



connettori
M8 - M12

M8 - M12
connectors

TEK[®]NEL

THE ART OF CONNECTION

Model Numbering System

TL 08 F M 03 AX 25 C G 25

SERIES

SIZE

08 = M8
12 = M12

TYPE

F = FEMALE
M = MALE
LF = FEMALE WITH LED
FS = SHIELDED FEMALE

LOCKING SYSTEM

F = FIXED SCREW
M = MOBILE SCREW
P = SNAP

POLES

03 = 3 POLES
04 = 4 POLES
05 = 5 POLES

WIRE SECTION

25 = 0.25 mm²
35 = 0.35 mm²
50 = 0.50 mm²

CABLE COLOR

G = GREY RAL 7032

CABLE SHEATH

C = PVC CEI2022II
R = PUR

CABLE LENGHT

10 = 1m
20 = 2m
25 = 2.5m
50 = 5m
100 = 10m
150 = 15m

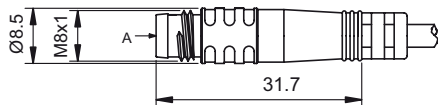
EXIT CABLE

AX = AXIAL
AN = ANGLED 90°

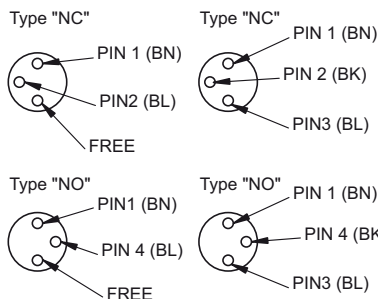
1 1

Conn. circ. M8 maschio assiale 3 poli ghiera fissa

Circular male axial M8 connector 3 poles fixed nut



Visto da "A" / View from "A"



TL08MF03AX**CG**

TL08MF03AX**RG**

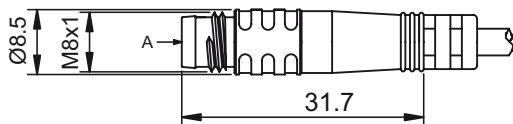
Technical specifications:	PVC cable	PUR cable
Norm reference	IEC 60947-5-2	IEC 60947-5-2
Poles	3	3
Shielded	No	No
Locking system	Thread nut	Thread nut
IP grade	Connected - IP 68	Connected - IP 68
Working temperature	-15° C / +70° C	-25° C / +90° C
Nominal current	4A	4A
Working tension	60 V ac / 75 V dc	60 V ac / 75 V dc
Dielectric test	500 V dc	500 V dc
Insulation resistance	> = 10 GΩ	> = 10 GΩ
Contact resistance	< = 5 mΩ	< = 5 mΩ

Components specifications:		
Type of contact	Turned contact	Turned contact
Contact material	CuZnPb	CuZnPb
Contact treatment	"Ni" (std) or "Ag" or "AuCo"	"Ni" (std) or "Ag" or "AuCo"
Housing material	ABS / PC	ABS / PC
Body material	PUR	PUR
Body colour	Grey RAL 7032	Grey RAL 7032
Nut	Brass nickel plated	Brass nickel plated
Cable & wires	See next tab.	See next tab.

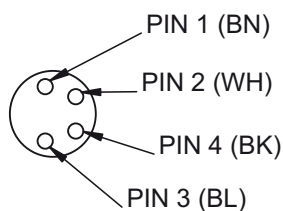
Cable & wires specifications:		
Standard section (mm²)	3x0.25 ÷ 3x0.35	3x0.25 ÷ 3x0.35
Shield	/	/
Standard lengths	1 / 2 / 2.5 / 5 / 10 / 15m	1 / 2 / 2.5 / 5 / 10 / 15m
External sheath	PVC	PUR
External diameter	ø 4.50mm (Max.)	ø 4.50mm (Max.)
Sheath colour	Grey RAL 7032	Grey RAL 7032
Wire insulation	PVC	PVC
Conductor	Red soft copper	Red soft copper
Formation	According to IEC 60228, VDE 0295 Cl.6	According to IEC 60228, VDE 0295 Cl.6
Wire colours	Brown, Blue, Black	Brown, Blue, Black

Conn. circ. M8 maschio assiale 4 poli ghiera fissa

Circular male axial M8 connector 4 poles fixed nut



Visto da "A" / View from "A"



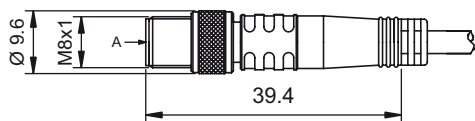
TL08MF04AX**CG**

TL08MF04AX**RG**

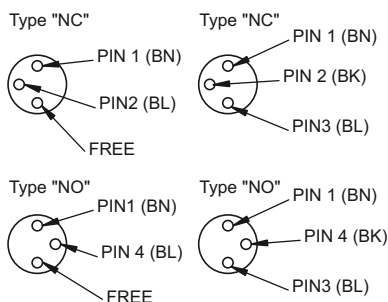
Technical specifications:	PVC cable	PUR cable
Norm reference	IEC 60947-5-2	IEC 60947-5-2
Poles	4	4
Shielded	No	No
Locking system	Thread nut	Thread nut
IP grade	Connected - IP 68	Connected - IP 68
Working temperature	-15° C / +70° C	-25° C / +90° C
Nominal current	4A	4A
Working tension	60 V ac / 75 V dc	60 V ac / 75 V dc
Dielectric test	500 V dc	500 V dc
Insulation resistance	> = 10 GΩ	> = 10 GΩ
Contact resistance	< = 5 mΩ	< = 5 mΩ
Components specifications:		
Type of contact	Turned contact	Turned contact
Contact material	CuZnPb	CuZnPb
Contact treatment	"Ni" (std) or "Ag" or "AuCo"	"Ni" (std) or "Ag" or "AuCo"
Housing material	ABS / PC	ABS / PC
Body material	PUR	PUR
Body colour	Grey RAL 7032	Grey RAL 7032
Nut	Brass nickel plated	Brass nickel plated
Cable & wires	See next tab.	See next tab.
Cable & wires specifications:		
Standard section (mm²)	4x0.25 ÷ 4x0.35	4x0.25 ÷ 4x0.35
Shield	/	/
Standard lengths	1 / 2 / 2.5 / 5 / 10 / 15m	1 / 2 / 2.5 / 5 / 10 / 15m
External sheath	PVC	PUR
External diameter	ø 4.50mm (Max.)	ø 4.50mm (Max.)
Sheath colour	Grey RAL 7032	Grey RAL 7032
Wire insulation	PVC	PVC
Conductor	Red soft copper	Red soft copper
Formation	According to IEC 60228, VDE 0295 Cl.6	According to IEC 60228, VDE 0295 Cl.6
Wire colours	Brown, Blue, Black, White	Brown, Blue, Black, White

Conn. circ. M8 maschio assiale 3 poli ghiera mobile

Circular male axial M8 connector 3 poles mobile nut



Visto da "A" / View from "A"



TLO8MM03AX**CG**

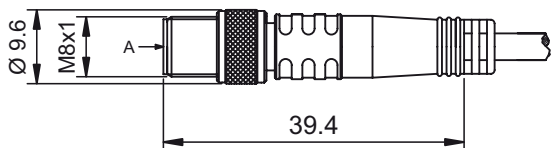
TLO8MM03AX**RG**

Technical specifications:	PVC cable	PUR cable
Norm reference	IEC 60947-5-2	IEC 60947-5-2
Poles	3	3
Shielded	No	No
Locking system	Thread nut	Thread nut
IP grade	Connected - IP 68	Connected - IP 68
Working temperature	-15° C / +70° C	-25° C / +90° C
Nominal current	4A	4A
Working tension	60 V ac / 75 V dc	60 V ac / 75 V dc
Dielectric test	500 V dc	500 V dc
Insulation resistance	> = 10 GΩ	> = 10 GΩ
Contact resistance	< = 5 mΩ	< = 5 mΩ

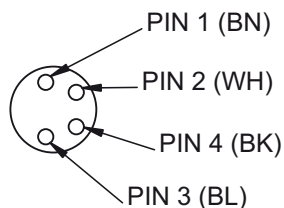
Components specifications:		
Type of contact	Turned contact	Turned contact
Contact material	CuZnPb	CuZnPb
Contact treatment	"Ni" (std) or "Ag" or "AuCo"	"Ni" (std) or "Ag" or "AuCo"
Housing material	ABS / PC	ABS / PC
Body material	PUR	PUR
Body colour	Grey RAL 7032	Grey RAL 7032
Nut	Brass nickel plated	Brass nickel plated
Cable & wires	See next tab.	See next tab.

Cable & wires specifications:		
Standard section (mm²)	3x0.25 ÷ 3x0.35	3x0.25 ÷ 3x0.35
Shield	/	/
Standard lengths	1 / 2 / 2.5 / 5 / 10 / 15m	1 / 2 / 2.5 / 5 / 10 / 15m
External sheath	PVC	PUR
External diameter	ø 4.50mm (Max.)	ø 4.50mm (Max.)
Sheath colour	Grey RAL 7032	Grey RAL 7032
Wire insulation	PVC	PVC
Conductor	Red soft copper	Red soft copper
Formation	According to IEC 60228, VDE 0295 Cl.6	According to IEC 60228, VDE 0295 Cl.6
Wire colours	Brown, Blue, Black	Brown, Blue, Black

Conn. circ. M8 maschio assiale 4 poli ghiera mobile Circular male axial M8 connector 4 poles mobile nut



Visto da "A" / View from "A"



TL08MM04AX**CG**

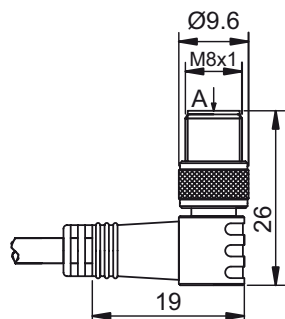
TL08MM04AX**RG**

Technical specifications:	PVC cable	PUR cable
Norm reference	IEC 60947-5-2	IEC 60947-5-2
Poles	4	4
Shielded	No	No
Locking system	Thread nut	Thread nut
IP grade	Connected - IP 68	Connected - IP 68
Working temperature	-15° C / +70° C	-25° C / +90° C
Nominal current	4A	4A
Working tension	60 V ac / 75 V dc	60 V ac / 75 V dc
Dielectric test	500 V dc	500 V dc
Insulation resistance	> = 10 GΩ	> = 10 GΩ
Contact resistance	< = 5 mΩ	< = 5 mΩ

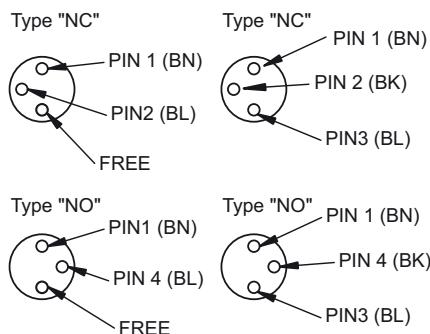
Components specifications:		
Type of contact	Turned contact	Turned contact
Contact material	CuZnPb	CuZnPb
Contact treatment	"Ni" (std) or "Ag" or "AuCo"	"Ni" (std) or "Ag" or "AuCo"
Housing material	ABS / PC	ABS / PC
Body material	PUR	PUR
Body colour	Grey RAL 7032	Grey RAL 7032
Nut	Brass nickel plated	Brass nickel plated
Cable & wires	See next tab.	See next tab.

