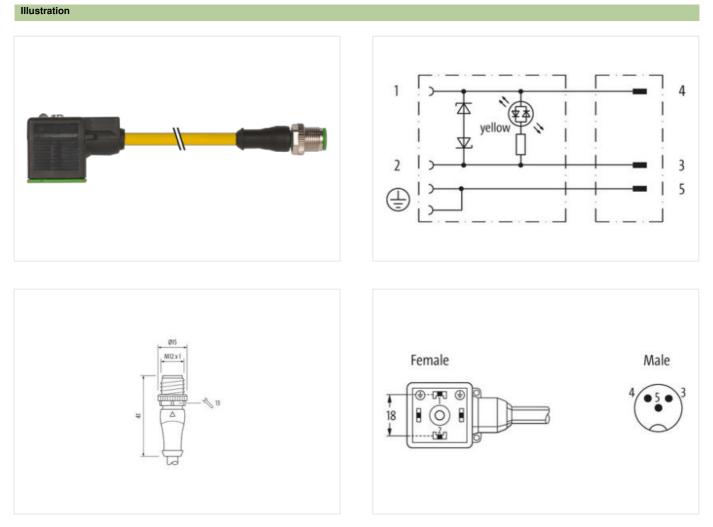


## M12 male 0° A-cod. / MSUD valve plug A-18mm

PUR 3x0.75 ye UL/CSA+drag ch. 3m

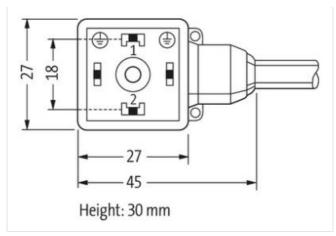
Form A (18 mm) – M12, male straight 24 V AC ±20% / DC ±25% LED and suppression Bridged PE A-coded Further cable lengths on request. Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request.

## Link to Product



The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-19





Product may differ from Image



Cable length	3 m
Side 1	
Tightening torque	0,4 Nm
Family construction form	M12
Thread	M3
suitable for corrugated tube (internal $\emptyset$ )	10 mm
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP67
Side 2	
Tightening torque	0,6 Nm
Thread	M12 x 1
Material	PBT
Degree of protection (EN IEC 60529)	IP67
Commercial data	
ECLASS-6.0	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060312
ECLASS-11.1	27060312
ECLASS-12.0	27060312
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879152822
Packaging unit	1
Electrical data	
Capacity CX	20 ms
Electrical data   Supply	
Operating voltage AC	24 V
Operating voltage AC min.	19,2 V
Operating voltage AC max.	28,8 V

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Operating visuage DC min.14 vOperating visuage DC max.30 vOperating visuage DC max.35 vCorrect operanting per contact max.4 ACorrect operanting per contact max.15 nADevice protection max.15 nADevice protection fram.15 nADevice protection fram.15 nAAdditional contifion protection degreeweiner device protection fram.Pathation Degree0Pathation Degree0.8 NVMaterial contifion protection degree0.8 NVMaterial augo voltage Voltage0.8 NVMaterial contifion protection degree1Pathation Degree0.8 NVMaterial contifion protection degree1Material contifion protection degree1Material contifion protection degree1Pathation Lagase0.8 NVMaterial contifion protection degree1Material contifion protection degree1Pathation Lagase10 NotacideColor housingBadokMaterial couling1Material couling1Material couling2 Notacide coulingMaterial couling2 Notacide coulingProtecting there details and topic couling couli	Operating voltage DC	24 V
Operating visitings DC max.         30 V           Cold organs/voltage max.         55 V           Current operating per contact max.         15 mA           Desponsitio         Status indication LED           Device protection   Betricial         Head max           Additional continuon         Inserted, screwed           Poliution Degree         3           Relation and Continuon         0.8 kV           Meetra and Status         16 mA           Device protection   Eductical         0.8 kV           Meetra and Status         2 meetra           Coling localing         Nack Head           Meetra and Status         2 meetra	Operating voltage DC	
Oct of pask voltage max.         56 V           Current opsauling per contact max.         4 A           Current opsauling per contact max.         15 mA           Diagnotics         Statu indication LED           Statu indication LED         yellow           Device protection   Electrical         Additional condition protection degree           Additional condition protection degree         0.8 kV           Machinal documents         0.8 kV           Machinal grapp voltage         0.8 kV           Machinal grapp voltage         0.8 kV           Machinal documents         PUR           Machinal grapp voltage         0.8 kV           Machinal grapp voltage         PUR           Machinal grapp voltage         PuR           Machinal grapp voltage         Care decating           Machinal grapp voltage         Care decating           Machinal grapp voltage         Care decating           Machinal factor for the particle of class can be examing         Care acting		
Current consumption max.         15 mA           Diagnostics         Statis indication LED         yellow           Device protection   Electrical         Maximum Construction   Electrical         Maximum Construction   Electrical           Additional condition protection degree         a         Reade surge voltage         0           Reade surge voltage         0.8 kV         Reade surge voltage         0.8 kV           Reade surge voltage         0.8 kV         Reade surge voltage         0.8 kV           Material group (IEC 00064.1)         1         Neckaled         Color housing         Nickaled           Coaling locking         Nickaled         Color housing         Nickaled         Color housing         Nickaled           Coaling locking         Nickaled         Color housing         Nickaled         Color housing         Nickaled           Coaling locking         PluB         Material housing         Reade         Color housing         Nickaled           Coaling locking locking         Inserted, sortweed         Environmental characteristics   Climale         Coor facuality reproduction max.         85 °C           Operating trappropriate transportation mained         Ageording on cable quality         Coor facuality reproduction class can be areadingered by excessive bending readin when leying cables, as the IP protection class can be areadisgreed by exc		
