side 2: Contect Reaction (VDE OTION) Overvoltage Category, Side 2: iace. to DIN EN 60664.1 (VDE OTION) Contact Base Material, Side 2: coper Alloy Contact Plating, Side 2: od over Copper (Cu/Au) Contact Baser Material, Side 2: polyanide (Nylon), PA 66 Contact Baser Color, Side 2: Back Contact Baser Side 2: lo 4.4 HB Contact Poly Side 2: Infernoplastic Polyurethane (TPU) Molded Body Otor, Side 2: Back Molded Body Color, Side 2: Back Fammability Class (Molde) Infernoplastic Polyurethane (TPU) Molded Body Color, Side 2: Back Katchment Material, Side 2: Nath	Pollution Degree, Side 2:	3 acc. to DIN EN 60664-1 (VDE 0110-1)
2: Index of the fire of code of (VEC 01161) 2: Contact Base Material, Side Contact Plating, Side 2: Gold over Copper (Cu/Au) Contact Plating, Side 2: Fold over Copper (Cu/Au) Contact Baser Material, Side Polyamide (Nylon), PA 66 Contact Baser Color, Side Back If annability Class (Contact Plating) Index of code of (PL 2) Kontact Baser Color, Side 2: Index of code of (PL 2) Molded Body Color, Side 2: Back Isomability Class (Molde) Bick Rother Body Softer Side 2: Bick Konded Body Color, Side 2: Bick Isomability Class (Molde) </td <td>Clearance / Creepage Distance, Side 2:</td> <td>acc. to DIN EN 60664-1 (VDE 0110-1)</td>	Clearance / Creepage Distance, Side 2:	acc. to DIN EN 60664-1 (VDE 0110-1)
2:Corper Andy2:Corper (Cu/Au)Contact Plating, Side 2:Side AuxContact Bearer Material, Side 2:BiackContact Bearer Sole 2:BiackIstemability Class (Corper Side 2:L 94-HBModed Body Material, Side 2:Inerroplastic Polyurethane (TPU)Moded Body Corper, Side 2:BiackKatchment Material, Side 3:Res (CuZn)Katchment Plating, Side 2:Nei (Nich Constant)Attachment Plating, Side 2:Nei (Nich Constant)Chang Material, Side 3:Nei (Nich Constant)Katchment Plating, Side 2:Nei (Nich Constant)Chang Material, Side 3:Nei (Nich Constant)Chang Material, Side 2:Nei (Nich Constant)Chang Material, Side 2		II acc. to DIN EN 60664-1 (VDE 0110-1)
Contact Bearer Material, Side 2:Polyamide (Nylon), PA 66Contact Bearer Color, Side 2:BackFlammability Class (Contact Bearer), Side 2:L 94-HBMolde Body Color, Side 2:hermoplastic Polyurethane (TPU)Molde Body Color, Side 2:BackJody, Side 2:Jose (Data Schler)Molder Body Color, Side 2:BackKatchment Material, Side 2:Side (L 94-HB)Attachment Material, Side 2:Nose (CuZn)Attachment Plating, Side 2:Nicel (Ni)O'Ring Material, Side 2:Florocarbon (FKM)		Copper Alloy
Side 2:Polyanine (kyloh), FA 60Contact Bearer Color, Side 2:BackFlammability Class (Contact 2:U. 94-HBMolded Body Material, Side 2:Inernoplastic Polyurethane (TPU)Molded Body Color, Side 2:BackMolder Body Side 2:Back <td>Contact Plating, Side 2:</td> <td>Gold over Copper (Cu/Au)</td>	Contact Plating, Side 2:	Gold over Copper (Cu/Au)
2:DiskEarer, Side 2:U. 94-HBMolded Body Material, SideThermoplastic Polyurethane (TPU)Molded Body Color, Side 2:BiakFammability Class (MoldedBiakFammability Class (Molded 2)BiakKatchment Material, Side 2:Side (Cal)Attachment Material, Side 2:Arso (Cal)Attachment Material, Side 2:Biak (Cal)At		Polyamide (Nylon), PA 66
Bearer), Side 2: Descention Bearer), Side 2: Thermoplastic Polyurethane (TPU) Molded Body Color, Side 2: Biack Flammability Class (Molded Body), Side 2: Di 94-HB Attachment Material, Side 2: Nick (Ux) Attachment Plating, Side 2: Nickel (Ni) Order Discontrol Nickel (Ni) Attachment Plating, Side 2: Nickel (Ni)		Black
2: Interficiplisate Folgetation (FFO) Molded Body Color, Side 2: Black Flamability Class (Moldel Body), Side 2: UL 94-HB Attachment Material, Side 2: Brass (CuZn) Attachment Plating, Side 2: Nickel (Ni) O-Ring Material, Side 2: Horocarbon rubber (FKM)		UL 94-HB
Flammability Class (Moled Body), Side 2:Ll S4-HBAttachment Material, Side 2:Fass (CuZn)Attachment Plating, Side 2:Nickel (Ni)O-Ring Material, Side 2:Fuoroarchon (Ling Material)		Thermoplastic Polyurethane (TPU)
Body), Side 2: Or Service Attachment Material, Side 2: Brass (CuZn) Attachment Plating, Side 2: Nickel (Ni) O-Ring Material, Side 2: Fluorocarbon rubber (FKM)	Molded Body Color, Side 2:	Black
Attachment Plating, Side 2: Nickel (Ni) O-Ring Material, Side 2: Fluorocarbon rubber (FKM)	Flammability Class (Molded Body), Side 2:	UL 94-HB
O-Ring Material, Side 2: Fluorocarbon rubber (FKM)	Attachment Material, Side 2:	Brass (CuZn)
	Attachment Plating, Side 2:	Nickel (Ni)
Note, Side 2: Do not connect / disconnect under load.	O-Ring Material, Side 2:	Fluorocarbon rubber (FKM)
	Note, Side 2:	Do not connect / disconnect under load.

Safety & Environmental Compliance

RoHS Compliant:	Yes
Resistances	

Resistances	
Halogenfree:	Yes
Oil Resistance:	Yes

Notes

Protection Degree / IP Rating Note:	IP Rating tested according to IEC standard using combination of a Hirschmann or Lumberg Automation connector mounted and locked
Note Derating:	* Notice derating
Particularities:	When the connector is unlocked and in risk of pollution the connector has to be covered with a protective cap ≥ IP54.

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