Cable & wires specifications:		
Standard section (mm²)	4x0.25 ÷ 4x0.35	4x0.25 ÷ 4x0.35
Shield	/	/
Standard lengths	1 / 2 / 2.5 / 5 / 10 / 15m	1 / 2 / 2.5 / 5 / 10 / 15m
External sheath	PVC	PUR
External diameter	ø 4.50mm (Max.)	ø 4.50mm (Max.)
Sheath colour	Grey RAL 7032	Grey RAL 7032
Wire insulation	PVC	PVC
Conductor	Red soft copper	Red soft copper
Formation	According to IEC 60228, VDE 0295 Cl.6	According to IEC 60228, VDE 0295 Cl.6
Wire colours	Brown, Blue, Black, White	Brown, Blue, Black, White

Conn. circ. M8 maschio angolo 3 poli ghiera mobile Circular male angled M8 connector 3 poles mobile nut



Visto da "A" / View from "A"



TLO8MMO3AN**CG**

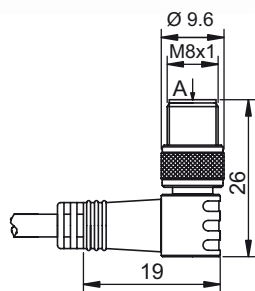
TLO8MMO3AN**RG**

Technical specifications:	PVC cable	PUR cable
Norm reference	IEC 60947-5-2	IEC 60947-5-2
Poles	3	3
Shielded	No	No
Locking system	Thread nut	Thread nut
IP grade	Connected - IP 68	Connected - IP 68
Working temperature	-15° C / +70° C	-25° C / +90° C
Nominal current	4A	4A
Working tension	60 V ac / 75 V dc	60 V ac / 75 V dc
Dielectric test	500 V dc	500 V dc
Insulation resistance	> = 10 GΩ	> = 10 GΩ
Contact resistance	< = 5 mΩ	< = 5 mΩ

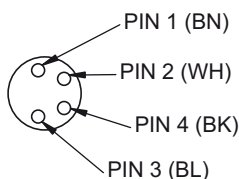
Components specifications:		
Type of contact	Turned contact	Turned contact
Contact material	CuZnPb	CuZnPb
Contact treatment	"Ni" (std) or "Ag" or "AuCo"	"Ni" (std) or "Ag" or "AuCo"
Housing material	ABS / PC	ABS / PC
Body material	PUR	PUR
Body colour	Grey RAL 7032	Grey RAL 7032
Nut	Brass nickel plated	Brass nickel plated
Cable & wires	See next tab.	See next tab.

Cable & wires specifications:		
Standard section (mm²)	3x0.25 ÷ 3x0.35	3x0.25 ÷ 3x0.35
Shield	/	/
Standard lengths	1 / 2 / 2.5 / 5 / 10 / 15m	1 / 2 / 2.5 / 5 / 10 / 15m
External sheath	PVC	PUR
External diameter	ø 4.50mm (Max.)	ø 4.50mm (Max.)
Sheath colour	Grey RAL 7032	Grey RAL 7032
Wire insulation	PVC	PVC
Conductor	Red soft copper	Red soft copper
Formation	According to IEC 60228, VDE 0295 Cl.6	According to IEC 60228, VDE 0295 Cl.6
Wire colours	Brown, Blue, Black	Brown, Blue, Black

Conn. circ. M8 maschio angolo 4 poli ghiera mobile Circular male angled M8 connector 4 poles mobile nut



Visto da "A" / View from "A"



TLO8MM04AN**CG**

TLO8MM04AN**RG**

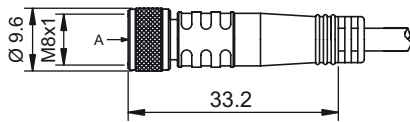
Technical specifications:	PVC cable	PUR cable
Norm reference	IEC 60947-5-2	IEC 60947-5-2
Poles	4	4
Shielded	No	No
Locking system	Thread nut	Thread nut
IP grade	Connected - IP 68	Connected - IP 68
Working temperature	-15° C / +70° C	-25° C / +90° C
Nominal current	4A	4A
Working tension	60 V ac / 75 V dc	60 V ac / 75 V dc
Dielectric test	500 V dc	500 V dc
Insulation resistance	> = 10 GΩ	> = 10 GΩ
Contact resistance	< = 5 mΩ	< = 5 mΩ

Components specifications:		
Type of contact	Turned contact	Turned contact
Contact material	CuZnPb	CuZnPb
Contact treatment	"Ni" (std) or "Ag" or "AuCo"	"Ni" (std) or "Ag" or "AuCo"
Housing material	ABS / PC	ABS / PC
Body material	PUR	PUR
Body colour	Grey RAL 7032	Grey RAL 7032
Nut	Brass nickel plated	Brass nickel plated
Cable & wires	See next tab.	See next tab.

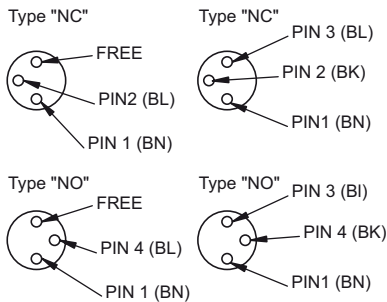
Cable & wires specifications:		
Standard section (mm²)	4x0.25 ÷ 4x0.35	4x0.25 ÷ 4x0.35
Shield	/	/
Standard lengths	1 / 2 / 2.5 / 5 / 10 / 15m	1 / 2 / 2.5 / 5 / 10 / 15m
External sheath	PVC	PUR
External diameter	ø 4.50mm (Max.)	ø 4.50mm (Max.)
Sheath colour	Grey RAL 7032	Grey RAL 7032
Wire insulation	PVC	PVC
Conductor	Red soft copper	Red soft copper
Formation	According to IEC 60228, VDE 0295 Cl.6	According to IEC 60228, VDE 0295 Cl.6
Wire colours	Brown, Blue, Black, White	Brown, Blue, Black, White

Conn. circ. M8 femmina assiale 3 poli ghiera mobile

Circular female axial M8 connector 3 poles mobile nut



Visto da "A" / View from "A"



TL08FM03AX**CG**

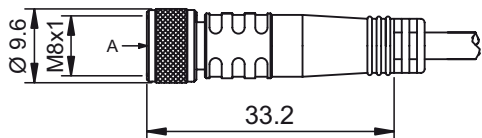
TL08FM03AX**RG**

Technical specifications:	PVC cable	PUR cable
Norm reference	IEC 60947-5-2	IEC 60947-5-2
Poles	3	3
Shielded	No	No
Locking system	Thread nut	Thread nut
IP grade	Connected - IP 68	Connected - IP 68
Working temperature	-15° C / +70° C	-25° C / +90° C
Nominal current	4A	4A
Working tension	60 V ac / 75 V dc	60 V ac / 75 V dc
Dielectric test	500 V dc	500 V dc
Insulation resistance	> = 10 GΩ	> = 10 GΩ
Contact resistance	< = 5 mΩ	< = 5 mΩ

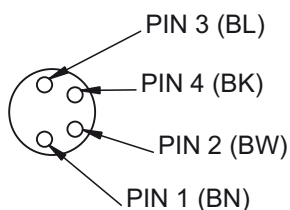
Components specifications:		
Type of contact	Turned contact	Turned contact
Contact material	CuZnPb	CuZnPb
Contact treatment	"Ni" (std) or "Ag" or "AuCo"	"Ni" (std) or "Ag" or "AuCo"
Housing material	ABS / PC	ABS / PC
Body material	PUR	PUR
Body colour	Grey RAL 7032	Grey RAL 7032
O. Ring	NBR	NBR
Nut	Brass nickel plated	Brass nickel plated
Cable & wires	See next tab.	See next tab.

Cable & wires specifications:		
Standard section (mm²)	3x0.25 ÷ 3x0.35	3x0.25 ÷ 3x0.35
Shield	/	/
Standard lengths	1 / 2 / 2.5 / 5 / 10 / 15m	1 / 2 / 2.5 / 5 / 10 / 15m
External sheath	PVC	PUR
External diameter	ø 4.50mm (Max.)	ø 4.50mm (Max.)
Sheath colour	Grey RAL 7032	Grey RAL 7032
Wire insulation	PVC	PVC
Conductor	Red soft copper	Red soft copper
Formation	According to IEC 60228, VDE 0295 Cl.6	According to IEC 60228, VDE 0295 Cl.6
Wire colours	Brown, Blue, Black	Brown, Blue, Black

Conn. circ. M8 femmina assiale 4 poli ghiera mobile Circular female axial M8 connector 4 poles mobile nut



Visto da "A" / View from "A"



TL08FM04AX**CG**

TL08FM04AX**RG**

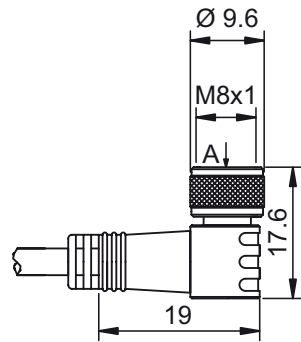
Technical specifications:	PVC cable	PUR cable
Norm reference	IEC 60947-5-2	IEC 60947-5-2
Poles	4	4
Shielded	No	No
Locking system	Thread nut	Thread nut
IP grade	Connected - IP 68	Connected - IP 68
Working temperature	-15° C / +70° C	-25° C / +90° C
Nominal current	4A	4A
Working tension	60 V ac / 75 V dc	60 V ac / 75 V dc
Dielectric test	500 V dc	500 V dc
Insulation resistance	> = 10 GΩ	> = 10 GΩ
Contact resistance	< = 5 mΩ	< = 5 mΩ

Components specifications:		
Type of contact	Turned contact	Turned contact
Contact material	CuZnPb	CuZnPb
Contact treatment	"Ni" (std) or "Ag" or "AuCo"	"Ni" (std) or "Ag" or "AuCo"
Housing material	ABS / PC	ABS / PC
Body material	PUR	PUR
Body colour	Grey RAL 7032	Grey RAL 7032
O. Ring	NBR	NBR
Nut	Brass nickel plated	Brass nickel plated
Cable & wires	See next tab.	See next tab.

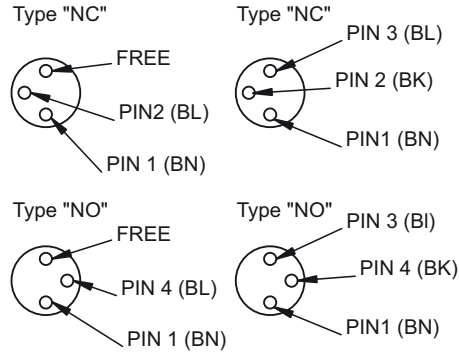
Cable & wires specifications:		
Standard section (mm²)	4x0.25 ÷ 4x0.35	4x0.25 ÷ 4x0.35
Shield	/	/
Standard lengths	1 / 2 / 2.5 / 5 / 10 / 15m	1 / 2 / 2.5 / 5 / 10 / 15m
External sheath	PVC	PUR
External diameter	ø 4.50mm (Max.)	ø 4.50mm (Max.)
Sheath colour	Grey RAL 7032	Grey RAL 7032
Wire insulation	PVC	PVC
Conductor	Red soft copper	Red soft copper
Formation	According to IEC 60228, VDE 0295 Cl.6	According to IEC 60228, VDE 0295 Cl.6
Wire colours	Brown, Blue, Black, White	Brown, Blue, Black, White

Conn. circ. M8 femmina angolo 3 poli ghiera mobile

Circular female angled M8 connector 3 poles mobile nut



Visto da "A" / View from "A"



TL08FM03AN**CG**

TL08FM03AN**RG**

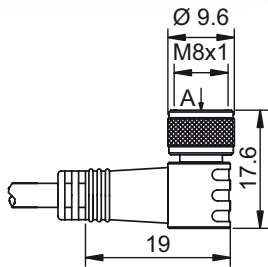
Technical specifications:	PVC cable	PUR cable
Norm reference	IEC 60947-5-2	IEC 60947-5-2
Poles	3	3
Shielded	No	No
Locking system	Thread nut	Thread nut
IP grade	Connected - IP 68	Connected - IP 68
Working temperature	-15° C / +70° C	-25° C / +90° C
Nominal current	4A	4A
Working tension	60 V ac / 75 V dc	60 V ac / 75 V dc
Dielectric test	500 V dc	500 V dc
Insulation resistance	> = 10 GΩ	> = 10 GΩ
Contact resistance	< = 5 mΩ	< = 5 mΩ

Components specifications:		
Type of contact	Turned contact	Turned contact
Contact material	CuZnPb	CuZnPb
Contact treatment	"Ni" (std) or "Ag" or "AuCo"	"Ni" (std) or "Ag" or "AuCo"
Housing material	ABS / PC	ABS / PC
Body material	PUR	PUR
Body colour	Grey RAL 7032	Grey RAL 7032
O.Ring	NBR	NBR
Nut	Brass nickel plated	Brass nickel plated
Cable & wires	See next tab.	See next tab.

