

# THE LARGE PROFESSIONAL SENSOR.

Fixed sizes for the future: the E-series M12 and FIXCON®.



Challenges are a routine matter for the circular connectors of the E-series M12 or FIXCON®: inductive or capacitive proximity switches, photoelectric barriers, flow monitoring devices, pressure switches, limit switch connections, photoelectric barriers, AS interface bus components and field bus components – the best is just good enough. And in order to ensure a particularly long life, Hirschmann circular connectors are protected against dust and moisture and are resistant to many oils and chemical substances.

The ergonomic design of E-series makes handling easier; as a result, the connection of sensor and actuator technology in automation systems as for example in automatic installation units and machine tools can be done quickly and promptly. Our engineered design prevents the accidental unscrewing of the coupling nut. This provides an additional advantage in terms of safety in all fields of application that are subject to high vibration loads, for example in conveyor belt equipment and automatic punch presses. It is especially in the FIXCON® series that these quick connect, push-lock capabilities provide an important advantage in terms of speed of use in daily operations.

*Hirschmann circular connectors are used in all sensor and actuator device applications in automation technology – particularly where the risk of vibrations is especially high.*

*The E-series M12 with plug design as per IEC 61076-2-101 (Ed. 1) can be obtained in the design type with screw locking M12x1, and also in a shielded version if so desired.*



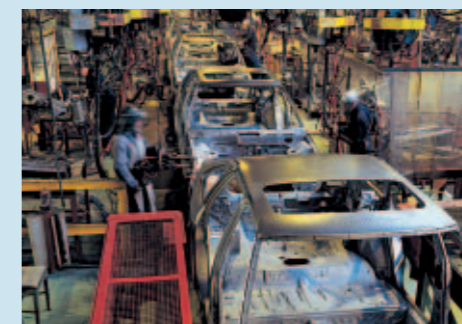


Cable socket M 12 Single Key (DC)					
integrally molded lead		self-assembly		integrally molded lead/shielded	
straight	angled	straight	angled	straight	angled
without LED 3-pole from page 42 4-pole from page 43 5-pole from page 45 8-pole from page 46	without LED 3-pole from page 47 4-pole from page 49 5-pole from page 50 8-pole from page 51	without LED 4-pole from page 55 5-pole from page 57	without LED 4-pole from page 58 5-pole from page 59	without LED 3-pole from page 60 4-pole from page 60 5-pole from page 61 8-pole from page 61	without LED 3-pole from page 62 4-pole from page 62 5-pole from page 63 8-pole from page 63
with LED 3-pole from page 52	with LED 3-pole from page 53	with LED 3-pole mountable from page 55	with LED 3-pole mountable from page 58		

Appliance socket M 12 Single Key (DC)		Appliance connector M 12 Single Key (DC)	
Front panel mounting with PG or metrical thread 4-pole M 12 from page 82 5-pole M 12 from page 83	Front panel mounting circuit board 4-pole from page 84 5-pole from page 85	Vario Quick® contact pins 4-pole M 12 from page 86	Flange mounting circuit board 4-pole M 12 from page 85
		Front panel mounting with PG or metrical thread 4-pole M 12 from page 88 5-pole M 12 from page 89	Press-in fit (sensor tube) 4-pole M 12 from page 90 5-pole M 12 from page 91

Cable plug M 12 Single Key (DC)					
integrally molded lead		self-assembly		integrally molded lead/shielded	
straight	angled	straight	angled	straight	angled
3-pole M 12 from page 64 4-pole M 12 from page 65 5-pole M 12 from page 67 8-pole M 12 from page 68	3-pole M 12 from page 69 4-pole M 12 from page 71 5-pole M 12 from page 72 8-pole M 12 from page 73	4-pole M 12 from page 74 5-pole M 12 from page 75	4-pole M 12 from page 76 5-pole M 12 from page 77	3-pole M 12 from page 78 4-pole M 12 from page 78 5-pole M 12 from page 79 8-pole M 12 from page 79	3-pole M 12 from page 80 4-pole M 12 from page 80 5-pole M 12 from page 81 8-pole M 12 from page 81

Cable socket		Cable plug		Appliance socket	Appl. connector
integrally molded lead		self-assembly			
straight	angled	straight	angled		
3-pole M 12 from page 96 4-pole M 12 from page 97 5-pole M 12 from page 97	3-pole M 12 from page 98 4-pole M 12 from page 99 5-pole M 12 from page 99	on request	on request	4-pole M 12 from page 83 5-pole M 12 from page 83	4-pole M 12 from page 89 5-pole M 12 from page 89



# CIRCULAR CONNECTORS E-SERIES M12/FIXCON®



Straight cable socket with integrally molded lead



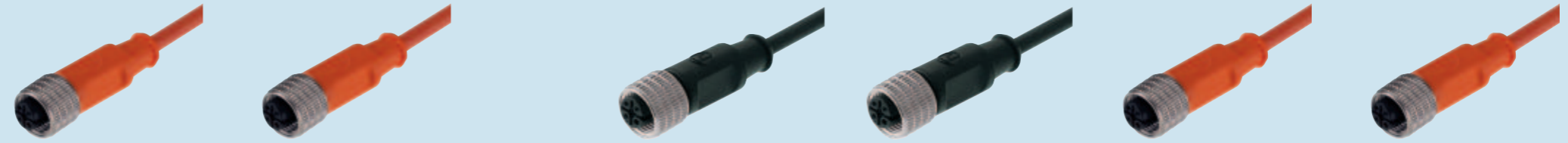
WITH SCREW LOCKING

Product description							
Description	Straight cable socket, with integrally molded lead, self-securing lock nut	Straight cable socket, with integrally molded lead, self-securing lock nut		Straight cable socket, with integrally molded lead, self-securing lock nut	Straight cable socket, with integrally molded lead, self-securing lock nut	Straight cable socket, with integrally molded lead, self-securing lock nut	Straight cable socket, with integrally molded lead, self-securing lock nut
Type	<b>EF123 PVC3x034L0200 50</b>	<b>EF123 PUR3x034L0200 50</b>		<b>EF123 PVC3x034ogL0200 50</b>	<b>EF123 PUR3x034ogL0200 50</b>	<b>EF124 PVC4x034L0200 50</b>	<b>EF124 PUR4x034L0200 50</b>
Order No.	934 401-103	934 401-203		934 401-303	934 401-403	934 401-101	934 401-201
Other standard types	black housing, cable material PVC, cable length 5 m: order no. 934 401-102; black housing, cable material PUR, cable length 2 m: order no. 934 401-203; cable length 5 m: order no. 934 401-202	black housing, cable material PUR, cable length 5 m: order no. 934 401-202; black housing, cable material PVC, cable length 2 m: order no. 934 401-103; cable length 5 m: order no. 934 401-102		orange housing, cable material PVC, cable length 5 m: order no. 934 401-302; orange housing, cable material PUR, cable length 2 m: order no. 934 401-403; cable length 5 m: order no. 934 401-402	orange housing, cable material PUR, cable length 5 m: order no. 934 401-402; orange housing, cable material PVC, cable length 2 m: order no. 934 401-303; cable length 5 m: order no. 934 401-302	black housing, cable material PVC, cable length 5 m: order no. 934 401-100; black housing, cable material PUR, cable length 2 m: order no. 934 401-201; cable length 5 m: order no. 934 401-200	black housing, cable material PUR, cable length 5 m: order no. 934 401-200; black housing, cable material PVC, cable length 2 m: order no. 934 401-101; cable length 5 m: order no. 934 401-100
Type of contact	female	female		female	female	female	female
Number of contacts	3	3		3	3	4	4
Cable material	PVC	PUR		PVC	PUR	PVC	PUR
Cable color	black	black		orange	orange	black	black
Cable length	2 m	2 m		2 m	2 m	2 m	2 m
Conductor size	0.34 mm <sup>2</sup>	0.34 mm <sup>2</sup>		0.34 mm <sup>2</sup>	0.34 mm <sup>2</sup>	0.34 mm <sup>2</sup>	0.34 mm <sup>2</sup>
Cable specification	high flexible lead	high flexible lead		high flexible lead	high flexible lead	high flexible lead	high flexible lead
Standard	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2		IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2
Housing Color	black	black		orange	orange	black	black
Drawing							
Technical data							
Wire stranding	42 x 0.1	42 x 0.1		42 x 0.1	42 x 0.1	42 x 0.1	42 x 0.1
Rated voltage	250 V AC/DC	250 V AC/DC		250 V AC/DC	250 V AC/DC	250 V AC/DC	250 V AC/DC
Rated current	4 A	4 A		4 A	4 A	4 A	4 A
Material							
Contact material	Cu Sn 6	Cu Sn 6		Cu Sn 6	Cu Sn 6	Cu Sn 6	Cu Sn 6
Contact surface material	Au	Au		Au	Au	Au	Au
Contact bearer material	PUR	PUR		PUR	PUR	PUR	PUR
Housing material	PUR	PUR		PUR	PUR	PUR	PUR
Coupling nut material	Zn Al/Ni	Zn Al/Ni		Zn Al/Ni	Zn Al/Ni	Zn Al/Ni	Zn Al/Ni
O-Ring	Viton	Viton		Viton	Viton	Viton	Viton
Environmental conditions							
Protection class (IEC 60529)	IP 68	IP 68 / IP 69K		IP 68	IP 68 / IP 69K	IP 68	IP 68 / IP 69K
Pollution severity	3	3		3	3	3	3
Temperature range	-25 °C to +90 °C (connector)/+70 °C (cable)	-25 °C to +90 °C (UL: +80 °C)		-25 °C to +90 °C (connector)/+70 °C (cable)	-25 °C to +90 °C (UL: +80 °C)	-25 °C to +90 °C (connector)/+70 °C (cable)	-25 °C to +90 °C (UL: +80 °C)
Inflammability class							
Cable	fire resist. IEC 60332-1	fire resist. IEC 332-2		fire resist. IEC 60332-1	fire resist. IEC 332-2	fire resist. IEC 60332-1	fire resist. IEC 332-2
Contact bearer	complies with 94 HB	complies with 94 HB		complies with 94 HB	complies with 94 HB	complies with 94 HB	complies with 94 HB
Approvals							
UL	UL version pending	UL pending		UL version pending	UL pending	UL version pending	UL pending
Packaging unit							
Packaging unit	50 pieces	50 pieces		50 pieces	50 pieces	50 pieces	50 pieces
Scope of delivery and accessories							
Accessories to order separately	protective cap M 12 VS, order no. 734 209-100	protective cap M 12 VS, order no. 734 209-100		protective cap M 12 VS, order no. 734 209-100	protective cap M 12 VS, order no. 734 209-100	protective cap M 12 VS, order no. 734 209-100	protective cap M 12 VS, order no. 734 209-100