Current consumption max.         15 mA           Diagnostics         yellow           Device protection (Elschrical         Additional condition protection degree         inserted, sorewed           Pollution Depres         3         Related surgery obligation         inserted, sorewed           Pollution Depres         3         Related surgery obligation         inserted, sorewed           Material gasks         0.8 kV         Material gasks         Related surgery obligation         inserted, sorewed           Control (Schoold 1)         1         Material gasks         PUR         Material gasks         PUR           Material gasks         PUR         Material gasks         PUR         Material gasks         PUR           Material pasks         PUR         Material gasks         PUR         Material gasks         PUR           Material pasks         PUR         Material gasks         PUR         Material gasks         PUR           Material pasks         PUR         Material gasks         PUR         Material gasks         PUR           Material gasks         PUR         Material gasks         PUR         Material gasks         PUR           Mourting mothod         inserted, sortwood         Basital condition         Softwood         Softwood		
DespectionStatus inclusion LEBDevice protection (ExercicalAddional conflicto protection operation operatio		
Statu indication LED         yellow           Device protection [Electria]           Additional condition protection degrees         iseards, screwed           Additional condition protection degrees         3           Rated surge vottage         0.8 kV           Material dyou (Co 60664+1)         1           Incohance         Vector Material data           Casing tocking         Nickelud           Odor housing         Makerial dota (Co 60664+1)           Casing tocking         Nickelud           Odor housing         Makerial dota (Co 6066+1)           Casing tocking         Nickelud           Casing tocking         PUR           Material housing         Pasite           Casing material         Zin de casting           Material provide totics         Sin and de casting           Material dista (Material data (Material data (Socrewed)         Envertormetal characteristics (Commetation and Socie Concol totics (Socie Concol totics (Socie Concol totics by suitable massures from mechanical loads, e.g. by the usage of totic socie concol totics by suitable massures from mechanical loads, e.g. by the usage of totic socie concol totics by suitable massures from mechanical loads, e.g. by the usage of totic socie concol totics by suitable massures from mechanical loads, e.g. by the usage of totic socie concol totics by suitable massures from mechanical loads, e.g. by the usage of toticsocie concol totic socie concol totics (Socie Concol totic bio co		15 MA
Device protection   Electrical           Addination condition protection degree         3           Reade surge voltage         0.8 kV           Material group (EC 60661-1)         1           Hechanical data   Material data         0.0 kV           Color housing         black           Material group (EC 60661-1)         1           Hechanical data   Material data         0.0 kV           Color housing         black           Material paskel         PUB           Material paskel         PUB           Material paskel         PUB           Material paskel         PUB           Mounting method         insarted, screwed           Environmethal characteristics   Climatic         Conceptions by subtable measures from mechanical loads, e.g. by the usage of cable iss.           Addinoan condition temperature man.         28 °C         Coperating temperature man.           Operating temperature man.         28 °C         Coperating temperature man.           Addinoan condition temperature man.         28 °C         Coperating temperature man.           Note on strain miskl         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites.           Note on strain miskl         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites. <td>Diagnostics</td> <td></td>	Diagnostics	
Additional condition protoction degree         isearced.screwad           Polikition Degree         3           Reade surge voltage         6.8 kV           Material group (EC 60064-1)         1           Mechanical datal Material data         Contry locking           Contry locking         Nickeled           Contry locking         PUR           Material agasket         PUR           Material agasket         PUR           Mechanical datal Mounting data         Inserted.screwad           Moning matherial         Zino die casting           Mechanical datal Mounting data         Sino die casting           Moning matherial         Zino die casting           Operating temperature min.         25 °C           Operating temperature min.         25	Status indication LED	yellow
Patilation Degree         3           Rated surge voltage         0.8 kV           Material group (E 60684-1)         1           Machanical data   Material data         Conting (Constraint)           Conting (Constraint)         Nickeled           Goldon housing         Diack           Material pasket         PUR           Material pasket         PUR           Material housing         Plastic           Conding method         inserted, screwed           Environmental characteristics   Climatic         Operating temperature max.           Operating temperature max.         85 °C           Additional condition temperature max.         85 °C           Additional condition temperature max.         85 °C           Additional condition temperature max.         85 °C           Note on strain roliel         Protect the connectors by suitable measures from machanical loads, e.g. by the usage of cable lies.           Note on strain roliel         Protect the connectors by suitable measures from machanical loads, e.g. by the usage of cable lies.           Installation         036         Cable rope           Cable of ord wire installation         036         Cable rope           Cable identification         036         Cable rope           Stranding         3 wires twated	Device protection   Electrical	