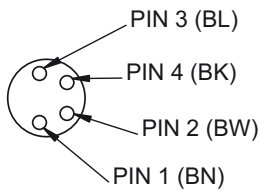
Cable & wires specifications:		
Standard section (mm²)	3x0.25 ÷ 3x0.35	3x0.25 ÷ 3x0.35
Shield	/	/
Standard lengths	1 / 2 / 2.5 / 5 / 10 / 15m	1 / 2 / 2.5 / 5 / 10 / 15m
External sheath	PVC	PUR
External diameter	ø 4.50mm (Max.)	ø 4.50mm (Max.)
Sheath colour	Grey RAL 7032	Grey RAL 7032
Wire insulation	PVC	PVC
Conductor	Red soft copper	Red soft copper
Formation	According to IEC 60228, VDE 0295 Cl.6	According to IEC 60228, VDE 0295 Cl.6
Wire colours	Brown, Blue, Black	Brown, Blue, Black

Connettore circ. M8 femmina angolo 4 poli ghiera mobile

Circular female angled M8 connector 4 poles mobile nut



Visto da "A" / View from "A"



TL08FM04AN**CG**

TL08FM04AN**RG**

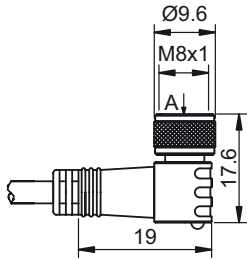
Technical specifications:	PVC cable	PUR cable
Norm reference	IEC 60947-5-2	IEC 60947-5-2
Poles	4	4
Shielded	No	No
Locking system	Thread nut	Thread nut
IP grade	Connected - IP 68	Connected - IP 68
Working temperature	-15° C / +70° C	-25° C / +90° C
Nominal current	4A	4A
Working tension	60 V ac / 75 V dc	60 V ac / 75 V dc
Dielectric test	500 V dc	500 V dc
Insulation resistance	> = 10 GΩ	> = 10 GΩ
Contact resistance	< = 5 mΩ	< = 5 mΩ

Components specifications:		
Type of contact	Turned contact	Turned contact
Contact material	CuZnPb	CuZnPb
Contact treatment	"Ni" (std) or "Ag" or "AuCo"	"Ni" (std) or "Ag" or "AuCo"
Housing material	ABS / PC	ABS / PC
Body material	PUR	PUR
Body colour	Grey RAL 7032	Grey RAL 7032
O. Ring	NBR	NBR
Nut	Brass nickel plated	Brass nickel plated
Cable & wires	See next tab.	See next tab.

Cable & wires specifications:		
Standard section (mm²)	4x0.25 ÷ 4x0.35	4x0.25 ÷ 4x0.35
Shield	/	/
Standard lengths	1 / 2 / 2.5 / 5 / 10 / 15m	1 / 2 / 2.5 / 5 / 10 / 15m
External sheath	PVC	PUR
External diameter	ø 4.50mm (Max.)	ø 4.50mm (Max.)
Sheath colour	Grey RAL 7032	Grey RAL 7032
Wire insulation	PVC	PVC
Conductor	Red soft copper	Red soft copper
Formation	According to IEC 60228, VDE 0295 Cl.6	According to IEC 60228, VDE 0295 Cl.6
Wire colours	Brown, Blue, Black, White	Brown, Blue, Black, White

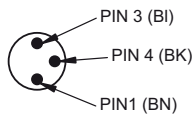
Connettore circolare M8 femmina angolo 3 poli con LED

Circular female angled M8 connector 3 poles with LED

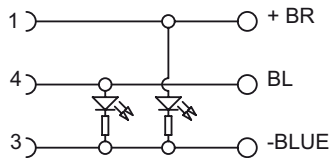


Visto da "A" / View from "A"

Type "NO" PNP



CIRCUIT LED-INDICATOR
(Special circuits on request)



LEDS

Function indicator: Yellow
Operating indicator: Green



TL08LFM03AN**CG**

TL08LFM03AN**RG**

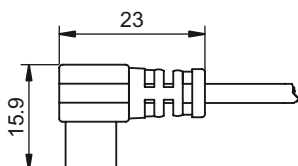
Technical specifications:	PVC cable	PUR cable
Norm reference	IEC 60947-5-2	IEC 60947-5-2
Poles	3	3
Shielded	No	No
Locking system	Thread nut	Thread nut
IP grade	Connected - IP 68	Connected - IP 68
Working temperature	-15° C / +70° C	-25° C / +90° C
Nominal current	4A	4A
Working tension	10 - 30 V dc	10 - 30 V dc
Dielectric test	30 V dc	30 V dc
Insulation resistance	> = 10 GΩ	> = 10 GΩ
Contact resistance	< = 5 mΩ	< = 5 mΩ

Components specifications:		
Type of contact	Turned contact	Turned contact
Contact material	CuZnPb	CuZnPb
Contact treatment	"Ni" (std) or "Ag" or "AuCo"	"Ni" (std) or "Ag" or "AuCo"
Housing material	ABS / PC	ABS / PC
Body material	PUR	PUR
Body colour	/	/
O.Ring	NBR	NBR
Nut	Brass nickel plated	Brass nickel plated
Cable & wires	See next tab.	See next tab.

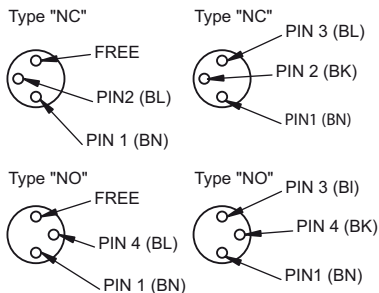
Cable & wires specifications:		
Standard section (mm²)	3x0.25 ÷ 3x0.35	3x0.25 ÷ 3x0.35
Shield	/	/
Standard lengths	1 / 2 / 2.5 / 5 / 10 / 15m	1 / 2 / 2.5 / 5 / 10 / 15m
External sheath	PVC	PUR
External diameter	ø 4.50mm (Max.)	ø 4.50mm (Max.)
Sheath colour	Grey RAL 7032	Grey RAL 7032
Wire insulation	PVC	PVC
Conductor	Red soft copper	Red soft copper
Formation	According to IEC 60228, VDE 0295 Cl.6	According to IEC 60228, VDE 0295 Cl.6
Wire colours	Brown, Blue, Black	Brown, Blue, Black

Connettore circolare SNAP femmina angolo 3 poli

Circular female angled SNAP connector 3 poles



Visto da "A" / View from "A"



TL08FP03AN**CG**

TL08FP03AN**RG**

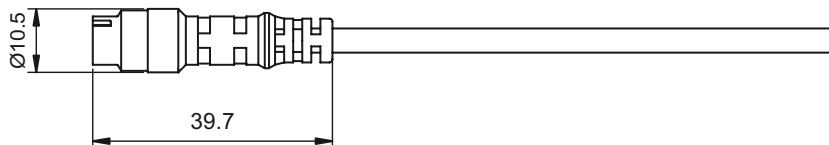
Technical specifications:	PVC cable	PUR cable
Norm reference	IEC 60947-5-2	IEC 60947-5-2
Poles	3	3
Shielded	No	No
Locking system	Snap	Snap
IP grade	Connected - IP 65	Connected - IP 65
Working temperature	-15° C / +70° C	-25° C / +90° C
Nominal current	4A	4A
Working tension	60 V ac / 75 V dc	60 V ac / 75 V dc
Dielectric test	500 V dc	500 V dc
Insulation resistance	> = 10 GΩ	> = 10 GΩ
Contact resistance	< = 5 mΩ	< = 5 mΩ

Components specifications:		
Type of contact	Turned contact	Turned contact
Contact material	CuZnPb	CuZnPb
Contact treatment	"Ni" (std) or "Ag"	"Ni" (std) or "Ag"
Housing material	ABS / PC	ABS / PC
Body material	PUR	PUR
Body colour	Grey RAL 7032	Grey RAL 7032
Cable & wires	See next tab.	See next tab.

Cable & wires specifications:		
Standard section (mm ²)	3x0.25	3x0.25
Shield	/	/
Standard lengths	1 / 2 / 2.5 / 5 / 10 / 15m	1 / 2 / 2.5 / 5 / 10 / 15m
External sheath	PVC	PUR
External diameter	ø 3.50mm (Max.)	ø 3.50mm (Max.)
Sheath colour	Grey RAL 7032	Grey RAL 7032
Wire insulation	PVC	PVC
Conductor	Red soft copper	Red soft copper
Formation	According to IEC 60228, VDE 0295 Cl.6	According to IEC 60228, VDE 0295 Cl.6
Wire colours	Brown, Blue, Black	Brown, Blue, Black

Connettore circolare SNAP maschio assiale 3 poli

Circular male axial SNAP connector 3 poles



Polarizing Key



- 1) BROWN
- 3) BLUE
- 4) BLACK



TL08MP03AX**CG**

TL08MP03AX**RG**

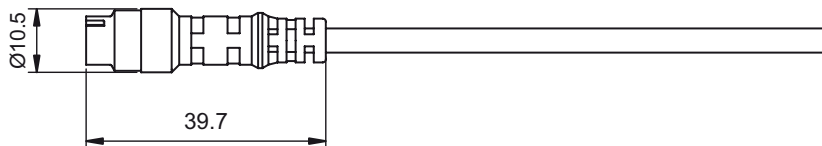
Technical specifications:	PVC cable	PUR cable
Norm reference	/	/
Poles	3	3
Shielded	No	No
Locking system	Snap	Snap
IP grade	Connected - IP 65	Connected - IP 65
Working temperature	-15° C / +70° C	-25° C / +90° C
Nominal current	4A	4A
Working tension	60 V ac / 75 V dc	60 V ac / 75 V dc
Dielectric test	500 V dc	500 V dc
Insulation resistance	> = 10 GΩ	> = 10 GΩ
Contact resistance ₀	< = 5 mΩ	< = 5 mΩ

Components specifications:		
Type of contact	Turned contact	Turned contact
Contact material	CuZnPb	CuZnPb
Contact treatment	"Ni" (std) or "Ag"	"Ni" (std) or "Ag"
Housing material	ABS / PC	ABS / PC
Body material	PUR	PUR
Body colour	Grey RAL 7032	Grey RAL 7032
Cable & wires	See next tab.	See next tab.