# CIRCULAR CONNECTORS E-SERIES M12/FIXCON®



Straight cable socket with integrally molded lead



WITH SCREW LOCKING

Product description	EF124 PVC4x034ogL0200 50	EF124 PUR4x034ogL0200 50	EF125 PVC5x034L0200 50	EF125 PUR5x034L0200 50	EF125 PVC5x034ogL0200 50	EF125 PUR5x034ogL0200 50
Description	Straight cable socket, with integrally molded lead, self-securing lock nut	Straight cable socket, with integrally molded lead, self-securing lock nut	Straight cable socket, with integrally molded lead, self-securing lock nut	Straight cable socket, with integrally molded lead, self-securing lock nut	Straight cable socket, with integrally molded lead, self-securing lock nut	Straight cable socket, with integrally molded lead, self-securing lock nut
Type	EF124 PVC4x034ogL0200 50	EF124 PUR4x034ogL0200 50	EF125 PVC5x034L0200 50	EF125 PUR5x034L0200 50	EF125 PVC5x034ogL0200 50	EF125 PUR5x034ogL0200 50
Order No.	934 401-301	934 401-401	934 401-120	934 401-220	934 401-320	934 401-420
Other standard types	orange housing, cable material PVC, cable length 5 m: order no. 934 401-300; orange housing, cable material PUR, cable length 2 m: order no. 934 401-401; cable length 5 m: order no. 934 401-400	orange housing, cable material PUR, cable length 5 m: order no. 934 401-400; orange housing, cable material PVC, cable length 2 m: order no. 934 401-301; cable length 5 m: order no. 934 401-300	black housing, cable material PVC, cable length 5 m: order no. 934 401-121; black housing, cable material PUR, cable length 2 m: order no. 934 401-220; cable length 5 m: order no. 934 401-221	black housing, cable material PUR, cable length 5 m: order no. 934 401-221; black housing, cable material PVC, cable length 2 m: order no. 934 401-120; cable length 5 m: order no. 934 401-121	orange housing, cable material PVC, cable length 5 m: order no. 934 401-321; orange housing, cable material PUR, cable length 2 m: order no. 934 401-420; cable length 5 m: order no. 934 401-421	orange housing, cable material PUR, cable length 5 m: order no. 934 401-421; orange housing, cable material PVC, cable length 2 m: order no. 934 401-320; cable length 5 m: order no. 934 401-321
Type of contact	female	female	female	female	female	female
Number of contacts	4	4	5	5	5	5
Cable material	PVC	PUR	PVC	PUR	PVC	PUR
Cable color	orange	orange	black	black	orange	orange
Cable length	2 m	2 m	2 m	2 m	2 m	2 m
Conductor size	0.34 mm <sup>2</sup>	0.34 mm <sup>2</sup>	0.34 mm <sup>2</sup>	0.34 mm <sup>2</sup>	0.34 mm <sup>2</sup>	0.34 mm <sup>2</sup>
Cable specification	high flexible lead	high flexible lead	high flexible lead	high flexible lead	high flexible lead	high flexible lead
Standard	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2
Housing Color	orange	orange	black	black	orange	orange
Drawing						
Technical data						
Wire stranding	42 x 0.1	42 x 0.1	42 x 0.1	42 x 0.1	42 x 0.1	42 x 0.1
Rated voltage	250 V AC/DC	250 V AC/DC	60 V AC/DC	60 V AC/DC	60 V AC/DC	60 V AC/DC
Rated current	4 A	4 A	4 A	4 A	4 A	4 A
Material						
Contact material	Cu Sn 6	Cu Sn 6	Cu Sn 6	Cu Sn 6	Cu Sn 6	Cu Sn 6
Contact surface material	Au	Au	Au	Au	Au	Au
Contact bearer material	PUR	PUR	PUR	PUR	PUR	PUR
Housing material	PUR	PUR	PUR	PUR	PUR	PUR
Coupling nut material	Zn Al/Ni	Zn Al/Ni	Zn Al/Ni	Zn Al/Ni	Zn Al/Ni	Zn Al/Ni
O-Ring	Viton	Viton	Viton	Viton	Viton	Viton
Environmental conditions						
Protection class (IEC 60529)	IP 68	IP 68 / IP 69K	IP 68	IP 68 / IP 69K	IP 68	IP 68 / IP 69K
Pollution severity	3	3	3	3	3	3
Temperature range	-25 °C to +90 °C (connector)/+70 °C (cable)	-25 °C to +90 °C (UL: +80 °C)	-25 °C to +90 °C (connector)/+70 °C (cable)	-25 °C to +90 °C (UL: +80 °C)	-25 °C to +90 °C (connector)/+70 °C (cable)	-25 °C to +90 °C (UL: +80 °C)
Inflammability class						
Cable	fire resist. IEC 60332-1	fire resist. IEC 332-2	fire resist. IEC 60332-1	fire resist. IEC 332-2	fire resist. IEC 60332-1	fire resist. IEC 332-2
Contact bearer	complies with 94 HB	complies with 94 HB	complies with 94 HB	complies with 94 HB	complies with 94 HB	complies with 94 HB
Approvals						
UL	UL version pending	UL pending	UL version pending	UL pending	UL version pending	UL pending
Packaging unit						
Packaging unit	50 pieces	50 pieces	50 pieces	50 pieces	50 pieces	50 pieces
Scope of delivery and accessories						
Accessories to order separately	protective cap M 12 VS, order no. 734 209-100	protective cap M 12 VS, order no. 734 209-100	protective cap M 12 VS, order no. 734 209-100	protective cap M 12 VS, order no. 734 209-100	protective cap M 12 VS, order no. 734 209-100	protective cap M 12 VS, order no. 734 209-100