Rated surgevoltage         0.8 kV           Material group (EC 6064-1)         I           Mechanical data   Material data         Color housing           Color housing         back           Material gasket         PUR           Material gasket         PUR           Material gasket         PUR           Material housing         Pasid           Locking material         Zinc die-casting           Mechanical data   Mounting data         Inserted, screwed           Environmental characteristics   Climatic         Color housing           Operating temperature min.         -25 °C           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature max.         85 °C           Addition at condition temperature max.         86 °C           Additi nat condition temperature max.         85 °C<	Additional condition protection degree	inserted, screwed
Material group (EC 60664.1)         I           Mechanical data ( Material data           Coating locking         Nickeld           Coating locking         Baak           Material gaskat         PUR           Material gaskat         PUR           Material busing         Pastac           Locking material         Zinc die-casing           Mechanical data   Mounting data         Inserted, screwed           Environmental characteristics ( Climatic         Climatic           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Mechanical data ( locking radius           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites.           Note on bending radius         Atterial cable duality         Inportant installation classers the perimisative banding crees.           Installetion ( Cable         Cable identification         036         Cable Type           Cable identification         Qis         Cable identification         Qis           Cable identification         Qis         Yis         Since to the instalidiant black.)           Cable identifi	Pollution Degree	3
Mechanical data   Material data           Conting         Nickeled           Color housing         black           Material gasket         PUR           Material housing         Plastic           Locking material         Zinc die-casting           Mechanical data   Mounting data         Plastic           Mechanical data   Mounting data         Inserted, screwed           Environmental characteristics   Climatic         Coordination in the prestrum min.           Operating temperature min.         -25 °C           Operating temperature man.         85 °C           Additional condition temperature range         depending on cable quality           Important instaliation notes         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be erdangered by excessive bunding furces.           Installation Cable         Operating temperature man.           Cable Identification         036           Cable Identification         036           Cable Identification         038           Cable Iden	Rated surge voltage	0,8 kV
Coding looking         Nickeled           Color housing         black           Material pasket         PUR           Material pasket         PUR           Material housing         Plastic           Locking material         Zinc die-casting           Mounting method         inserted, screwed           Environmental characteristics [ Climatic         Coperating temperature man.         25 °C           Operating temperature man.         85 °C           Additional condition notemperature max.         85 °C           Additional condition notemperature max.         85 °C           Note on strain rollef         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable itee.           Note on strain rollef         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable itee.           Attention: Observe the permissible bending radit when laying cables, as the IP protection class can be ended partered by excessive bending radit when laying cables, as the IP protection class can be ended partered by excessive bending radit when laying cables, as the IP protection class can be ended partered by excessive bending radit when laying cables, as the IP protection class can be ended partered by excessive bending radit when laying cables, as the IP protection class can be ended partered by excessive bending radit when laying cables, as the IP protection class can be ended partered by excessive bending radit when laying cables, as the IP protection class can be ended partered by	Material group (IEC 60664-1)	I
Color housing         black           Material pasket         PUR           Material pasket         PUR           Material spaket         Zinc die casting           Mechanical data   Mounting data         Incerde. screwed           Environmental characteristics   Climatic         Operating temperature max.           Operating temperature max.         85 °C           Additional condition temperature max.         85 °C           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be enderstrain relief           Cable of othic insultation         036           Cable Type         3           Printing color of wire insultation         white (solation black)           Jacket Color         yellow           Type of Certificate         cUFNs           Anount strainding         1           Strainding         3 wires twisted <t< td=""><td>Mechanical data   Material data</td><td></td></t<>	Mechanical data   Material data	