Cable & wires specifications:		
Standard section (mm ²)	3x0.25	3x0.25
Shield	/	/
Standard lengths	1 / 2 / 2.5 / 5 / 10 / 15m	1 / 2 / 2.5 / 5 / 10 / 15m
External sheath	PVC	PUR
External diameter	ø 3.50mm (Max.)	ø 3.50mm (Max.)
Sheath colour	Grey RAL 7032	Grey RAL 7032
Wire insulation	PVC	PVC
Conductor	Red soft copper	Red soft copper
Formation	According to IEC 60228, VDE 0295 Cl.6	According to IEC 60228, VDE 0295 Cl.6
Wire colours	Brown, Blue, Black	Brown, Blue, Black

Connettore circolare SNAP maschio assiale 4 poli

Circular male axial SNAP connector 4 poles



Polarizing Key



- 1) BROWN
- 2) WHITE
- 3) BLUE
- 4) BLACK



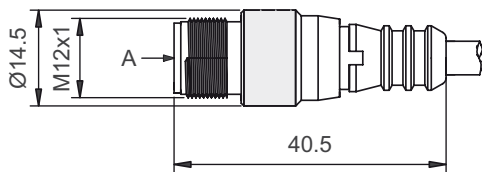
TL08MP04AX**CG**

TL08MP04AX**RG**

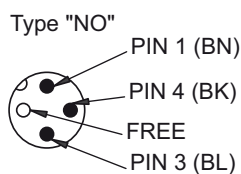
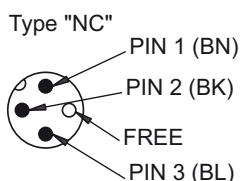
Technical specifications:	PVC cable	PUR cable
Norm reference	/	/
Poles	4	4
Shielded	No	No
Locking system	Snap	Snap
IP grade	Connected - IP 65	Connected - IP 65
Working temperature	-15° C / +70° C	-25° C / +90° C
Nominal current	4A	4A
Working tension	60 V ac / 75 V dc	60 V ac / 75 V dc
Dielectric test	500 V dc	500 V dc
Insulation resistance	> = 10 GΩ	> = 10 GΩ
Contact resistance	< = 5 mΩ	< = 5 mΩ
Components specifications:		
Type of contact	Turned contact	Turned contact
Contact material	CuZnPb	CuZnPb
Contact treatment	"Ni" (std) or "Ag"	"Ni" (std) or "Ag"
Housing material	ABS / PC	ABS / PC
Body material	PUR	PUR
Body colour	Grey RAL 7032	Grey RAL 7032
Cable & wires	See next tab.	See next tab.
Cable & wires specifications:		
Standard section (mm ²)	4x0.25	4x0.25
Shield	/	/
Standard lengths	1 / 2 / 2.5 / 5 / 10 / 15m	1 / 2 / 2.5 / 5 / 10 / 15m
External sheath	PVC	PUR
External diameter	ø 4.00mm (Max.)	ø 4.00mm (Max.)
Sheath colour	Grey RAL 7032	Grey RAL 7032
Wire insulation	PVC	PVC
Conductor	Red soft copper	Red soft copper
Formation	According to IEC 60228, VDE 0295 Cl.6	According to IEC 60228, VDE 0295 Cl.6
Wire colours	Brown, White, Blue, Black	Brown, White, Blue, Black

Connettore circolare M12 maschio assiale 3 poli

Circular male axial M12 connector 3 poles



Visto da "A" / View from "A"



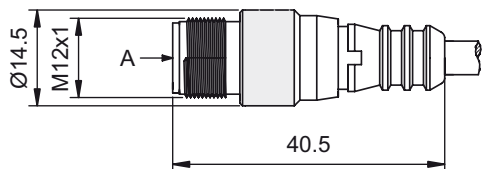
TL12MM03AX**CG**

TL12MM03AX**RG**

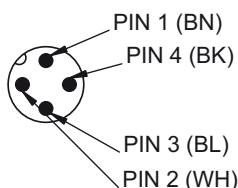
Technical specifications:	PVC cable	PUR cable
Norm reference	IEC 60947-5-2	IEC 60947-5-2
Poles	3	3
Shielded	No	No
Locking system	Thread nut	Thread nut
IP grade	Connected - IP 68	Connected - IP 68
Working temperature	-15° C / +70° C	-25° C / +90° C
Nominal current	4A	4A
Working tension	250 V ac / 300 V dc	250 V ac / 300 V dc
Dielectric test	1000 V dc	1000 V dc
Insulation resistance	> = 10 GΩ	> = 10 GΩ
Contact resistance	< = 5 mΩ	< = 5 mΩ
Components specifications:		
Type of contact	Turned contact	Turned contact
Contact material	CuZnPb	CuZnPb
Contact treatment	"Ni" or "Ag" or "AuCo" (std)	"Ni" or "Ag" or "AuCo" (std)
Housing material	PUR / PC	PUR / PC
Body material	PUR	PUR
Body colour	Grey RAL 7032	Grey RAL 7032
Nut	Brass nickel plated	Brass nickel plated
Cable & wires	See next tab.	See next tab.
Cable & wires specifications:		
Standard section (mm²)	3x0.25 ÷ 3x0.50	3x0.25 ÷ 3x0.50
Shield	/	/
Standard lengths	1 / 2 / 2.5 / 5 / 10 / 15m	1 / 2 / 2.5 / 5 / 10 / 15m
External sheath	PVC	PUR
External diameter	ø 5.40mm (Max.)	ø 5.40mm (Max.)
Sheath colour	Grey RAL 7032	Grey RAL 7032
Wire insulation	PVC	PVC
Conductor	Red soft copper	Red soft copper
Formation	According to IEC 60228, VDE 0295 Cl.6	According to IEC 60228, VDE 0295 Cl.6
Wire colours	Brown, Blue, Black	Brown, Blue, Black

Connettore circolare M12 maschio assiale 4 poli

Circular male axial M12 connector 4 poles



Visto da "A" / View from "A"



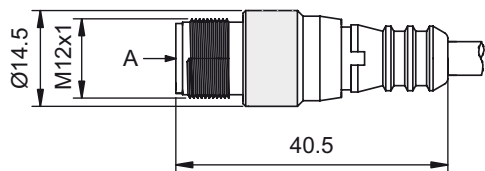
TL12MM04AX**CG**

TL12MM04AX**RG**

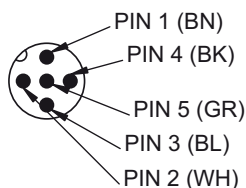
Technical specifications:	PVC cable	PUR cable
Norm reference	IEC 60947-5-2	IEC 60947-5-2
Poles	4	4
Shielded	No	No
Locking system	Thread nut	Thread nut
IP grade	Connected - IP 68	Connected - IP 68
Working temperature	-15° C / +70° C	-25° C / +90° C
Nominal current	4A	4A
Working tension	250 V ac / 300 V dc	250 V ac / 300 V dc
Dielectric test	1000 V dc	1000 V dc
Insulation resistance	> = 10 GΩ	> = 10 GΩ
Contact resistance	< = 5 mΩ	< = 5 mΩ
Components specifications:		
Type of contact	Turned contact	Turned contact
Contact material	CuZnPb	CuZnPb
Contact treatment	"Ni" or "Ag" or "AuCo" (std)	"Ni" or "Ag" or "AuCo" (std)
Housing material	PUR / PC	PUR / PC
Body material	PUR	PUR
Body colour	Grey RAL 7032	Grey RAL 7032
Nut	Brass nickel plated	Brass nickel plated
Cable & wires	See next tab.	See next tab.
Cable & wires specifications:		
Standard section (mm²)	4x0.25 ÷ 4x0.50	4x0.25 ÷ 4x0.50
Shield	/	/
Standard lengths	1 / 2 / 2.5 / 5 / 10 / 15m	1 / 2 / 2.5 / 5 / 10 / 15m
External sheath	PVC	PUR
External diameter	ø 5.40mm (Max.)	ø 5.40mm (Max.)
Sheath colour	Grey RAL 7032	Grey RAL 7032
Wire insulation	PVC	PVC
Conductor	Red soft copper	Red soft copper
Formation	According to IEC 60228, VDE 0295 Cl.6	According to IEC 60228, VDE 0295 Cl.6
Wire colours	Brown, Blue, Black, White	Brown, Blue, Black, White

Connettore circolare M12 maschio assiale 5 poli

Circular male axial M12 connector 5 poles



Visto da "A" / View from "A"



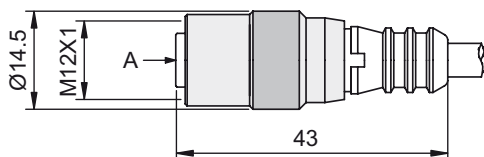
TL12MM05AX**CG**

TL12MM05AX**RG**

Technical specifications:	PVC cable	PUR cable
Norm reference	IEC 60947-5-2	IEC 60947-5-2
Poles	5	5
Shielded	No	No
Locking system	Thread nut	Thread nut
IP grade	Connected - IP 68	Connected - IP 68
Working temperature	-15° C / +70° C	-25° C / +90° C
Nominal current	3A	3A
Working tension	30 V ac / 36 V dc	30 V ac / 36 V dc
Dielectric test	1000 V dc	1000 V dc
Insulation resistance	> = 10 GΩ	> = 10 GΩ
Contact resistance	< = 5 mΩ	< = 5 mΩ
Components specifications:		
Type of contact	Turned contact	Turned contact
Contact material	CuZnPb	CuZnPb
Contact treatment	"Ni" or "Ag" or "AuCo" (std)	"Ni" or "Ag" or "AuCo" (std)
Housing material	PUR / PC	PUR / PC
Body material	PUR	PUR
Body colour	Grey RAL 7032	Grey RAL 7032
Nut	Brass nickel plated	Brass nickel plated
Cable & wires	See next tab.	See next tab.
Cable & wires specifications:		
Standard section (mm²)	5x0.25 ÷ 5x0.50	5x0.25 ÷ 5x0.50
Shield	/	/
Standard lengths	1 / 2 / 2.5 / 5 / 10 / 15m	1 / 2 / 2.5 / 5 / 10 / 15m
External sheath	PVC	PUR
External diameter	ø 5.40mm (Max.)	ø 5.40mm (Max.)
Sheath colour	Grey RAL 7032	Grey RAL 7032
Wire insulation	PVC	PVC
Conductor	Red soft copper	Red soft copper
Formation	According to IEC 60228, VDE 0295 Cl.6	According to IEC 60228, VDE 0295 Cl.6
Wire colours	Brown, Blue, Black, White, Grey	Brown, Blue, Black, White, Grey

Connettore circolare M12 femmina assiale 3 poli

Circular female axial M12 connector 3 poles



Visto da "A" / View from "A"

Type "NC"



Type "NO"