# CIRCULAR CONNECTORS E-SERIES M12/FIXCON®



Straight cable socket with integrally molded lead



Angled cable socket with integrally molded lead



WITH SCREW LOCKING

Product description	
Description	Straight cable socket, with integrally molded lead, self-securing lock nut
Type	<b>EF128 PVC8x025L0200 50</b>
Order No.	934 401-130
Other standard types	black housing, cable material PVC, cable length 5 m: order no. 934 401-131
Type of contact	female
Number of contacts	8
Cable material	PVC
Cable color	grey
Cable length	2 m
Conductor size	0.25 mm <sup>2</sup>
Cable specification	high flexible lead
Standard	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2
Housing Color	black
Drawing	
Technical data	
Wire stranding	32 x 0.1
Rated voltage	30 V AC/DC
Rated current	1.5 A
Material	
Contact material	Cu Zn
Contact surface material	Au
Contact bearer material	PA
Housing material	TPU
Coupling nut material	Zn Al/Ni
O-Ring	Viton
Environmental conditions	
Protection class (IEC 60529)	IP 67
Pollution severity	3
Temperature range	-25 °C to +90 °C
Inflammability class	
Cable	fire resist.
Contact bearer	
Approvals	
UL	
Packaging unit	
Packaging unit	50 pieces
Scope of delivery and accessories	
Accessories to order separately	protective cap M 12 VS, order no. 734 209-100

WITH SCREW LOCKING

Product description		
Description	Angled cable socket, with integrally molded lead, self-securing lock nut	Angled cable socket, with integrally molded lead, self-securing lock nut
Type	<b>EFW123 PVC3x034L0200 50</b>	<b>EFW123 PUR3x034L0200 50</b>
Order No.	934 402-103	934 402-203
Other standard types	black housing, cable material PVC, cable length 5 m: order no. 934 402-101; black housing, cable material PUR, cable length 2 m: order no. 934 402-203; cable length 5 m: order no. 934 402-202	black housing, cable material PUR, cable length 5 m: order no. 934 402-202; black housing, cable material PUR, cable length 2 m: order no. 934 402-103; cable length 5 m: order no. 934 402-101
Type of contact	female	female
Number of contacts	3	3
Cable material	PVC	PUR
Cable color	black	black
Cable length	2 m	2 m
Conductor size	0.34 mm <sup>2</sup>	0.34 mm <sup>2</sup>
Cable specification	high flexible lead	high flexible lead
Standard	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2
Housing Color	black	black
Drawing		
Technical data		
Wire stranding	42 x 0.1	42 x 0.1
Rated voltage	250 V AC/DC	250 V AC/DC
Rated current	4 A	4 A
Material		
Contact material	Cu Sn 6	Cu Sn 6
Contact surface material	Au	Au
Contact bearer material	PUR	PUR
Housing material	PUR	PUR
Coupling nut material	Zn Al/Ni	Zn Al/Ni
O-Ring	Viton	Viton
Environmental conditions		
Protection class (IEC 60529)	IP 68	IP 68 / IP 69K
Pollution severity	3	3
Temperature range	-25°C to +90°C (connector)/+70°C (cable)	-25 °C to +90 °C (UL: +80 °C)
Inflammability class		
Cable	fire resist. IEC 60332-1	fire resist. IEC 332-2
Contact bearer	complies with 94 HB	complies with 94 HB
Approvals		
UL	UL version pending	UL pending
Packaging unit		
Packaging unit	50 pieces	50 pieces
Scope of delivery and accessories		
Accessories to order separately	protective cap M 12 VS, order no. 734 209-100	protective cap M 12 VS, order no. 734 209-100

# CIRCULAR CONNECTORS E-SERIES M12/FIXCON®



Angled cable socket with integrally molded lead



WITH SCREW LOCKING

Product description	EWF123 PVC3x034ogL0200 50	EWF123 PUR3x034ogL0200 50	EWF124 PVC4x034L0200 50	EWF124 PUR4x034L0200 50	EWF124 PVC4x034ogL0200 50	EWF124 PUR4x034ogL0200 50
Description	Angled cable socket, with integrally molded lead, self-securing lock nut	Angled cable socket, with integrally molded lead, self-securing lock nut	Angled cable socket, with integrally molded lead, self-securing lock nut	Angled cable socket, with integrally molded lead, self-securing lock nut	Angled cable socket, with integrally molded lead, self-securing lock nut	Angled cable socket, with integrally molded lead, self-securing lock nut
Type	EWF123 PVC3x034ogL0200 50	EWF123 PUR3x034ogL0200 50	EWF124 PVC4x034L0200 50	EWF124 PUR4x034L0200 50	EWF124 PVC4x034ogL0200 50	EWF124 PUR4x034ogL0200 50
Order No.	934 402-303	934 402-403	934 402-102	934 402-201	934 402-302	934 402-401
Other standard types	orange housing, cable material PVC, cable length 5 m: order no. 934 402-301; orange housing, cable material PUR, cable length 2 m: order no. 934 402-403; cable length 5 m: order no. 934 402-402	orange housing, cable material PUR, cable length 5 m: order no. 934 402-402; orange housing, cable material PVC, cable length 2 m: order no. 934 402-303; cable length 5 m: order no. 934 402-301	black housing, cable material PVC, cable length 5 m: order no. 934 402-100; black housing, cable material PUR, cable length 2 m: order no. 934 402-201; cable length 5 m: order no. 934 402-200	black housing, cable material PUR, cable length 5 m: order no. 934 402-200; black housing, cable material PVC, cable length 2 m: order no. 934 402-102; cable length 5 m: order no. 934 402-100	orange housing, cable material PVC, cable length 5 m: order no. 934 402-300; orange housing, cable material PUR, cable length 2 m: order no. 934 402-401; cable length 5 m: order no. 934 402-400	orange housing, cable material PUR, cable length 5 m: order no. 934 402-400; orange housing, cable material PVC, cable length 2 m: order no. 934 402-302; cable length 5 m: order no. 934 402-300
Type of contact	female	female	female	female	female	female
Number of contacts	3	3	4	4	4	4
Cable material	PVC	PUR	PVC	PUR	PVC	PUR
Cable color	orange	orange	black	black	orange	orange
Cable length	2 m	2 m	2 m	2 m	2 m	2 m
Conductor size	0.34 mm <sup>2</sup>	0.34 mm <sup>2</sup>	0.34 mm <sup>2</sup>	0.34 mm <sup>2</sup>	0.34 mm <sup>2</sup>	0.34 mm <sup>2</sup>
Cable specification	high flexible lead	high flexible lead	high flexible lead	high flexible lead	high flexible lead	high flexible lead
Standard	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2
Housing Color	orange	orange	black	black	orange	orange
Drawing						
Technical data						
Wire stranding	42 x 0.1	42 x 0.1	42 x 0.1	42 x 0.1	42 x 0.1	42 x 0.1
Rated voltage	250 V AC/DC	250 V AC/DC	250 V AC/DC	250 V AC/DC	250 V AC/DC	250 V AC/DC
Rated current	4 A	4 A	4 A	4 A	4 A	4 A
Material						
Contact material	Cu Sn 6	Cu Sn 6	Cu Sn 6	Cu Sn 6	Cu Sn 6	Cu Sn 6
Contact surface material	Au	Au	Au	Au	Au	Au
Contact bearer material	PUR	PUR	PUR	PUR	PUR	PUR
Housing material	PUR	PUR	PUR	PUR	PUR	PUR
Coupling nut material	Zn Al/Ni	Zn Al/Ni	Zn Al/Ni	Zn Al/Ni	Zn Al/Ni	Zn Al/Ni
O-Ring	Viton	Viton	Viton	Viton	Viton	Viton
Environmental conditions						
Protection class (IEC 60529)	IP 68	IP 68 / IP 69K	IP 68	IP 68 / IP 69K	IP 68	IP 68 / IP 69K
Pollution severity	3	3	3	3	3	3
Temperature range	-25 °C to +90 °C (connector)/+70 °C (cable)	-25 °C to +90 °C (UL: +80 °C)	-25 °C to +90 °C (connector)/+70 °C (cable)	-25 °C to +90 °C (UL: +80 °C)	-25 °C to +90 °C (connector)/+70 °C (cable)	-25 °C to +90 °C (UL: +80 °C)
Inflammability class						
Cable	fire resist. IEC 60332-1	fire resist. IEC 332-2	fire resist. IEC 60332-1	fire resist. IEC 332-2	fire resist. IEC 60332-1	fire resist. IEC 332-2
Contact bearer	complies with 94 HB	complies with 94 HB	complies with 94 HB	complies with 94 HB	complies with 94 HB	complies with 94 HB
Approvals						
UL	UL version pending	UL pending	UL version pending	UL pending	UL version pending	UL pending
Packaging unit						
Packaging unit	50 pieces	50 pieces	50 pieces	50 pieces	50 pieces	50 pieces
Scope of delivery and accessories						
Accessories to order separately	protective cap M 12 VS, order no. 734 209-100	protective cap M 12 VS, order no. 734 209-100	protective cap M 12 VS, order no. 734 209-100	protective cap M 12 VS, order no. 734 209-100	protective cap M 12 VS, order no. 734 209-100	protective cap M 12 VS, order no. 734 209-100