Color housing         black           Material pasket         PUR           Material pasket         PUR           Material housing         Plastic           Locking material         Zinc die-casting           Mechanizal data   Mounting data         Inserted. screwed           Environmental characteristics   Climatic         Environmental characteristics   Climatic           Operating temperature max.         85 °C           Additional condition temperature max.         85 °C           Note on strain rollef         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be and an	Coating locking	Nickeled
Material gasket         PUR           Material housing         Plastic           Locking material         Zinc die-casting           Mechanical datal Mounting data         Inserted, screwed           Environmental characteristics   Climatic         Operating temporature min.         -25 °C           Operating temporature min.         -25 °C         Operating temporature max.         85 °C           Additional condition temperature may.         45 °C         Operating temporature max.         85 °C           Additional condition temperature may.         depending on cable quality         Important installation notes           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Installation   Cable         Cable identification         036           Cable Identification         036         Cable identification           Operating temporation with subtation black)         Jacket Color         yelow           Type of Certificate         CUBus         CUBus         CuBus           Amount stranding         1         Stranding         Stranding         Stranding         Stranding         Stranding </td <td></td> <td>black</td>		black
Material housing         Plastic           Locking material         Zinc die casting           Mechanical data   Mounting material         Zinc die casting           Mounting method         inserted, screwed           Environmental characteristics   Climatic         Operating temperature max.         45 °C           Operating temperature max.         45 °C         Additional condition temperature max.         45 °C           Additional condition temperature range         depending on cable quality         Important installation notes           Important installation notes         Important installation notes         Important installation notes           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bending radius         Attention: Observe the parmissible bending radii when laying cables, as the IP protection class can be endagered by excessive bending forces.           Installation   Cable         Cable identification         036           Cable identification         036         Cable identification         Qacket Color           Yeelow         yellow         Yeelow         Qacket Color         yellow           Stranding         3 wires twisted         Quex targement         Dlack 1, Dlack 2, green-yellow         Cable weight         66,1 gim           Material jacket	ě	
Locking material         Zinc die-casting           Mechanical data   Mounting data           Mounting method         inserted, screwed           Environmental characteristics   Climatic         Operating temperature min.         -25 °C           Operating temperature min.         -25 °C         Operating temperature max.         85 °C           Additional condition temperature max.         85 °C         Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality         Important installation notes           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on banding radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Installation   Cable         Cable identification         036           Cable identification         036         Cable identification           Jacket Colo         yellow         Type of Certificate         c.URus           Amount stranding         1         Stranding         Stranding         Stranding           Stranding         3 wires twisted         Stranding         Stranding         Stranding         Stranding         Stranding         Stranding         Stranding	-	
Mechanical data   Mounting data           Mounting method         inserted, screwed           Environmental characteristics   Climatic         Coperating temperature min.         -25 °C           Operating temperature max.         85 °C         Additional condition temperature max.         85 °C           Additional condition temperature max.         85 °C         Additional condition temperature max.         85 °C           Additional condition temperature max.         depending on cable quality         Important installation notes           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be ending forces.         Installation I Cable           Cable of pole         3         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be ending forces.         Installation I Cable           Cable for pole         3         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be ending forces.         Installation I Cable           Cable dentification         0.36         Cable theight by the usage of cable		