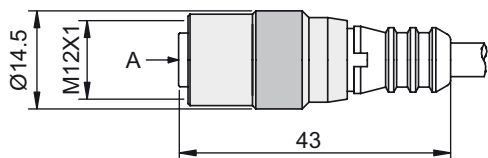
TL12FM03AX**CG**

TL12FM03AX**RG**

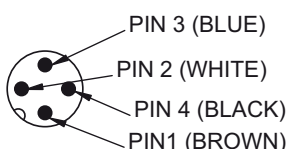
Technical specifications:	PVC cable	PUR cable
Norm reference	IEC 60947-5-2	IEC 60947-5-2
Poles	3	3
Shielded	No	No
Locking system	Thread nut	Thread nut
IP grade	Connected - IP 68	Connected - IP 68
Working temperature	-15° C / +70° C	-25° C / +90° C
Nominal current	4A	4A
Working tension	250 V ac / 300 V dc	250 V ac / 300 V dc
Dielectric test	1000 V dc	1000 V dc
Insulation resistance	> = 10 GΩ	> = 10 GΩ
Contact resistance	< = 5 mΩ	< = 5 mΩ
Components specifications:		
Type of contact	Turned contact	Turned contact
Contact material	CuZnPb	CuZnPb
Contact treatment	"Ni" or "Ag" or "AuCo" (std)	"Ni" or "Ag" or "AuCo" (std)
Housing material	ABS / PC	ABS / PC
Body material	PUR	PUR
Body colour	Grey RAL 7032	Grey RAL 7032
O.Ring	NBR	NBR
Nut	Brass nickel plated	Brass nickel plated
Cable & wires	See next tab.	See next tab.
Cable & wires specifications:		
Standard section (mm²)	3x0.25 ÷ 3x0.50	3x0.25 ÷ 3x0.50
Shield	/	/
Standard lengths	1 / 2 / 2.5 / 5 / 10 / 15m	1 / 2 / 2.5 / 5 / 10 / 15m
External sheath	PVC	PUR
External diameter	ø 5.40mm (Max.)	~ ø 5.40mm
Sheath colour	Grey RAL 7032	Grey RAL 7032
Wire insulation	PVC	PVC
Conductor	Red soft copper	Red soft copper
Formation	According to IEC 60228, VDE 0295 Cl.6	According to IEC 60228, VDE 0295 Cl.6
Wire colours	Brown, Blue, Black	Brown, Blue, Black

Connettore circolare M12 femmina assiale 4 poli

Circular female axial M12 connector 4 poles



Visto da "A" / View from "A"



TL12FM04AX**CG**

TL12FM04AX**RG**

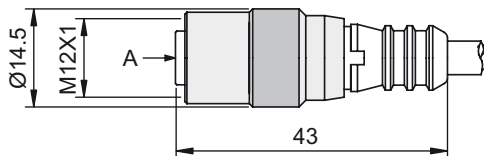
Technical specifications:	PVC cable	PUR cable
Norm reference	IEC 60947-5-2	IEC 60947-5-2
Poles	4	4
Shielded	No	No
Locking system	Thread nut	Thread nut
IP grade	Connected - IP 68	Connected - IP 68
Working temperature	-15° C / +70° C	-25° C / +90° C
Nominal current	4A	4A
Working tension	250 V ac / 300 V dc	250 V ac / 300 V dc
Dielectric test	1000 V dc	1000 V dc
Insulation resistance	> = 10 GΩ	> = 10 GΩ
Contact resistance	< = 5 mΩ	< = 5 mΩ

Components specifications:		
Type of contact	Turned contact	Turned contact
Contact material	CuZnPb	CuZnPb
Contact treatment	"Ni" or "Ag" or "AuCo" (std)	"Ni" or "Ag" or "AuCo" (std)
Housing material	ABS / PC	ABS / PC
Body material	PUR	PUR
Body colour	Grey RAL 7032	Grey RAL 7032
O.Ring	NBR	NBR
Nut	Brass nickel plated	Brass nickel plated
Cable & wires	See next tab.	See next tab.

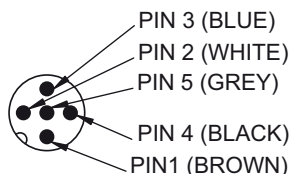
Cable & wires specifications:		
Standard section (mm²)	4x0.25 ÷ 4x0.50	4x0.25 ÷ 4x0.50
Shield	/	/
Standard lengths	1 / 2 / 2.5 / 5 / 10 / 15m	1 / 2 / 2.5 / 5 / 10 / 15m
External sheath	PVC	PUR
External diameter	ø 5.40mm (Max.)	ø 5.40mm (Max.)
Sheath colour	Grey RAL 7032	Grey RAL 7032
Wire insulation	PVC	PVC
Conductor	Red soft copper	Red soft copper
Formation	According to IEC 60228, VDE 0295 Cl.6	According to IEC 60228, VDE 0295 Cl.6
Wire colours	Brown, Blue, Black, White	Brown, Blue, Black, White

Connettore circolare M12 femmina assiale 5 poli

Circular female axial M12 connector 5 poles



Visto da "A" / View from "A"



TL12FM05AX**CG**

TL12FM05AX**RG**

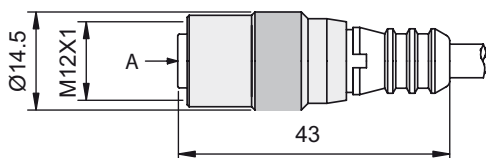
Technical specifications:	PVC cable	PUR cable
Norm reference	IEC 60947-5-2	IEC 60947-5-2
Poles	5	5
Shielded	No	No
Locking system	Thread nut	Thread nut
IP grade	Connected - IP 68	Connected - IP 68
Working temperature	-15° C / +70° C	-25° C / +90° C
Nominal current	3A	3A
Working tension	30 V ac / 36 V dc	30 V ac / 36 V dc
Dielectric test	1000 V dc	1000 V dc
Insulation resistance	> = 10 GΩ	> = 10 GΩ
Contact resistance	< = 5 mΩ	< = 5 mΩ

Components specifications:		
Type of contact	Turned contact	Turned contact
Contact material	CuZnPb	CuZnPb
Contact treatment	"Ni" or "Ag" or "AuCo" (std)	"Ni" or "Ag" or "AuCo" (std)
Housing material	ABS / PC	ABS / PC
Body material	PUR	PUR
Body colour	Grey RAL 7032	Grey RAL 7032
O.Ring	NBR	NBR
Nut	Brass nickel plated	Brass nickel plated
Cable & wires	See next tab.	See next tab.

Cable & wires specifications:		
Standard section (mm²)	5x0.25 ÷ 5x0.50	5x0.25 ÷ 5x0.50
Shield	/	/
Standard lengths	1 / 2 / 2.5 / 5 / 10 / 15m	1 / 2 / 2.5 / 5 / 10 / 15m
External sheath	PVC	PUR
External diameter	ø 5.40mm (Max.)	ø 5.40mm (Max.)
Sheath colour	Grey RAL 7032	Grey RAL 7032
Wire insulation	PVC	PVC
Conductor	Red soft copper	Red soft copper
Formation	According to IEC 60228, VDE 0295 Cl.6	According to IEC 60228, VDE 0295 Cl.6
Wire colours	Brown, Blue, Black, White, Grey	Brown, Blue, Black, White, Grey

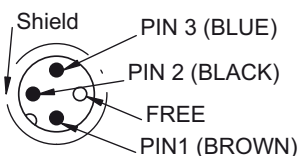
Connettore circ. M12 femmina assiale schermato 3 poli

Circular female axial shielded M12 connector 3 poles

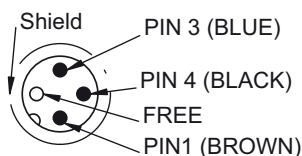


Visto da "A" / View from "A"

Type "NC"



Type "NO"



TL12FSM03AX**CG**

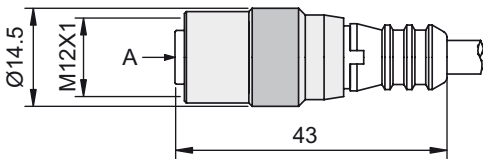
TL12FSM03AX**RG**

Technical specifications:	PVC cable	PUR cable
Norm reference	IEC 60947-5-2	IEC 60947-5-2
Poles	3	3
Shielded	Yes	Yes
Locking system	Thread nut	Thread nut
IP grade	Connected - IP 68	Connected - IP 68
Working temperature	-15° C / +70° C	-25° C / +90° C
Nominal current	4A	4A
Working tension	250 V ac / 300 V dc	250 V ac / 300 V dc
Dielectric test	1000 V dc	1000 V dc
Insulation resistance	> = 10 GΩ	> = 10 GΩ
Contact resistance	< = 5 mΩ	< = 5 mΩ

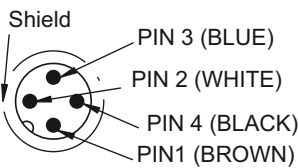
Components specifications:		
Type of contact	Turned contact	Turned contact
Contact material	CuZnPb	CuZnPb
Contact treatment	"Ni" or "Ag" or "AuCo" (std)	"Ni" or "Ag" or "AuCo" (std)
Housing material	ABS / PC	ABS / PC
Body material	PUR	PUR
Body colour	Grey RAL 7032	Grey RAL 7032
O.Ring	NBR	NBR
Nut	Brass nickel plated	Brass nickel plated
Cable & wires	See next tab.	See next tab.

Cable & wires specifications:		
Standard section (mm²)	3x0.25 ÷ 3x0.35	3x0.25 ÷ 3x0.35
Shield + DW	Tinned copper	Tinned copper
Standard lengths	1 / 2 / 2.5 / 5 / 10 / 15m	1 / 2 / 2.5 / 5 / 10 / 15m
External sheath	PVC	PUR
External diameter	ø 5.40mm (Max.)	~ ø 5.40mm
Sheath colour	Grey RAL 7032	Grey RAL 7032
Wire insulation	PVC	PVC
Conductor	Red soft copper	Red soft copper
Formation	According to IEC 60228, VDE 0295 Cl.6	According to IEC 60228, VDE 0295 Cl.6
Wire colours	Brown, Blue, Black	Brown, Blue, Black

Connettore circ. M12 femmina assiale schermato 4 poli Circular female axial shielded M12 connector 4 poles



Visto da "A" / View from "A"



TL12FSM04AX**CG**

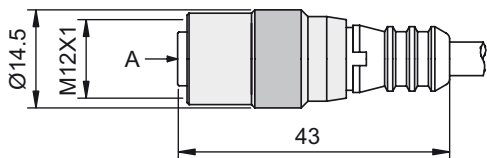
TL12FSM04AX**RG**

Technical specifications:	PVC cable	PUR cable
Norm reference	IEC 60947-5-2	IEC 60947-5-2
Poles	4	4
Shielded	Yes	Yes
Locking system	Thread nut	Thread nut
IP grade	Connected - IP 68	Connected - IP 68
Working temperature	-15° C / +70° C	-25° C / +90° C
Nominal current	4A	4A
Working tension	250 V ac / 300 V dc	250 V ac / 300 V dc
Dielectric test	1000 V dc	1000 V dc
Insulation resistance	> = 10 GΩ	> = 10 GΩ
Contact resistance	< = 5 mΩ	< = 5 mΩ

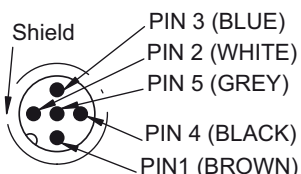
Components specifications:		
Type of contact	Turned contact	Turned contact
Contact material	CuZnPb	CuZnPb
Contact treatment	"Ni" or "Ag" or "AuCo" (std)	"Ni" or "Ag" or "AuCo" (std)
Housing material	ABS / PC	ABS / PC
Body material	PUR	PUR
Body colour	Grey RAL 7032	Grey RAL 7032
O.Ring	NBR	NBR
Nut	Brass nickel plated	Brass nickel plated
Cable & wires	See next tab.	See next tab.