# CIRCULAR CONNECTORS E-SERIES M12/FIXCON®

Angled cable socket with integrally molded lead



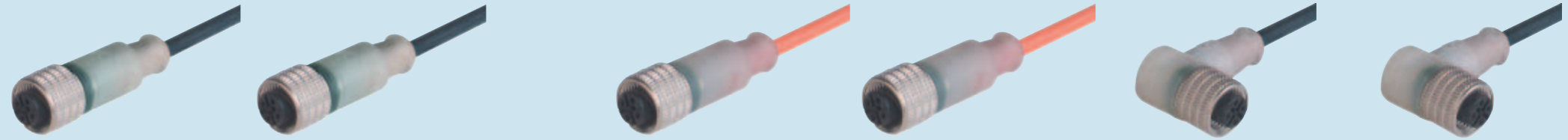
WITH SCREW LOCKING

Product description						
Description	Angled cable socket, with integrally molded lead, self-securing lock nut	Angled cable socket, with integrally molded lead, self-securing lock nut		Angled cable socket, with integrally molded lead, self-securing lock nut	Angled cable socket, with integrally molded lead, self-securing lock nut	Angled cable socket, with integrally molded lead, self-securing lock nut
Type	<b>EWF125 PVC5x034L0200 50</b>	<b>EWF125 PUR5x034L0200 50</b>		<b>EWF125 PVC5x034ogL0200 50</b>	<b>EWF125 PUR5x034ogL0200 50</b>	<b>EWF128 PVC8x025L0200 50</b>
Order No.	934 402-120	934 402-220		934 402-320	934 402-420	934 402-130
Other standard types	black housing, cable material PVC, cable length 5 m: order no. 934 402-121; black housing, cable material PUR, cable length 2 m: order no. 934 402-220; cable length 5 m: order no. 934 402-221	black housing, cable material PUR, cable length 5 m: order no. 934 402-221; black housing, cable material PVC, cable length 2 m: order no. 934 402-120; cable length 5 m: order no. 934 402-121		orange housing, cable material PVC, cable length 5 m: order no. 934 402-321; orange housing, cable material PUR, cable length 2 m: order no. 934 402-420; cable length 5 m: order no. 934 402-421	orange housing, cable material PUR, cable length 5 m: order no. 934 402-421; orange housing, cable material PVC, cable length 2 m: order no. 934 402-320; cable length 5 m: order no. 934 402-321	black housing, cable material PVC, cable length 5 m: order no. 934 402-131
Type of contact	female	female		female	female	female
Number of contacts	5	5		5	5	8
Cable material	PVC	PUR		PVC	PUR	PVC
Cable color	black	black		orange	orange	grey
Cable length	2 m	2 m		2 m	2 m	2 m
Conductor size	0.34 mm <sup>2</sup>	0.34 mm <sup>2</sup>		0.34 mm <sup>2</sup>	0.34 mm <sup>2</sup>	0.25 mm <sup>2</sup>
Cable specification	high flexible lead	high flexible lead		high flexible lead	high flexible lead	high flexible lead
Standard	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2		IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2
Housing Color	black	black		orange	orange	black
Drawing						
Technical data						
Wire stranding	42 x 0.1	42 x 0.1		42 x 0.1	42 x 0.1	32 x 0.1
Rated voltage	60 V AC/DC	60 V AC/DC		60 V AC/DC	60 V AC/DC	30 V AC/DC
Rated current	4 A	4 A		4 A	4 A	1.5 A
Material						
Contact material	Cu Sn 6	Cu Sn 6		Cu Sn 6	Cu Sn 6	Cu Zn
Contact surface material	Au	Au		Au	Au	Au
Contact bearer material	PUR	PUR		PUR	PUR	PA
Housing material	PUR	PUR		PUR	PUR	TPU
Coupling nut material	Zn Al/Ni	Zn Al/Ni		Zn Al/Ni	Zn Al/Ni	Zn Al/Ni
O-Ring	Viton	Viton		Viton	Viton	Viton
Environmental conditions						
Protection class (IEC 60529)	IP 68	IP 68 / IP 69K		IP 68	IP 68 / IP 69K	IP 67
Pollution severity	3	3		3	3	3
Temperature range	-25 °C to +90 °C (connector)/+70 °C (cable)	-25 °C to +90 °C (UL: +80 °C)		-25 °C to +90 °C (connector)/+70 °C (cable)	-25 °C to +90 °C (UL: +80 °C)	-25 °C to +90 °C
Inflammability class						
Cable	fire resist. IEC 60332-1	fire resist. IEC 332-2		fire resist. IEC 60332-1	fire resist. IEC 332-2	fire resist.
Contact bearer	complies with 94 HB	complies with 94 HB		complies with 94 HB	complies with 94 HB	
Approvals						
UL	UL version pending	UL pending		UL version pending	UL pending	
Packaging unit						
Packaging unit	50 pieces	50 pieces		50 pieces	50 pieces	50 pieces
Scope of delivery and accessories						
Accessories to order separately	protective cap M 12 VS, order no. 734 209-100	protective cap M 12 VS, order no. 734 209-100		protective cap M 12 VS, order no. 734 209-100	protective cap M 12 VS, order no. 734 209-100	protective cap M 12 VS, order no. 734 209-100

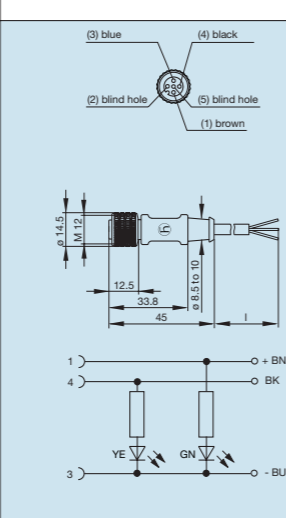
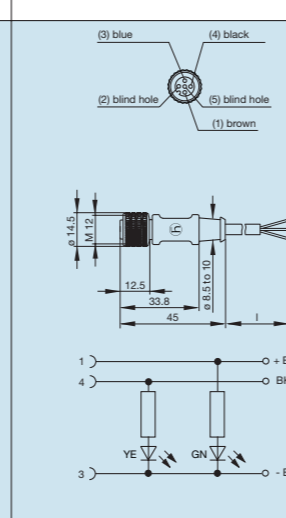
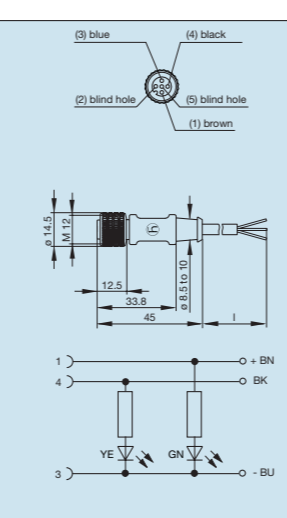
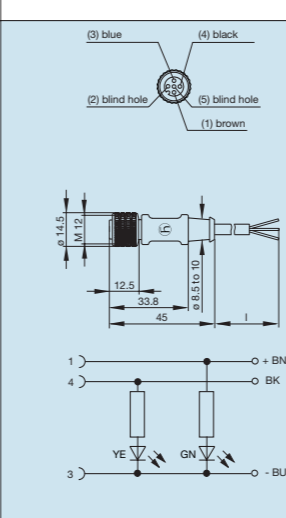
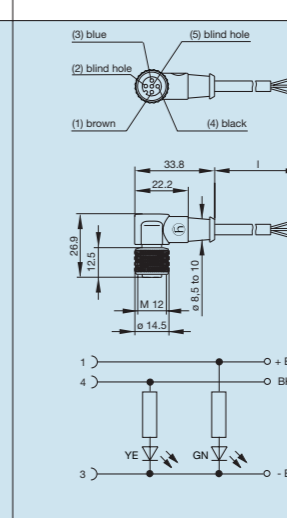
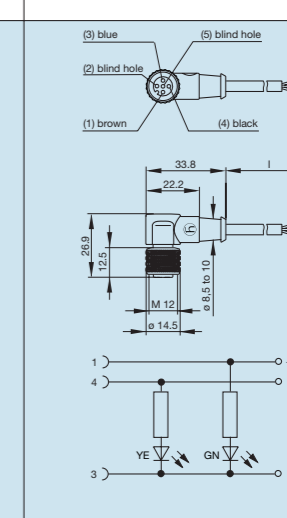
# CIRCULAR CONNECTORS E-SERIES M12/FIXCON®