Mounting method         inserted, screwed           Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Installation   Cable         Cable cleontification         O36           Cable (dentification         O36         Cable cleontification         O36           Cable (dentification         O36         Cable cleontificate         CURus           Amount stranding         1         Stranding         1           Stranding         3 wires twisted         Stranding         1           Stranding         3 wires twisted         Stranding         1           Stranding         1         Stranding         1         Stranding         25 %           Cable weighth         56, 1 g/m         Material jackt         PUR           Shore hardness jacket         90 ± 5 Shore A         Stranding         3         Cuter diameter (sheath)         ±		
Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Note on strint relief           Note on strint relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tiles.           Additional Cable         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Installation I Cable         Cable identification           Cable identification         036           Cable Identification         036           Cable Identification         white (isolation black)           Jacket Color         yellow           Type of Cartificate         cURus           Amount stranding         1           Stranding         3 wires twisted           Write arrangement         black 1, black 2, green yellow           Cable weight         56,1 g/m           Material jacket         PUR           Shore A         Shore A           Freedom from ingredients (jacket)         15 %           Material wire insulation         PP            Additional		
Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Installation   Cable         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Installation   Cable         Cable identification           Cable Type         3           Printing color of wire insulation         white (isolation black)           Jacket Color         yellow           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         black 1, black 2, green-yellow           Cable weigh         56.1 g/m           Material jacket         PUR           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         5.9 mm           Tolerance outer diameter (sheath)         1.5 %           Materia	-	Inserted, screwed
Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important Installation notes         Important installation notes           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Additional conding radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Installation   Cable         Cable identification           Cable Type         3           Printing color of wire insulation         white (isolation black)           Jacket Color         yellow           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         black 1, black 2, green-yellow           Cable weigh         56.1 g/m           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (isokation         pP           Andoutt wires         3           Outer diameter (sheath)         1.5 %           Material wire	Environmental characteristics   Climatic	
Additional condition temperature range         depending on cable quality           Important installation notes         Additional condition temperature range         depending on cable quality           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Attention: Observe the permissible bending radi when laying cables, as the IP protection class can be endangered by excessive bending forces.           Installation   Cable           Cable identification         036           Cable Type         3           Printing color of wire insulation         white (isolation black)           Jacket Color         yellow           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         black 1, black 2, green-yellow           Cable weigth         56,1 g/m           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer diameter (jacket)         5.9 mm           Tolerance outer diameter (sheath)         ± 5 %           Amount wires         3           Outer diameter insulation		
Important installation notes           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Installation   Cable         Cable Identification           Cable Identification         036           Cable Identification         036           Cable Identification         white (isolation black)           Jacket Color         yellow           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         black 1, black 2, green-yellow           Cable weigth         56,1 g/m           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer diameter (jacket)         59 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount twires         3           Outer diameter insulation         1,85 mm           Outer diam		
Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Installation   Cable         Cable identification         036           Cable identification         036         Cable Type         3           Printing color of wire insulation         white (isolation black)         Jacket Color         yellow           Type of Certificate         cURus         Amount stranding         1           Stranding         3 wires twisted         Mire argement         black 1, black 2, green-yellow           Cable weigth         56,1 g/m         Material Jacket         PUR           Shore hardness jacket         90 ± 5 Shore A         Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         5,9 mm         State free, silicone-free         Material wrie insulation         PP           Amount wires         3         3         Cable free, cadmium-free, CFC-free, halogen-free, silicone-free         Store hardness wire insulation         1,85 mm           Outer diameter insulation         PP         Amount wires         3         Cable free, cadmium-free, CFC-free, halog	Additional condition temperature range	depending on cable quality
Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Installation   Cable           Cable identification         036           Cable Type         3           Printing color of wire insulation         white (isolation black)           Jacket Color         yellow           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         black 1, black 2, green-yellow           Cable wight         56,1 g/m           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer diameter (slacket)         5.9 mm           Outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         3           Outer diameter insulation         1.85 mm           Outer diameter insulation         1.85 mm           Outer diameter insulation         2.5 %           Shore hardness wire insulation         7.0 ± 5 Shore D           Ingredient freeness wire	Important installation notes	
Note of verticing radiusendangered by excessive bending forces.Installation   CableCable identification036Cable identification036Cable identificationwhite (isolation black)Jacket ColoryellowType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementblack 1, black 2, green-yellowCable weigth56,1 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)5,9 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter insulation1,85 mmOuter diameter insulation1,95 mmTolerance outer diameter (sheath)± 5 %Shore hardness wire insulation1,95 mmTolerance outer diameter insulation1,55 mmOuter diameter insulation1,55 mmPrinting color of wire insulation1,25 thore DIngredient freeness wire insulation1,62 three, cadmium-free, CFC-free, halogen-free, silicone-freePrinting color of wire insulationwhit	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Cable identification036Cable Type3Printing color of wire insulationwhite (isolation black)Jacket ColoryellowType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementblack 1, black 2, green-yellowCable weigth56,1 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationFo ± 5 %Shore hardness wire insulation1,85 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation1,85 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulationwite 5 %Shore hardness wire insulationwite 5 %Shore hardness wire insulationwite 5 %Shore hardness wire insulationindex free, cadmium-free, CFC-free, halogen-freePrinting color of wire insulationwhite (isolation black)	Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Cable Type3Printing color of wire insulationwhite (isolation black)Jacket ColoryellowType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementblack 1, black 2, green-yellowCable weigth56, 1 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-freeOuter diameter (jacket)5,9 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationI.85 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation10 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-freePrinting color of wire insulationwhite (isolation black)	Installation   Cable	
Printing color of wire insulationwhite (isolation black)Jacket ColoryellowType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementblack 1, black 2, green-yellowCable weigth56,1 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)5,9 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient tolerance core insulation± 5 %Shore hardness wire insulationwire, 5 Shore DIngredient freeness wire insulationked-free, cadmium-free, CFC-free, halogen-free, silicone-freePrinting color of wire insulationwire isolation black)	Cable identification	036
Jacket Color       yellow         Type of Certificate       cURus         Amount stranding       1         Stranding       3 wires twisted         wire arrangement       black 1, black 2, green-yellow         Cable weigth       56,1 g/m         Material jacket       PUR         Shore hardness jacket       90 ± 5 Shore A         Freedom from ingredients (jacket)       lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         Outer-diameter (jacket)       5,9 mm         Tolerance outer diameter (sheath)       ± 5 %         Material wire insulation       PP         Amount wires       3         Outer diameter tolerance core insulation       1,85 mm         Outer diameter tolerance core insulation       ± 5 %         Shore hardness wire insulation       70 ± 5 Shore D         Ingredient freeness wire insulation       lead-free, cadmium-free, CFC-free, halogen-free         Printing color of wire insulation       white (isolation black)	Cable Type	3