Cable & wires specifications:		
Standard section (mm²)	4x0.25 ÷ 4x0.35	4x0.25 ÷ 4x0.35
Shield + DW	Tinned copper	Tinned copper
Standard lengths	1 / 2 / 2.5 / 5 / 10 / 15m	1 / 2 / 2.5 / 5 / 10 / 15m
External sheath	PVC	PUR
External diameter	ø 5.40mm (Max.)	ø 5.40mm (Max.)
Sheath colour	Grey RAL 7032	Grey RAL 7032
Wire insulation	PVC	PVC
Conductor	Red soft copper	Red soft copper
Formation	According to IEC 60228, VDE 0295 Cl.6	According to IEC 60228, VDE 0295 Cl.6
Wire colours	Brown, Blue, Black, White	Brown, Blue, Black, White

Connettore circ. M12 femmina assiale schermato 5 poli Circular female axial shielded M12 connector 5 poles



Visto da "A" / View from "A"



TL12FSM05AX**CG**

TL12FSM05AX**RG**

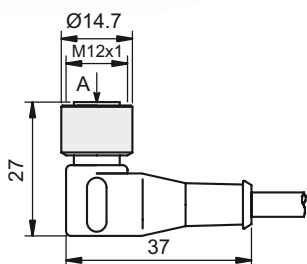
Technical specifications:	PVC cable	PUR cable
Norm reference	IEC 60947-5-2	IEC 60947-5-2
Poles	5	5
Shielded	Yes	Yes
Locking system	Thread nut	Thread nut
IP grade	Connected - IP 68	Connected - IP 68
Working temperature	-15° C / +70° C	-25° C / +90° C
Nominal current	3A	3A
Working tension	30 V ac / 36 V dc	30 V ac / 36 V dc
Dielectric test	1000 V dc	1000 V dc
Insulation resistance	> = 10 GΩ	> = 10 GΩ
Contact resistance	< = 5 mΩ	< = 5 mΩ

Components specifications:		
Type of contact	Turned contact	Turned contact
Contact material	CuZnPb	CuZnPb
Contact treatment	"Ni" or "Ag" or "AuCo" (std)	"Ni" or "Ag" or "AuCo" (std)
Housing material	ABS / PC	ABS / PC
Body material	PUR	PUR
Body colour	Grey RAL 7032	Grey RAL 7032
O.Ring	NBR	NBR
Nut	Brass nickel plated	Brass nickel plated
Cable & wires	See next tab.	See next tab.

Cable & wires specifications:		
Standard section (mm ²)	5x0.25 ÷ 5x0.35	5x0.25 ÷ 5x0.35
Shield + DW	Tinned copper	Tinned copper
Standard lengths	1 / 2 / 2.5 / 5 / 10 / 15m	1 / 2 / 2.5 / 5 / 10 / 15m
External sheath	PVC	PUR
External diameter	ø 5.40mm (Max.)	ø 5.40mm (Max.)
Sheath colour	Grey RAL 7032	Grey RAL 7032
Wire insulation	PVC	PVC
Conductor	Red soft copper	Red soft copper
Formation	According to IEC 60228, VDE 0295 Cl.6	According to IEC 60228, VDE 0295 Cl.6
Wire colours	Brown, Blue, Black, White, Grey	Brown, Blue, Black, White, Grey

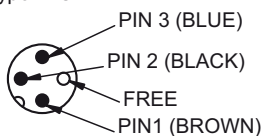
Connettore circolare M12 femmina angolo 3 poli

Circular female angled M12 connector 3 poles

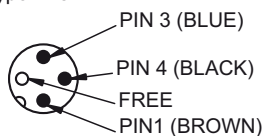


Visto da "A" / View from "A"

Type "NC"



Type "NO"



TL12FM03AN**CG**

TL12FM03AN**RG**

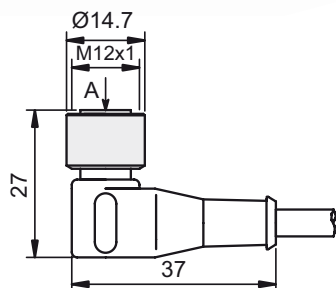
Technical specifications:	PVC cable	PUR cable
Norm reference	IEC 60947-5-2	IEC 60947-5-2
Poles	3	3
Shielded	No	No
Locking system	Thread nut	Thread nut
IP grade	Connected - IP 68	Connected - IP 68
Working temperature	-15° C / +70° C	-25° C / +90° C
Nominal current	4A	4A
Working tension	250 V ac / 300 V dc	250 V ac / 300 V dc
Dielectric test	1000 V dc	1000 V dc
Insulation resistance	> = 10 GΩ	> = 10 GΩ
Contact resistance	< = 5 mΩ	< = 5 mΩ

Components specifications:		
Type of contact	Turned contact	Turned contact
Contact material	CuZnPb	CuZnPb
Contact treatment	"Ni" or "Ag" or "AuCo" (std)	"Ni" or "Ag" or "AuCo" (std)
Housing material	ABS / PC	ABS / PC
Body material	PUR	PUR
Body colour	Grey RAL 7032	Grey RAL 7032
O.Ring	NBR	NBR
Nut	Brass nickel plated	Brass nickel plated
Cable & wires	See next tab.	See next tab.

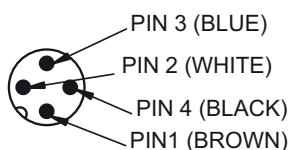
Cable & wires specifications:		
Standard section (mm²)	3x0.25 ÷ 3x0.50	3x0.25 ÷ 3x0.50
Shield	/	/
Standard lengths	1 / 2 / 2.5 / 5 / 10 / 15m	1 / 2 / 2.5 / 5 / 10 / 15m
External sheath	PVC	PUR
External diameter	ø 5.40mm (Max.)	~ ø 5.40mm
Sheath colour	Grey RAL 7032	Grey RAL 7032
Wire insulation	PVC	PVC
Conductor	Red soft copper	Red soft copper
Formation	According to IEC 60228, VDE 0295 Cl.6	According to IEC 60228, VDE 0295 Cl.6
Wire colours	Brown, Blue, Black	Brown, Blue, Black

Connettore circolare M12 femmina angolo 4 poli

Circular female angled M12 connector 4 poles



Visto da "A" / View from "A"



TL12FM04AN**CG**

TL12FM04AN**RG**

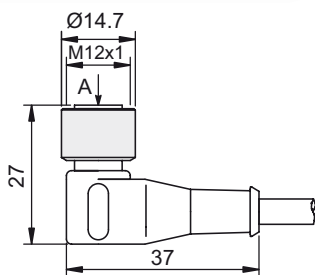
Technical specifications:	PVC cable	PUR cable
Norm reference	IEC 60947-5-2	IEC 60947-5-2
Poles	4	4
Shielded	No	No
Locking system	Thread nut	Thread nut
IP grade	Connected - IP 68	Connected - IP 68
Working temperature	-15° C / +70° C	-25° C / +90° C
Nominal current	4A	4A
Working tension	250 V ac / 300 V dc	250 V ac / 300 V dc
Dielectric test	1000 V dc	1000 V dc
Insulation resistance	> = 10 GΩ	> = 10 GΩ
Contact resistance	< = 5 mΩ	< = 5 mΩ

Components specifications:		
Type of contact	Turned contact	Turned contact
Contact material	CuZnPb	CuZnPb
Contact treatment	"Ni" or "Ag" or "AuCo" (std)	"Ni" or "Ag" or "AuCo" (std)
Housing material	ABS / PC	ABS / PC
Body material	PUR	PUR
Body colour	Grey RAL 7032	Grey RAL 7032
O.Ring	NBR	NBR
Nut	Brass nickel plated	Brass nickel plated
Cable & wires	See next tab.	See next tab.

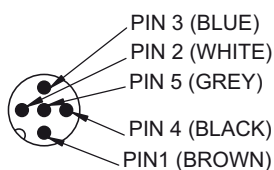
Cable & wires specifications:		
Standard section (mm²)	4x0.25 ÷ 4x0.50	4x0.25 ÷ 4x0.50
Shield	/	/
Standard lengths	1 / 2 / 2.5 / 5 / 10 / 15m	1 / 2 / 2.5 / 5 / 10 / 15m
External sheath	PVC	PUR
External diameter	ø 5.40mm (Max.)	ø 5.40mm (Max.)
Sheath colour	Grey RAL 7032	Grey RAL 7032
Wire insulation	PVC	PVC
Conductor	Red soft copper	Red soft copper
Formation	According to IEC 60228, VDE 0295 Cl.6	According to IEC 60228, VDE 0295 Cl.6
Wire colours	Brown, Blue, Black, White	Brown, Blue, Black, White

Connettore circolare M12 femmina angolo 5 poli

Circular female angled M12 connector 5 poles



Visto da "A" / View from "A"



TL12FM05AN**CG**

TL12FM05AN**RG**

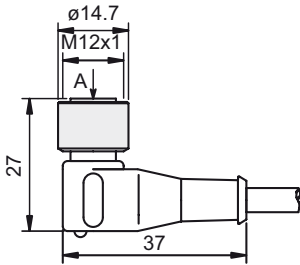
Technical specifications:	PVC cable	PUR cable
Norm reference	IEC 60947-5-2	IEC 60947-5-2
Poles	5	5
Shielded	No	No
Locking system	Thread nut	Thread nut
IP grade	Connected - IP 68	Connected - IP 68
Working temperature	-15° C / +70° C	-25° C / +90° C
Nominal current	3A	3A
Working tension	30 V ac / 36 V dc	30 V ac / 36 V dc
Dielectric test	1000 V dc	1000 V dc
Insulation resistance	> = 10 GΩ	> = 10 GΩ
Contact resistance	< = 5 mΩ	< = 5 mΩ

Components specifications:		
Type of contact	Turned contact	Turned contact
Contact material	CuZnPb	CuZnPb
Contact treatment	"Ni" or "Ag" or "AuCo" (std)	"Ni" or "Ag" or "AuCo" (std)
Housing material	ABS / PC	ABS / PC
Body material	PUR	PUR
Body colour	Grey RAL 7032	Grey RAL 7032
O.Ring	NBR	NBR
Nut	Brass nickel plated	Brass nickel plated
Cable & wires	See next tab.	See next tab.

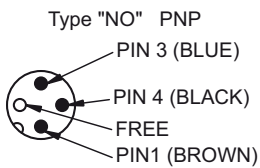
Cable & wires specifications:		
Standard section (mm²)	5x0.25 ÷ 5x0.50	5x0.25 ÷ 5x0.50
Shield	/	/
Standard lengths	1 / 2 / 2.5 / 5 / 10 / 15m	1 / 2 / 2.5 / 5 / 10 / 15m
External sheath	PVC	PUR
External diameter	ø 5.40mm (Max.)	ø 5.40mm (Max.)
Sheath colour	Grey RAL 7032	Grey RAL 7032
Wire insulation	PVC	PVC
Conductor	Red soft copper	Red soft copper
Formation	According to IEC 60228, VDE 0295 Cl.6	According to IEC 60228, VDE 0295 Cl.6
Wire colours	Brown, Blue, Black, White, Grey	Brown, Blue, Black, White, Grey

Connettore circ. M12 femmina angolo 3 poli con LED

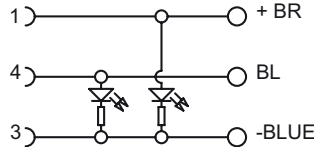
Circular female angled M12 connector 3 poles with LED



Visto da "A" / View from "A"



CIRCUIT LED-INDICATOR
(Special circuits on request)



LEDS
Function indicator: Yellow
Operating indicator: Green



TL12LFM03ANCG****

TL12LFM03ANRG****

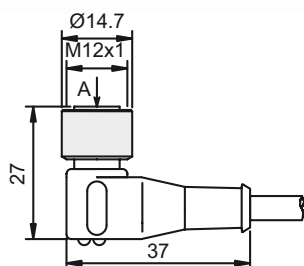
Technical specifications:	PVC cable	PUR cable
Norm reference	IEC 60947-5-2	IEC 60947-5-2
Poles	3	3
Shielded	No	No
Locking system	Thread nut	Thread nut
IP grade	Connected - IP 68	Connected - IP 68
Working temperature	-15° C / +70° C	-25° C / +90° C
Nominal current	4A	4A
Working tension	10 - 30 V dc	10 - 30 V dc
Dielectric test	30 V dc	30 V dc
Insulation resistance	> = 10 GΩ	> = 10 GΩ
Contact resistance	< = 5 mΩ	< = 5 mΩ

Components specifications:		
Type of contact	Turned contact	Turned contact
Contact material	CuZnPb	CuZnPb
Contact treatment	"Ni" or "Ag" or "AuCo" (std)	"Ni" or "Ag" or "AuCo" (std)
Housing material	ABS / PC	ABS / PC
Body material	PUR	PUR
Body colour	/	/
O.Ring	NBR	NBR
Nut	Brass nickel plated	Brass nickel plated
Cable & wires	See next tab.	See next tab.