Straight cable socket with integrally molded lead and LED



WITH SCREW LOCKING

Product description	EF123PSA PVC3x034L0200 50	EF123PSA PUR3x034L0200 50	EF123PSA PVC3x034ogL0200 50	EF123PSA PUR3x034ogL0200 50	EF123PSA PVC3x034L0200 50	EF123PSA PUR3x034L0200 50
Description	Straight cable socket, with integrally molded lead, self-securing lock nut, LED display	Straight cable socket, with integrally molded lead, self-securing lock nut, LED display	Straight cable socket, with integrally molded lead, self-securing lock nut, LED display	Straight cable socket, with integrally molded lead, self-securing lock nut, LED display	Straight cable socket, with integrally molded lead, self-securing lock nut, LED display	Angled cable socket, with integrally molded lead, self-securing lock nut, LED display
Type	EF123PSA PVC3x034L0200 50	EF123PSA PUR3x034L0200 50	EF123PSA PVC3x034ogL0200 50	EF123PSA PUR3x034ogL0200 50	EF123PSA PVC3x034L0200 50	EF123PSA PUR3x034L0200 50
Order No.	934 401-150	934 401-250	934 401-350	934 401-450	934 402-150	934 402-250
Other standard types	transparent housing, cable mat. PVC, cable length 5 m: order no. 934 401-151; transparent housing, cable mat. PUR, cable length 2 m: order no. 934 401-250; cable length 5 m: order no. 934 401-251	transparent housing, cable mat. PUR, cable length 5 m: order no. 934 401-251; transparent housing, cable mat. PVC, cable length 2 m: order no. 934 401-150; cable length 5 m: order no. 934 401-151	transparent housing, cable mat. PVC, cable length 5 m: order no. 934 401-351; transparent housing, cable mat. PUR, cable length 2 m: order no. 934 401-450; cable length 5 m: order no. 934 401-451	transparent housing, cable mat. PUR, cable length 5 m: order no. 934 401-451; transparent housing, cable mat. PVC, cable length 2 m: order no. 934 401-350; cable length 5 m: order no. 934 401-351	transparent housing, cable mat. PVC, cable length 5 m: order no. 934 402-151; transparent housing, cable mat. PUR, cable length 2 m: order no. 934 402-250; cable length 5 m: order no. 934 402-251	transparent housing, cable mat. PUR, cable length 5 m: order no. 934 402-251; transparent housing, cable mat. PVC, cable length 2 m: order no. 934 402-150; cable length 5 m: order no. 934 402-151
Type of contact	female	female	female	female	female	female
Number of contacts	3	3	3	3	3	3
Cable material	PVC	PUR	PVC	PUR	PVC	PUR
Cable color	black	black	orange	orange	black	black
Cable length	2 m	2 m	2 m	2 m	2 m	2 m
Conductor size	0.34 mm <sup>2</sup>	0.34 mm <sup>2</sup>	0.34 mm <sup>2</sup>	0.34 mm <sup>2</sup>	0.34 mm <sup>2</sup>	0.34 mm <sup>2</sup>
Cable specification	high flexible lead	high flexible lead	high flexible lead	high flexible lead	high flexible lead	high flexible lead
Standard	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2
Housing Color	transparent	transparent	transparent	transparent	transparent	transparent
<b>Description of Wiring</b>						
Circuit	PNP/normally open	PNP/normally open	PNP/normally open	PNP/normally open	PNP/normally open	PNP/normally open
LED color	LED green = power, LED yellow = switch state	LED green = power, LED yellow = switch state	LED green = power, LED yellow = switch state	LED green = power, LED yellow = switch state	LED green = power, LED yellow = switch state	LED green = power, LED yellow = switch state
<b>Drawing</b>						
<b>Technical data</b>						
Wire stranding	42 x 0.1	42 x 0.1	42 x 0.1	42 x 0.1	42 x 0.1	42 x 0.1
Rated voltage	10 V to 30 V DC	10 V to 30 V DC	10 V to 30 V DC	10 V to 30 V DC	10 V to 30 V DC	10 V to 30 V DC
Rated current	4 A	4 A	4 A	4 A	4 A	4 A
<b>Material</b>						
Contact material	Cu Sn 6	Cu Sn 6	Cu Sn 6	Cu Sn 6	Cu Sn 6	Cu Sn 6
Contact surface material	Au	Au	Au	Au	Au	Au
Contact bearer material	PUR	PUR	PUR	PUR	PUR	PUR
Housing material	PUR	PUR	PUR	PUR	PUR	PUR
Coupling nut material	Zn Al/Ni	Zn Al/Ni	Zn Al/Ni	Zn Al/Ni	Zn Al/Ni	Zn Al/Ni
O-Ring	Viton	Viton	Viton	Viton	Viton	Viton
<b>Environmental conditions</b>						
Protection class (IEC 60529)	IP 68	IP 68 / IP 69K	IP 68	IP 68 / IP 69K	IP 68	IP 68 / IP 69K
Pollution severity	3	3	3	3	3	3
Temperature range	-25°C to +90°C (connector)/+70°C (cable)	-25°C to +90°C (UL: +80 °C)	-25°C to +90°C (connector)/+70°C (cable)	-25°C to +90°C (UL: +80 °C)	-25°C to +90°C (connector)/+70°C (cable)	-25°C to +90°C (UL: +80 °C)
<b>Inflammability class</b>						
Cable	fire resist. IEC 60332-1	fire resist. IEC 332-2	fire resist. IEC 60332-1	fire resist. IEC 332-2	fire resist. IEC 60332-1	fire resist. IEC 332-2
Contact bearer	complies with 94 HB	complies with 94 HB	complies with 94 HB	complies with 94 HB	complies with 94 HB	complies with 94 HB
<b>Approvals</b>						
UL	UL version pending	UL pending	UL version pending	UL pending	UL version pending	UL pending
<b>Packaging unit</b>						
Packaging unit	50 pieces	50 pieces	50 pieces	50 pieces	50 pieces	50 pieces
<b>Scope of delivery and accessories</b>						
Accessories to order separately	protective cap M 12 VS, order no. 734 209-100	protective cap M 12 VS, order no. 734 209-100	protective cap M 12 VS, order no. 734 209-100	protective cap M 12 VS, order no. 734 209-100	protective cap M 12 VS, order no. 734 209-100	protective cap M 12 VS, order no. 734 209-100



# CIRCULAR CONNECTORS E-SERIES M12/FIXCON®



Straight cable socket with integrally molded lead and LED



Straight cable socket, self-assembled



WITH SCREW LOCKING

Product description		
Description	Angled cable socket, with integrally molded lead, self-securing lock nut, LED display	Angled cable socket, with integrally molded lead, self-securing lock nut, LED display
Type	<b>EW123PSA PVC3x034ogL0200 50</b>	<b>EW123PSA PUR3x034ogL0200 50</b>
Order No.	934 402-350	934 402-450
Other standard types	transparent housing, cable mat. PVC, cable length 5 m: order no. 934 402-351; transparent housing, cable mat. PUR, cable length 2 m: order no. 934 402-450; cable length 5 m: order no. 934 402-451	transparent housing, cable mat. PUR, cable length 5 m: order no. 934 402-451; transparent housing, cable mat. PVC, cable length 2 m: order no. 934 402-350; cable length 5 m: order no. 934 402-351
Type of contact	female	female
Number of contacts	3	3
Cable material	PVC	PUR
Cable color	orange	orange
Cable length	2 m	2 m
Conductor size	0.34 mm <sup>2</sup>	0.34 mm <sup>2</sup>
Cable specification	high flexible lead	high flexible lead
Standard	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2
Housing Color	transparent	transparent
Description of Wiring		
Circuit	PNP/normally open	PNP/normally open
LED color	LED green = power, LED yellow = switch state	LED green = power, LED yellow = switch state
Drawing		
Technical data		
Wire stranding	42 x 0.1	42 x 0.1
Rated voltage	10 V to 30 V DC	10 V to 30 V DC
Rated current	4 A	4 A
Material		
Contact material	Cu Sn 6	Cu Sn 6
Contact surface material	Au	Au
Contact bearer material	PUR	PUR
Housing material	PUR	PUR
Coupling nut material	Zn Al/Ni	Zn Al/Ni
O-Ring	Viton	Viton
Environmental conditions		
Protection class (IEC 60529)	IP 68	IP 68 / IP 69K
Pollution severity	3	3
Temperature range	-25 °C to +90 °C (connector)/+70 °C (cable)	-25 °C to +90 °C (UL: +80 °C)
Inflammability class		
Cable	fire resist. IEC 60332-1	fire resist. IEC 332-2
Contact bearer	complies with 94 HB	complies with 94 HB
Approvals		
UL	UL version pending	UL pending
Packaging unit		
Packaging unit	50 pieces	50 pieces
Scope of delivery and accessories		
Accessories to order separately	protective cap M 12 VS, order no. 734 209-100	protective cap M 12 VS, order no. 734 209-100