Jacket Color       yellow         Type of Certificate       cURus         Amount stranding       1         Stranding       3 wires twisted         wire arrangement       black 1, black 2, green-yellow         Cable weigth       56,1 g/m         Material jacket       PUR         Shore hardness jacket       90 ± 5 Shore A         Freedom from ingredients (jacket)       lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         Outer-diameter (jacket)       5,9 mm         Tolerance outer diameter (sheath)       ± 5 %         Material wire insulation       PP         Amount wires       3         Outer diameter tolerance core insulation       1,85 mm         Outer diameter tolerance core insulation       ± 5 %         Shore hardness wire insulation       70 ± 5 Shore D         Ingredient freeness wire insulation       lead-free, cadmium-free, CFC-free, halogen-free         Printing color of wire insulation       white (isolation black)	Printing color of wire insulation	white (isolation black)
Amount stranding1Stranding3 wires twistedwire arrangementblack 1, black 2, green-yellowCable weigth56,1 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)5,9 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationr0 ± 5 Shore DIngredient freeness wire insulationwhite (isolation black)		
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wire arrangementblack 1, black 2, green-yellowCable weigth56,1 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)5,9 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter insulation1,85 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-free	Type of Certificate	-
Cable weigth56,1 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)5,9 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter tolerance core insulation1,85 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freePrinting color of wire insulationwhite (isolation black)		cURus
Material jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)5,9 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter tolerance core insulation1,85 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freePrinting color of wire insulationwhite (isolation black)	Amount stranding	CURus 1
Shore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)5,9 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter tolerance core insulation1,85 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freePrinting color of wire insulationwhite (isolation black)	Amount stranding Stranding	cURus 1 3 wires twisted
Freedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-freeOuter-diameter (jacket)5,9 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter insulation1,85 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-freePrinting color of wire insulationwhite (isolation black)	Amount stranding Stranding wire arrangement	cURus 1 3 wires twisted black 1, black 2, green-yellow
Outer-diameter (jacket)5,9 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter insulation1,85 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freePrinting color of wire insulationwhite (isolation black)	Amount stranding Stranding wire arrangement Cable weigth	cURus 1 3 wires twisted black 1, black 2, green-yellow 56,1 g/m
Tolerance outer diameter (sheath)       ± 5 %         Material wire insulation       PP         Amount wires       3         Outer diameter insulation       1,85 mm         Outer diameter tolerance core insulation       ± 5 %         Shore hardness wire insulation       70 ± 5 Shore D         Ingredient freeness wire insulation       lead-free, cadmium-free, CFC-free, halogen-free         Printing color of wire insulation       white (isolation black)	Amount stranding Stranding wire arrangement Cable weigth Material jacket	CURus 1 3 wires twisted black 1, black 2, green-yellow 56,1 g/m PUR
Material wire insulation       PP         Amount wires       3         Outer diameter insulation       1,85 mm         Outer diameter tolerance core insulation       ± 5 %         Shore hardness wire insulation       70 ± 5 Shore D         Ingredient freeness wire insulation       lead-free, cadmium-free, CFC-free, halogen-free         Printing color of wire insulation       white (isolation black)	Amount stranding         Stranding         wire arrangement         Cable weigth         Material jacket         Shore hardness jacket	CURus 1 3 wires twisted black 1, black 2, green-yellow 56,1 g/m PUR 90 ± 5 Shore A
Amount wires       3         Outer diameter insulation       1,85 mm         Outer diameter tolerance core insulation       ± 5 %         Shore hardness wire insulation       70 ± 5 Shore D         Ingredient freeness wire insulation       lead-free, cadmium-free, CFC-free, halogen-free         Printing color of wire insulation       white (isolation black)	Amount stranding         Stranding         wire arrangement         Cable weigth         Material jacket         Shore hardness jacket         Freedom from ingredients (jacket)	cURus         1         3 wires twisted         black 1, black 2, green-yellow         56,1 g/m         PUR         90 ± 5 Shore A         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer diameter insulation       1,85 mm         Outer diameter tolerance core insulation       ± 5 %         Shore hardness wire insulation       70 ± 5 Shore D         Ingredient freeness wire insulation       lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         Printing color of wire insulation       white (isolation black)	Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket)	cURus         1         3 wires twisted         black 1, black 2, green-yellow         56,1 g/m         PUR         90 ± 5 Shore A         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         5,9 mm