Cable & wires specifications:		
Standard section (mm²)	3x0.25 ÷ 3x0.35	3x0.25 ÷ 3x0.35
Shield	/	/
Standard lengths	1 / 2 / 2.5 / 5 / 10 / 15m	1 / 2 / 2.5 / 5 / 10 / 15m
External sheath	PVC	PUR
External diameter	ø 5.40mm (Max.)	~ ø 5.40mm
Sheath colour	Grey RAL 7032	Grey RAL 7032
Wire insulation	PVC	PVC
Conductor	Red soft copper	Red soft copper
Formation	According to IEC 60228, VDE 0295 Cl.6	According to IEC 60228, VDE 0295 Cl.6
Wire colours	Brown, Blue, Black	Brown, Blue, Black

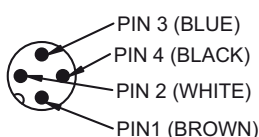
Connettore circ. M12 femmina angolo 4 poli con LED

Circular female angled M12 connector 4 poles with LED

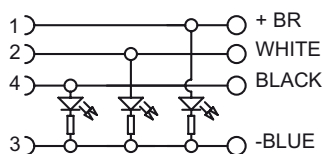


Visto da "A" / View from "A"

Type "NO" PNP



CIRCUIT LED-INDICATOR
(Special circuits on request)



LEDS

Function indicator: Yellow
Operating indicator: Green



TL12LFM04AN**CG**

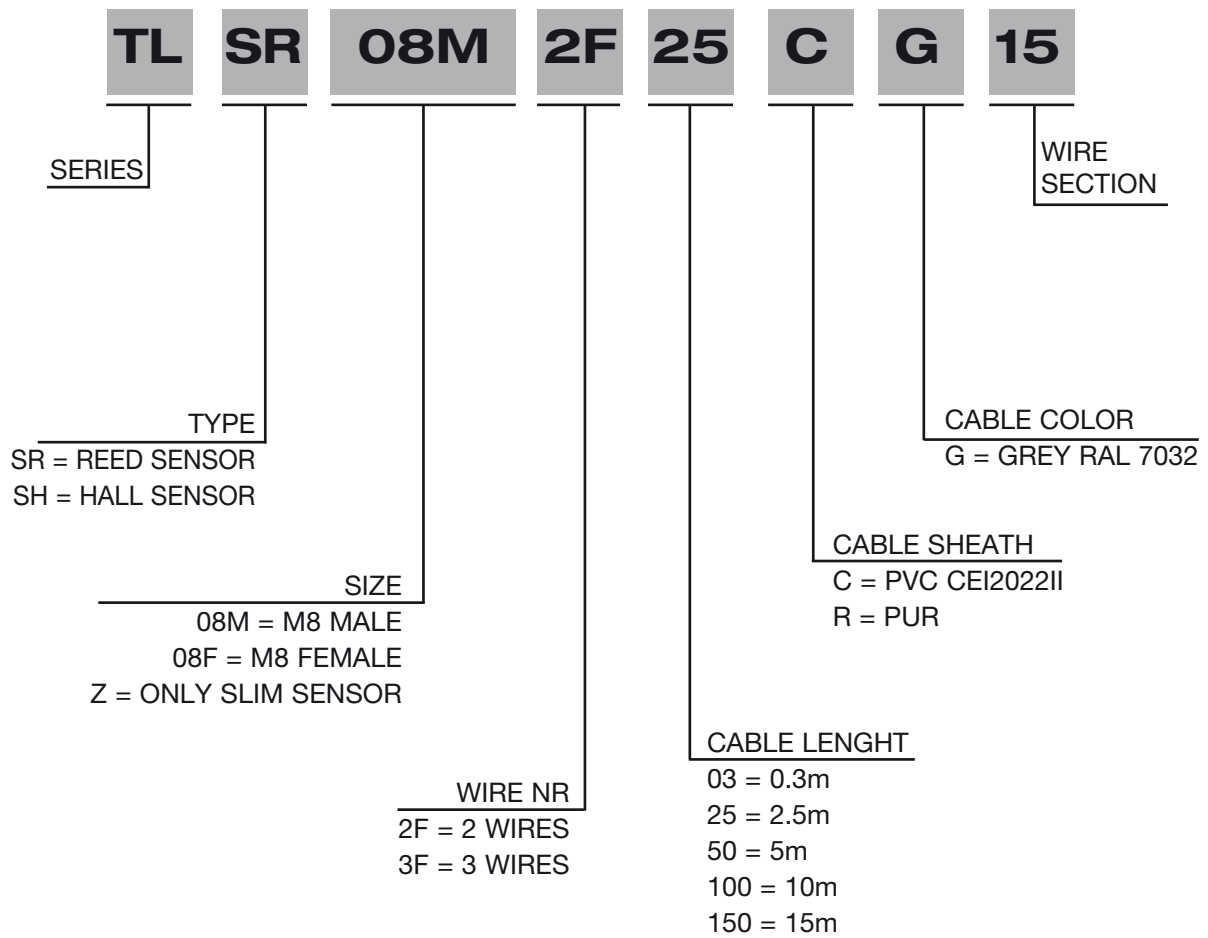
TL12LFM04AN**RG**

Technical specifications:	PVC cable	PUR cable
Norm reference	IEC 60947-5-2	IEC 60947-5-2
Poles	4	4
Shielded	No	No
Locking system	Thread nut	Thread nut
IP grade	Connected - IP 68	Connected - IP 68
Working temperature	-15° C / +70° C	-25° C / +90° C
Nominal current	4A	4A
Working tension	10 - 30 V dc	10 - 30 V dc
Dielectric test	30 V dc	30 V dc
Insulation resistance	> = 10 GΩ	> = 10 GΩ
Contact resistance	< = 5 mΩ	< = 5 mΩ

Components specifications:		
Type of contact	Turned contact	Turned contact
Contact material	CuZnPb	CuZnPb
Contact treatment	"Ni" or "Ag" or "AuCo" (std)	"Ni" or "Ag" or "AuCo" (std)
Housing material	ABS / PC	ABS / PC
Body material	PUR	PUR
Body colour	/	/
O.Ring	NBR	NBR
Nut	Brass nickel plated	Brass nickel plated
Cable & wires	See next tab.	See next tab.

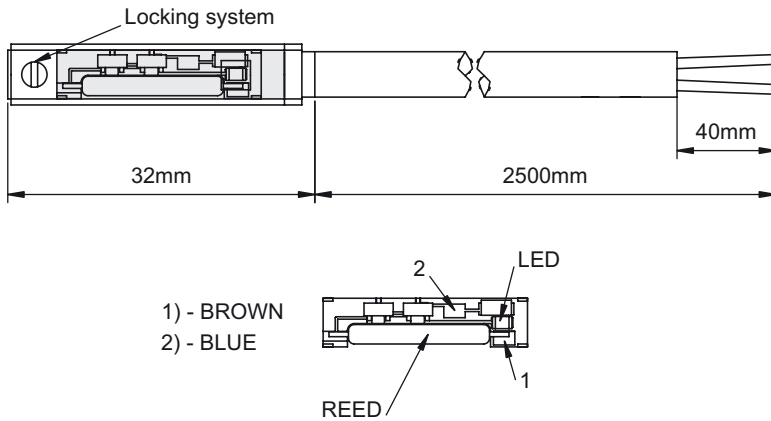
Cable & wires specifications:		
Standard section (mm²)	4x0.25 ÷ 4x0.35	4x0.25 ÷ 4x0.35
Shield	/	/
Standard lengths	1 / 2 / 2.5 / 5 / 10 / 15m	1 / 2 / 2.5 / 5 / 10 / 15m
External sheath	PVC	PUR
External diameter	ø 5.40mm (Max.)	ø 5.40mm (Max.)
Sheath colour	Grey RAL 7032	Grey RAL 7032
Wire insulation	PVC	PVC
Conductor	Red soft copper	Red soft copper
Formation	According to IEC 60228, VDE 0295 Cl.6	According to IEC 60228, VDE 0295 Cl.6
Wire colours	Brown, Blue, Black, White	Brown, Blue, Black, White

Model Numbering System



Sensore magnetico "REED" 2 fili per cilindri

"REED" magnetic sensor 2 wires for cylinders



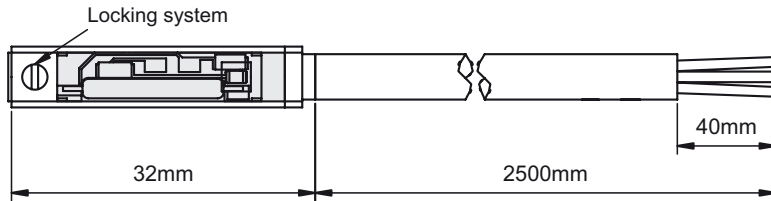
TLSRZ2F25CG15

TLSRZ2F25RG15

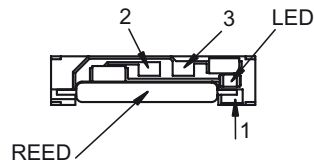
Technical specifications:	PVC cable	PUR cable
Poles	2	2
Locking system	Screw	Screw
IP grade	Connected - IP 65	Connected - IP 65
Working temperature	-15° C / +70° C	-15° C / +70° C
Nominal current	0.2 A	0.2 A
Working tension	3÷30V ac/dc	3÷30V ac/dc
Components specifications:		
Housing material	PA66 + FV	PA66 + FV
Body colour	Black	Black
Screw	Brass nickel plated	Brass nickel plated
Cable & wires	See next tab.	See next tab.
Cable & wires specifications:		
Standard section (mm ²)	2x0.15	2x0.15
Standard lengths	2.5m (Others on request)	2.5m (Others on request)
External sheath	PVC	PUR
External diameter	ø 2.70mm (Max.)	ø 2.70mm (Max.)
Sheath colour	Grey RAL 7032	Grey RAL 7032
Wire insulation	PVC	PVC
Conductor	Red soft copper	Red soft copper
Formation	According to IEC 60228, VDE 0295 Cl.6	According to IEC 60228, VDE 0295 Cl.6
Wire colours	Brown, Blue	Brown, Blue