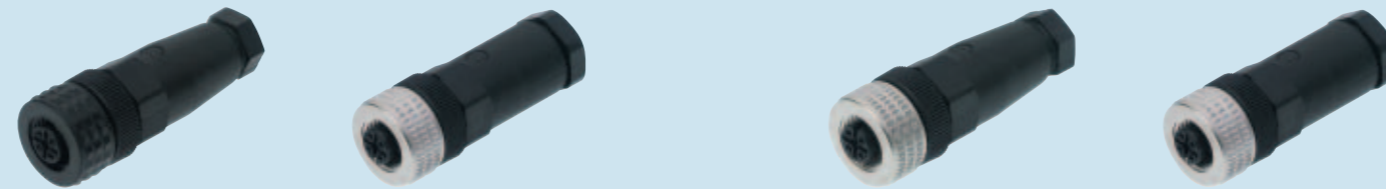
WITH SCREW LOCKING

Product description		
Description	Straight cable socket, unassembled, strain relief by means of clamping cage	Straight cable socket, unassembled, strain relief by means of clamping cage, electronic insert (LED display) may be fitted
Type	<b>ELKA 4012 PG7 schwarz/black</b>	<b>ELKA 4012 PG7 transparent/topas</b>
Order No.	933 139-100	933 210-199
Type of contact	female	female
Number of contacts	4	4
Cable gland	PG 7	PG 7
Conductor size	max. 0.75 mm <sup>2</sup>	max. 0.75 mm <sup>2</sup>
Standard	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2
Housing Color	black	transparent
Drawing		
Technical data		
Rated voltage	250 V AC/DC	250 V AC/DC
Rated current	4 A	4 A
Type of termination	screw	screw
Suitable cables	diameter 4 mm to 6 mm	diameter 4 mm to 6 mm
Material		
Contact material	Cu Zn	Cu Zn
Contact surface material	Sn	Sn
Contact bearer material	PA	PA
Housing material	PA	PA
Coupling nut material	Zn Al/Ni	Zn Al/Ni
O-Ring	NBR	NBR
Environmental conditions		
Protection class (IEC 60529)	IP 67	IP 67
Pollution severity	3	3
Temperature range	-25 °C to +90 °C	-25 °C to +90 °C
Inflammability class		
Housing	94 V-2	94 V-2
Contact bearer	94 V-2	94 V-2
Approvals		
UL	UL pending	UL pending
Packaging unit		
Packaging unit	100 pieces	100 pieces
Scope of delivery and accessories		
Accessories to order separately	protective cap M12 VS, order no. 734 209-100	protective cap M12 VS, order no. 734 209-100; LED insert E 2 LED PNP, order no. 933 405-001



# CIRCULAR CONNECTORS E-SERIES M12/FIXCON®

Straight cable socket, self-assembled



WITH SCREW LOCKING

Product description							
Description	Straight cable socket, unassembled, strain relief by means of clamping cage, plastic coupling nut	Straight cable socket, unassembled, strain relief by means of clamping cage		Straight cable socket, unassembled, strain relief by means of clamping cage	Straight cable socket, unassembled, strain relief by means of clamping cage		
Type	<b>ELKA 4012 K PG7</b>	<b>ELKA 4012 PG9</b>		<b>ELKA 5012 PG7</b>	<b>ELKA 5012 PG9</b>		
Order No.	933 725-100	933 169-100		933 170-100	933 171-100		
Type of contact	female	female		female	female		
Number of contacts	4	4		5	5		
Cable gland	PG 7	PG 9		PG 7	PG 9		
Conductor size	max. 0.75 mm <sup>2</sup>	max. 0.75 mm <sup>2</sup>		max. 0.75 mm <sup>2</sup>	max. 0.75 mm <sup>2</sup>		
Standard	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2		IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2		
Housing Color	black	black		black	black		
<b>Drawing</b>							
<b>Technical data</b>							
Rated voltage	250 V AC/DC	250 V AC/DC		50 V AC/DC	50 V AC/DC		
Rated current	4 A	4 A		4 A	4 A		
Type of termination	screw	screw		screw	screw		
Suitable cables	diameter 4 mm to 6 mm	diameter 6 mm to 8 mm		diameter 4 mm to 6 mm	diameter 6 mm to 8 mm		
<b>Material</b>							
Contact material	Cu Zn	Cu Zn		Cu Zn	Cu Zn		
Contact surface material	Sn	Sn		Sn	Sn		
Contact bearer material	PA	PA		PA	PA		
Housing material	PA	PA		PA	PA		
Coupling nut material	PA	Zn Al/Ni		Zn Al/Ni	Zn Al/Ni		
O-Ring	NBR	NBR		NBR	NBR		
<b>Environmental conditions</b>							
Protection class (IEC 60529)	IP 67	IP 67		IP 67	IP 67		
Pollution severity	3	3		3	3		
Temperature range	-25 °C to +90 °C	-25 °C to +90 °C		-25 °C to +90 °C	-25 °C to +90 °C		
<b>Inflammability class</b>							
Housing	94 V-2	94 V-2		94 V-2	94 V-2		
Contact bearer	94 V-2	94 V-2		94 V-2	94 V-2		
<b>Approvals</b>							
UL	UL pending	UL pending		UL pending	UL pending		
<b>Packaging unit</b>							
Packaging unit	100 pieces	100 pieces		100 pieces	100 pieces		
<b>Scope of delivery and accessories</b>							
Accessories to order separately	protective cap M12 VS, order no. 734 209-100	protective cap M12 VS, order no. 734 209-100		protective cap M12 VS, order no. 734 209-100	protective cap M12 VS, order no. 734 209-100		