Outer diameter tolerance core insulation       ± 5 %         Shore hardness wire insulation       70 ± 5 Shore D         Ingredient freeness wire insulation       lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         Printing color of wire insulation       white (isolation black)	Amount stranding         Stranding         wire arrangement         Cable weigth         Material jacket         Shore hardness jacket         Freedom from ingredients (jacket)         Outer-diameter (jacket)         Tolerance outer diameter (sheath)	cURus         1         3 wires twisted         black 1, black 2, green-yellow         56,1 g/m         PUR         90 ± 5 Shore A         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         5,9 mm         ± 5 %
Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freePrinting color of wire insulationwhite (isolation black)	Amount stranding         Stranding         wire arrangement         Cable weigth         Material jacket         Shore hardness jacket         Freedom from ingredients (jacket)         Outer-diameter (jacket)         Tolerance outer diameter (sheath)         Material wire insulation	cURus         1         3 wires twisted         black 1, black 2, green-yellow         56,1 g/m         PUR         90 ± 5 Shore A         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         5,9 mm         ± 5 %         PP
Ingredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freePrinting color of wire insulationwhite (isolation black)	Amount stranding         Stranding         wire arrangement         Cable weigth         Material jacket         Shore hardness jacket         Freedom from ingredients (jacket)         Outer-diameter (jacket)         Tolerance outer diameter (sheath)         Material wire insulation         Amount wires	cURus         1         3 wires twisted         black 1, black 2, green-yellow         56,1 g/m         PUR         90 ± 5 Shore A         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         5,9 mm         ± 5 %         PP         3
Printing color of wire insulation white (isolation black)	Amount stranding         Stranding         wire arrangement         Cable weigth         Material jacket         Shore hardness jacket         Freedom from ingredients (jacket)         Outer-diameter (jacket)         Tolerance outer diameter (sheath)         Material wire insulation         Amount wires         Outer diameter insulation	cURus         1         3 wires twisted         black 1, black 2, green-yellow         56,1 g/m         PUR         90 ± 5 Shore A         lead-free, cadmium-free, CFC-free, halogen-free         5,9 mm         ± 5 %         PP         3         1,85 mm
	Amount stranding         Stranding         wire arrangement         Cable weigth         Material jacket         Shore hardness jacket         Freedom from ingredients (jacket)         Outer-diameter (jacket)         Tolerance outer diameter (sheath)         Material wire insulation         Amount wires         Outer diameter tolerance core insulation	cURus         1         3 wires twisted         black 1, black 2, green-yellow         56,1 g/m         PUR         90 ± 5 Shore A         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         5,9 mm         ± 5 %         PP         3         1,85 mm         ± 5 %
Amount strands (wire) 42	Amount stranding         Stranding         wire arrangement         Cable weigth         Material jacket         Shore hardness jacket         Freedom from ingredients (jacket)         Outer-diameter (jacket)         Tolerance outer diameter (sheath)         Material wire insulation         Amount wires         Outer diameter tolerance core insulation         Shore hardness wire insulation	cURus         1         3 wires twisted         black 1, black 2, green-yellow         56,1 g/m         PUR         90 ± 5 Shore A         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         5,9 mm         ± 5 %         PP         3         1,85 mm         ± 5 %         70 ± 5 Shore D
	Amount stranding         Stranding         wire arrangement         Cable weigth         Material jacket         Shore hardness jacket         Freedom from ingredients (jacket)         Outer-diameter (jacket)         Tolerance outer diameter (sheath)         Material wire insulation         Amount wires         Outer diameter tolerance core insulation         Outer diameter tolerance core insulation         Shore hardness wire insulation         Ingredient freeness wire insulation	cURus         1         3 wires twisted         black 1, black 2, green-yellow         56,1 g/m         PUR         90 ± 5 Shore A         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         5,9 mm         ± 5 %         PP         3         1,85 mm         ± 5 %         70 ± 5 Shore D         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-19



Diameter of single wires	0,15 mm
Conductor crosssection (wire)	0,75 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Traversing distance (C-track)	10 m @ 25 °C   horizontal
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	12 A
Electrical resistance line constant wire	26 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2,5 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2,5 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
Flame resistance	UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing   DIN EN 60811-404
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
Travel speed (C-track)	10 Mio. @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min

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