Sensore magnetico "REED" 3 fili per cilindri

"REED" magnetic sensor 3 wires for cylinders



- 1) - BROWN
- 2) - BLUE
- 3) - BLACK



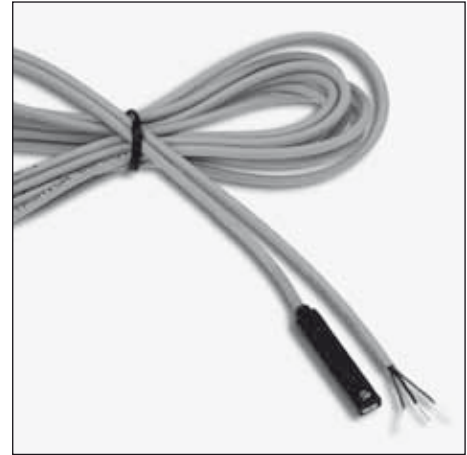
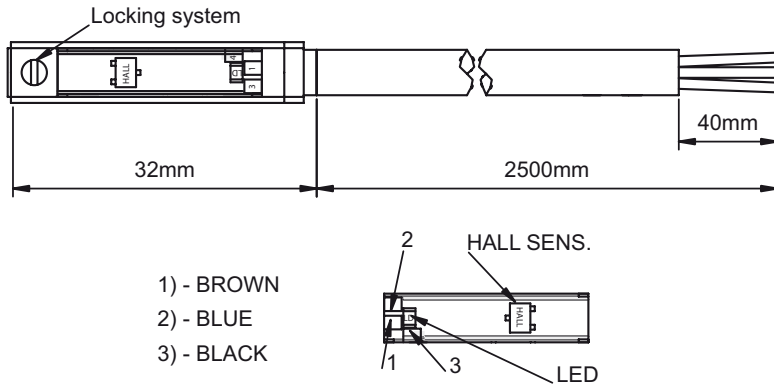
TLSRZ3F25CG15

TLSRZ3F25RG15

Technical specifications:	PVC cable	PUR cable
Poles	3	3
Locking system	Screw	Screw
IP grade	Connected - IP 65	Connected - IP 65
Working temperature	-15° C / +70° C	-15° C / +70° C
Nominal current	0.2 A	0.2 A
Working tension	3÷30V ac/dc	3÷30V ac/dc
Components specifications:		
Housing material	PA66 + FV	PA66 + FV
Body colour	Black	Black
Screw	Brass nickel plated	Brass nickel plated
Cable & wires	See next tab.	See next tab.
Cable & wires specifications:		
Standard section (mm ²)	3x0.15	3x0.15
Standard lengths	2.5m (Others on request)	2.5m (Others on request)
External sheath	PVC	PUR
External diameter	ø 2.70mm (Max.)	ø 2.70mm (Max.)
Sheath colour	Grey RAL 7032	Grey RAL 7032
Wire insulation	PVC	PVC
Conductor	Red soft copper	Red soft copper
Formation	According to IEC 60228, VDE 0295 Cl.6	According to IEC 60228, VDE 0295 Cl.6
Wire colours	Brown, Blue, Black	Brown, Blue, Black

Sensore magnetico "HALL" 3 fili per cilindri

"HALL" magnetic sensor 3 wires for cylinders



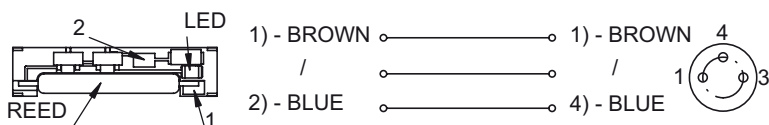
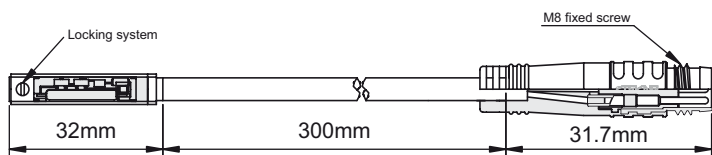
TLSHZ3F25CG15

TLSHZ3F25RG15

Technical specifications:	PVC cable	PUR cable
Poles	3	3
Locking system	Screw	Screw
IP grade	Connected - IP 65	Connected - IP 65
Working temperature	-15° C / +70° C	-15° C / +70° C
Nominal current	0.2 A	0.2 A
Working tension	3÷30V ac/dc	3÷30V ac/dc
Components specifications:		
Housing material	PA66 + FV	PA66 + FV
Body colour	Black	Black
Screw	Brass nickel plated	Brass nickel plated
Cable & wires	See next tab.	See next tab.
Cable & wires specifications:		
Standard section (mm ²)	3x0.15	3x0.15
Standard lengths	2.5m (Others on request)	2.5m (Others on request)
External sheath	PVC	PUR
External diameter	ø 2.70mm (Max.)	ø 2.70mm (Max.)
Sheath colour	Grey RAL 7032	Grey RAL 7032
Wire insulation	PVC	PVC
Conductor	Red soft copper	Red soft copper
Formation	According to IEC 60228, VDE 0295 Cl.6	According to IEC 60228, VDE 0295 Cl.6
Wire colours	Brown, Blue, Black	Brown, Blue, Black

Sensore magnetico "REED" + M8 maschio 2 fili per cilindri

"REED" magnetic sensor + male M8 2 wires for cylinders



TLSR08M2F03CG15

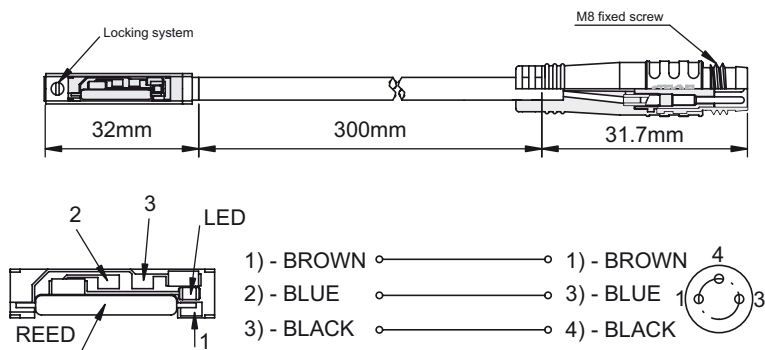
TLSR08M2F03RG15

Technical specifications:	PVC cable	PUR cable
Poles	2	2
Locking system	Screw	Screw
IP grade	Connected - IP 65	Connected - IP 65
Working temperature	-15° C / +70° C	-15° C / +70° C
Nominal current	0.2 A	0.2 A
Working tension	3÷30V ac/dc	3÷30V ac/dc

Components specifications:		
Type of contact	Turned contact	Turned contact
Contact material	CuZnPb	CuZnPb
Contact treatment	"Ni" (std) or "Ag" or "AuCo"	"Ni" (std) or "Ag" or "AuCo"
Housing material(Connector)	ABS / PC	ABS / PC
Body material(Connector)	PUR	PUR
Body colour	Grey RAL 7032	Grey RAL 7032
Body material(Sensor)	PA66 + FV	PA66 + FV
Body colour	Black	Black
Screw	Brass nickel plated	Brass nickel plated
Cable & wires	See next tab.	See next tab.

Cable & wires specifications:		
Standard section (mm ²)	2x0.15	2x0.15
Standard lengths	0.3m (Others on request)	0.3m (Others on request)
External sheath	PVC	PUR
External diameter	ø 2.70mm (Max.)	ø 2.70mm (Max.)
Sheath colour	Grey RAL 7032	Grey RAL 7032
Wire insulation	PVC	PVC
Conductor	Red soft copper	Red soft copper
Formation	According to IEC 60228, VDE 0295 Cl.6	According to IEC 60228, VDE 0295 Cl.6
Wire colours	Brown, Blue	Brown, Blue

Sensore magnetico "REED" + M8 maschio 3 fili per cilindri "REED" magnetic sensor + male M8 3 wires for cylinders



TLSR08M3F03CG15

TLSR08M3F03RG15

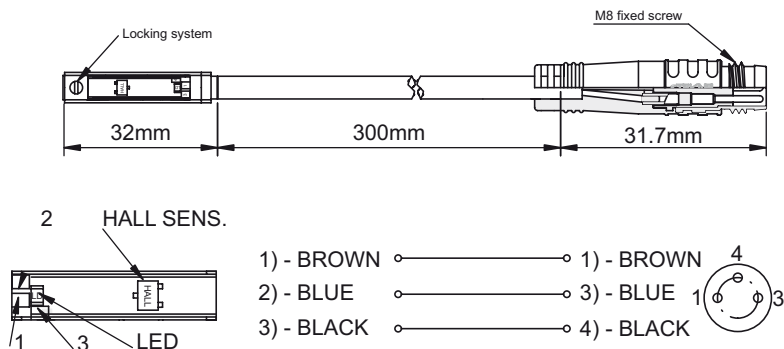
Technical specifications:	PVC cable	PUR cable
Poles	3	3
Locking system	Screw	Screw
IP grade	Connected - IP 65	Connected - IP 65
Working temperature	-15° C / +70° C	-15° C / +70° C
Nominal current	0.2 A	0.2 A
Working tension	3÷30V ac/dc	3÷30V ac/dc

Components specifications:		
Type of contact	Turned contact	Turned contact
Contact material	CuZnPb	CuZnPb
Contact treatment	"Ni" (std) or "Ag" or "AuCo"	"Ni" (std) or "Ag" or "AuCo"
Housing material(Connector)	ABS / PC	ABS / PC
Body material(Connector)	PUR	PUR
Body colour	Grey RAL 7032	Grey RAL 7032
Body material(Sensor)	PA66 + FV	PA66 + FV
Body colour	Black	Black
Screw	Brass nickel plated	Brass nickel plated
Cable & wires	See next tab.	See next tab.

Cable & wires specifications:		
Standard section (mm ²)	3x0.15	3x0.15
Standard lengths	0.3m (Others on request)	0.3m (Others on request)
External sheath	PVC	PUR
External diameter	ø 2.70mm (Max.)	ø 2.70mm (Max.)
Sheath colour	Grey RAL 7032	Grey RAL 7032
Wire insulation	PVC	PVC
Conductor	Red soft copper	Red soft copper
Formation	According to IEC 60228, VDE 0295 Cl.6	According to IEC 60228, VDE 0295 Cl.6
Wire colours	Brown, Blue, Black	Brown, Blue, Black

Sensore magnetico "HALL" + M8 maschio 3 fili per cilindri

"HALL" magnetic sensor + male M8 3 wires for cylinders



TLSH08M3F03CG15

TLSH08M3F03RG15

Technical specifications:	PVC cable	PUR cable
Poles	3	3
Locking system	Screw	Screw
IP grade	Connected - IP 65	Connected - IP 65
Working temperature	-15° C / +70° C	-15° C / +70° C
Nominal current	0.2 A	0.2 A
Working tension	3÷30V ac/dc	3÷30V ac/dc

Components specifications:		
Type of contact	Turned contact	Turned contact
Contact material	CuZnPb	CuZnPb
Contact treatment	"Ni" (std) or "Ag" or "AuCo"	"Ni" (std) or "Ag" or "AuCo"
Housing material(Connector)	ABS / PC	ABS / PC
Body material(Connector)	PUR	PUR
Body colour	Grey RAL 7032	Grey RAL 7032
Body material(Sensor)	PA66 + FV	PA66 + FV
Body colour	Black	Black
Screw	Brass nickel plated	Brass nickel plated
Cable & wires	See next tab.	See next tab.

Cable & wires specifications:		
Standard section (mm ²)	3x0.15	3x0.15
Standard lengths	0.3m (Others on request)	0.3m (Others on request)
External sheath	PVC	PUR
External diameter	ø 2.70mm (Max.)	ø 2.70mm (Max.)
Sheath colour	Grey RAL 7032	Grey RAL 7032
Wire insulation	PVC	PVC
Conductor	Red soft copper	Red soft copper
Formation	According to IEC 60228, VDE 0295 Cl.6	According to IEC 60228, VDE 0295 Cl.6
Wire colours	Brown, Blue, Black	Brown, Blue, Black



TEK[®]NEL

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