# CIRCULAR CONNECTORS E-SERIES M12/FIXCON®



Angled cable socket, self-assembled



WITH SCREW LOCKING

Product description	ELWIKA 4012 PG7 schwarz/black	ELWIKA 4012 PG7 transparent/ topas	ELWIKA 4012 K PG7	ELWIKA 4012 PG9	ELWIKA 5012 PG7	ELWIKA 5012 PG9
Description	Angled cable socket, unassembled, strain relief by means of clamping cage	Angled cable socket, unassembled, strain relief by means of clamping cage, electronic insert (LED display) may be fitted	Angled cable socket, unassembled, strain relief by means of clamping cage, plastic coupling nut	Angled cable socket, unassembled, strain relief by means of clamping cage	Angled cable socket, unassembled, strain relief by means of clamping cage	Angled cable socket, unassembled, strain relief by means of clamping cage
Type	ELWIKA 4012 PG7 schwarz/black	ELWIKA 4012 PG7 transparent/ topas	ELWIKA 4012 K PG7	ELWIKA 4012 PG9	ELWIKA 5012 PG7	ELWIKA 5012 PG9
Order No.	933 172-100	933 173-199	933 726-100	933 174-100	933 175-100	933 176-100
Type of contact	female	female	female	female	female	female
Number of contacts	4	4	4	4	5	5
Cable gland	PG 7	PG 7	PG 7	PG 9	PG 7	PG 9
Conductor size	max. 0.75 mm <sup>2</sup>	max. 0.75 mm <sup>2</sup>	max. 0.75 mm <sup>2</sup>	max. 0.75 mm <sup>2</sup>	max. 0.75 mm <sup>2</sup>	max. 0.75 mm <sup>2</sup>
Standard	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2
Housing Color	black	transparent	black	black	black	black
Drawing						
Technical data						
Rated voltage	250 V AC/DC	250 V AC/DC	250 V AC/DC	250 V AC/DC	50 V AC/DC	50 AC/DC
Rated current	4 A	4 A	4 A	4 A	4 A	4 A
Type of termination	screw	screw	screw	screw	screw	screw
Suitable cables	diameter 4 mm to 6 mm	diameter 4 mm to 6 mm	diameter 4 mm to 6 mm	diameter 6 mm to 8 mm	diameter 4 mm to 6 mm	diameter 6 mm to 8 mm
Material						
Contact material	Cu Zn	Cu Zn	Cu Zn	Cu Zn	Cu Zn	Cu Zn
Contact surface material	Sn	Sn	Sn	Sn	Sn	Sn
Contact bearer material	PA	PA	PA	PA	PA	PA
Housing material	PA	PA	PA	PA	PA	PA
Coupling nut material	Zn Al/Ni	Zn Al/Ni	Zn Al/Ni	Zn Al/Ni	Zn Al/Ni	Zn Al/Ni
O-Ring	NBR	NBR	NBR	NBR	NBR	NBR
Environmental conditions						
Protection class (IEC 60529)	IP 67	IP 67	IP 67	IP 67	IP 67	IP 67
Pollution severity	3	3	3	3	3	3
Temperature range	-25 °C to +90 °C	-25 °C to +90 °C	-25 °C to +90 °C	-25 °C to +90 °C	-25 °C to +90 °C	-25 °C to +90 °C
Inflammability class						
Housing	94 V-2	94 V-2	94 V-2	94 V-2	94 V-2	94 V-2
Contact bearer	94 V-2	94 V-2	94 V-2	94 V-2	94 V-2	94 V-2
Approvals						
UL	UL pending	UL pending	UL pending	UL pending	UL pending	UL pending
Packaging unit						
Packaging unit	100 pieces	100 pieces	100 pieces	100 pieces	100 pieces	100 pieces
Scope of delivery and accessories						
Accessories to order separately	protective cap M12 VS, order no. 734 209-100	protective cap M12 VS, order no. 734 209-100; Leuchtdiodeneinsatz E 2 LED PNP, order no. 933 405-001; Leuchtdiodeneinsatz E 2 LED NPN, order no. 933 404-001	protective cap M12 VS, order no. 734 209-100	protective cap M12 VS, order no. 734 209-100	protective cap M12 VS, order no. 734 209-100	protective cap M12 VS, order no. 734 209-100



# CIRCULAR CONNECTORS E-SERIES M12/FIXCON®

Shielded, straight cable socket with integrally molded lead



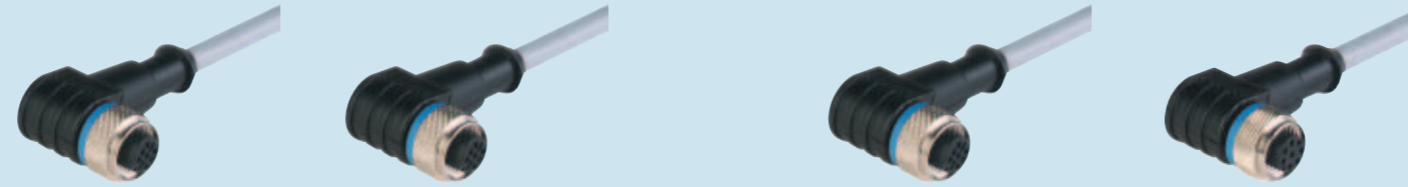
WITH SCREW LOCKING

Product description				
Description	Straight cable socket, shielded, with integrally molded lead, self-securing lock nut	Straight cable socket, shielded, with integrally molded lead, self-securing lock nut	Straight cable socket, shielded, with integrally molded lead, self-securing lock nut	Straight cable socket, shielded, with integrally molded lead, self-securing lock nut
Type	<b>EF123S PVC3x034L0200 50</b>	<b>EF124S PVC4x034L0200 50</b>	<b>EF125S PVC5x025L0200 50</b>	<b>EF128S PVC8x025L0200 50</b>
Order No.	934 501-500	934 501-510	934 501-520	934 501-530
Type of contact	female	female	female	female
Number of contacts	3	4	5	8
Cable material	PVC	PVC	PVC	PVC
Cable color	grey	grey	grey	grey
Cable length	2 m	2 m	2 m	2 m
Conductor size	0.34 mm <sup>2</sup>	0.34 mm <sup>2</sup>	0.25 mm <sup>2</sup>	0.25 mm <sup>2</sup>
Cable specification	shielded lead	shielded lead	shielded lead	shielded lead
Standard	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2
Housing Color	black	black	black	black
Drawing				
Technical data				
Wire stranding	42 x 0.1	42 x 0.1	32 x 0.1	32 x 0.1
Rated voltage	250 V AC/DC	250 V AC/DC	60 V AC/DC	30 V AC/DC
Rated current	4 A	4 A	4 A	1.5 A
Material				
Contact material	Cu Zn	Cu Zn	Cu Zn	Cu Zn
Contact surface material	Au	Au	Au	Au
Contact bearer material	PA	PA	PA	PA
Housing material	TPU	TPU	TPU	TPU
Coupling nut material	Zn Al/Ni	Zn Al/Ni	Zn Al/Ni	Zn Al/Ni
O-Ring	Viton	Viton	Viton	Viton
Environmental conditions				
Protection class (IEC 60529)	IP 67	IP 67	IP 67	IP 67
Pollution severity	3/2	3/2	3/2	3/2
Temperature range	-25 °C to +90 °C	-25 °C to +90 °C	-25 °C to +90 °C	-25 °C to +90 °C
Inflammability class				
Cable	fire resist.	fire resist.	fire resist.	fire resist.
Packaging unit				
Packaging unit	50 pieces	50 pieces	50 pieces	50 pieces
Scope of delivery and accessories				
Accessories to order separately	protective cap M 12 VS, order no. 734 209-100	protective cap M 12 VS, order no. 734 209-100	protective cap M 12 VS, order no. 734 209-100	protective cap M 12 VS, order no. 734 209-100



# CIRCULAR CONNECTORS E-SERIES M12/FIXCON®

Shielded, angled cable socket with integrally molded lead



WITH SCREW LOCKING

Product description	Angled cable socket, shielded, with integrally molded lead, self-securing lock nut	Angled cable socket, shielded, with integrally molded lead, self-securing lock nut	Angled cable socket, shielded, with integrally molded lead, self-securing lock nut	Angled cable socket, shielded, with integrally molded lead, self-securing lock nut
<b>Description</b>				
Type	<b>EWF123S PVC3x034L0200 50</b>	<b>EWF124S PVC4x034L0200 50</b>	<b>EWF125S PVC5x025L0200 50</b>	<b>EWF128S PVC8x025L0200 50</b>
Order No.	934 502-500	934 502-510	934 502-520	934 502-530
Type of contact	female	female	female	female
Number of contacts	3	4	5	8
Cable material	PVC	PVC	PVC	PVC
Cable color	grey	grey	grey	grey
Cable length	2 m	2 m	2 m	2 m
Conductor size	0.34 mm <sup>2</sup>	0.34 mm <sup>2</sup>	0.25 mm <sup>2</sup>	0.25 mm <sup>2</sup>
Cable specification	shielded lead	shielded lead	shielded lead	shielded lead
Standard	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2
Housing Color	black	black	black	black
<b>Drawing</b>				
<b>Technical data</b>				
Wire stranding	42 x 0.1	42 x 0.1	32 x 0.1	32 x 0.1
Rated voltage	250 V AC/DC	250 V AC/DC	60 V AC/DC	30 V AC/DC
Rated current	4 A	4 A	4 A	1.5 A
<b>Material</b>				
Contact material	Cu Zn	Cu Zn	Cu Zn	Cu Zn
Contact surface material	Au	Au	Au	Au
Contact bearer material	PA	PA	PA	PA
Housing material	TPU	TPU	TPU	TPU
Coupling nut material	Zn Al/Ni	Zn Al/Ni	Zn Al/Ni	Zn Al/Ni
O-Ring	Viton	Viton	Viton	Viton
<b>Environmental conditions</b>				
Protection class (IEC 60529)	IP 67	IP 67	IP 67	IP 67
Pollution severity	3	3	3/2	3/2
Temperature range	-25 °C to +90 °C	-25 °C to +90 °C	-25 °C to +90 °C	-25 °C to +90 °C
<b>Inflammability class</b>				
Cable	fire resist.	fire resist.	fire resist.	fire resist.
<b>Packaging unit</b>				
Packaging unit	50 pieces	50 pieces	50 pieces	50 pieces
<b>Scope of delivery and accessories</b>				
Accessories to order separately	protective cap M 12 VS, order no. 734 209-100	protective cap M 12 VS, order no. 734 209-100	protective cap M 12 VS, order no. 734 209-100	protective cap M 12 VS, order no. 734 209-100

# CIRCULAR CONNECTORS E-SERIES M12/FIXCON®



Straight cable plug with integrally molded lead



WITH SCREW LOCKING

Product description							
Description	Straight cable plug, with integrally molded lead, self-securing lock nut	Straight cable plug, with integrally molded lead, self-securing lock nut		Straight cable plug, with integrally molded lead, self-securing lock nut	Straight cable plug, with integrally molded lead, self-securing lock nut	Straight cable plug, with integrally molded lead, self-securing lock nut	Straight cable plug, with integrally molded lead, self-securing lock nut
Type	<b>EM123 PVC3x034L0200 50</b>	<b>EM123 PUR3x034L0200 50</b>		<b>EM123 PVC3x034ogL0200 50</b>	<b>EM123 PUR3x034ogL0200 50</b>	<b>EM124 PVC4x034L0200 50</b>	<b>EM124 PUR4x034L0200 50</b>
Order No.	934 403-102	934 403-203		934 403-302	934 403-403	934 403-100	934 403-202
Other standard types	black housing, cable material PVC, cable length 5 m: order no. 934 403-103; black housing, cable material PUR, cable length 2 m: order no. 934 403-203; cable length 5 m: order no. 934 403-200	black housing, cable material PUR, cable length 5 m: order no. 934 403-200; black housing, cable material PVC, cable length 2 m: order no. 934 403-102; cable length 5 m: order no. 934 403-103		orange housing, cable material PVC, cable length 5 m: order no. 934 403-303; orange housing, cable material PUR, cable length 2 m: order no. 934 403-403; cable length 5 m: order no. 934 403-400	orange housing, cable material PUR, cable length 5 m: order no. 934 403-400; orange housing, cable material PVC, cable length 2 m: order no. 934 403-302; cable length 5 m: order no. 934 403-303	black housing, cable material PVC, cable length 5 m: order no. 934 403-101; black housing, cable material PUR, cable length 2 m: order no. 934 403-202; cable length 5 m: order no. 934 403-201	black housing, cable material PUR, cable length 5 m: order no. 934 403-201; black housing, cable material PVC, cable length 2 m: order no. 934 403-100; cable length 5 m: order no. 934 403-101
Type of contact	male	male		male	male	male	male
Number of contacts	3	3		3	3	4	4
Cable material	PVC	PUR		PVC	PUR	PVC	PUR
Cable color	black	black		orange	orange	black	black
Cable length	2 m	2 m		2 m	2 m	2 m	2 m
Conductor size	0.34 mm <sup>2</sup>	0.34 mm <sup>2</sup>		0.34 mm <sup>2</sup>	0.34 mm <sup>2</sup>	0.34 mm <sup>2</sup>	0.34 mm <sup>2</sup>
Cable specification	high flexible lead	high flexible lead		high flexible lead	high flexible lead	high flexible lead	high flexible lead
Standard	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2		IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2
Housing Color	black	black		orange	orange	black	black
Drawing							
Technical data							
Pin dimensions	1 mm	1 mm		1 mm	1 mm	1 mm	1 mm
Wire stranding	42 x 0.1	42 x 0.1		42 x 0.1	42 x 0.1	42 x 0.1	42 x 0.1
Rated voltage	250 V AC/DC	250 V AC/DC		250 V AC/DC	250 V AC/DC	250 V AC/DC	250 V AC/DC
Rated current	4 A	4 A		4 A	4 A	4 A	4 A
Material							
Contact material	Cu Sn 6	Cu Sn 6		Cu Sn 6	Cu Sn 6	Cu Sn 6	Cu Sn 6
Contact surface material	Au	Au		Au	Au	Au	Au
Contact bearer material	PUR	PUR		PUR	PUR	PUR	PUR
Housing material	PUR	PUR		PUR	PUR	PUR	PUR
Coupling nut material	Zn Al/Ni	Zn Al/Ni		Zn Al/Ni	Zn Al/Ni	Zn Al/Ni	Zn Al/Ni
Environmental conditions							
Protection class (IEC 60529)	IP 68	IP 68 / IP 69K		IP 68	IP 68 / IP 69K	IP 68	IP 68 / IP 69K
Pollution severity	3	3		3	3	3	3
Temperature range	-25°C to +90°C (connector)/+70°C (cable)	-25°C to +90°C (UL: +80 °C)		-25°C to +90°C (connector)/+70°C (cable)	-25°C to +90°C (UL: +80 °C)	-25°C to +90°C (connector)/+70°C (cable)	-25°C to +90°C (UL: +80 °C)
Inflammability class							
Cable	fire resist. IEC 60332-1	fire resist. IEC 332-2		fire resist. IEC 60332-1	fire resist. IEC 332-2	fire resist. IEC 60332-1	fire resist. IEC 332-2
Contact bearer	94 HB	94 HB		94 HB	94 HB	94 HB	94 HB
Approvals							
UL	UL version pending	UL pending		UL version pending	UL pending	UL version pending	UL pending
Packaging unit							
Packaging unit	50 pieces	50 pieces		50 pieces	50 pieces	50 pieces	50 pieces

# CIRCULAR CONNECTORS E-SERIES M12/FIXCON®



Straight cable plug with integrally molded lead



WITH SCREW LOCKING

Product description	EM124 PVC4x034ogL0200 50	EM124 PUR4x034ogL0200 50	EM125 PVC5x034L0200 50	EM125 PUR5x034L0200 50	EM125 PVC5x034ogL0200 50	EM125 PUR5x034ogL0200 50	
Description	Straight cable plug, with integrally molded lead, self-securing lock nut	Straight cable plug, with integrally molded lead, self-securing lock nut		Straight cable plug, with integrally molded lead, self-securing lock nut	Straight cable plug, with integrally molded lead, self-securing lock nut	Straight cable plug, with integrally molded lead, self-securing lock nut	Straight cable plug, with integrally molded lead, self-securing lock nut
Type	EM124 PVC4x034ogL0200 50	EM124 PUR4x034ogL0200 50		EM125 PVC5x034L0200 50	EM125 PUR5x034L0200 50	EM125 PVC5x034ogL0200 50	EM125 PUR5x034ogL0200 50
Order No.	934 403-300	934 403-402		934 403-120	934 403-220	934 403-320	934 403-420
Other standard types	orange housing, cable material PVC, cable length 5 m: order no. 934 403-301; orange housing, cable material PUR, cable length 2 m: order no. 934 403-402; cable length 5 m: order no. 934 403-401	orange housing, cable material PUR, cable length 5 m: order no. 934 403-401; orange housing, cable material PVC, cable length 2 m: order no. 934 403-300; cable length 5 m: order no. 934 403-301		black housing, cable material PVC, cable length 5 m: order no. 934 403-121; black housing, cable material PUR, cable length 2 m: order no. 934 403-220; cable length 5 m: order no. 934 403-221	black housing, cable material PUR, cable length 5 m: order no. 934 403-221; black housing, cable material PVC, cable length 2 m: order no. 934 403-120; cable length 5 m: order no. 934 403-121	orange housing, cable material PVC, cable length 5 m: order no. 934 403-321; orange housing, cable material PUR, cable length 2 m: order no. 934 403-420; cable length 5 m: order no. 934 403-421	orange housing, cable material PUR, cable length 5 m: order no. 934 403-421; orange housing, cable material PVC, cable length 2 m: order no. 934 403-320; cable length 5 m: order no. 934 403-321
Type of contact	male	male		male	male	male	male
Number of contacts	4	4		5	5	5	5
Cable material	PVC	PUR		PVC	PUR	PVC	PUR
Cable color	orange	orange		black	black	orange	orange
Cable length	2 m	2 m		2 m	2 m	2 m	2 m
Conductor size	0.34 mm <sup>2</sup>	0.34 mm <sup>2</sup>		0.34 mm <sup>2</sup>	0.34 mm <sup>2</sup>	0.34 mm <sup>2</sup>	0.34 mm <sup>2</sup>
Cable specification	high flexible lead	high flexible lead		high flexible lead	high flexible lead	high flexible lead	high flexible lead
Standard	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2		IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2
Housing Color	orange	orange		black	black	orange	orange
Drawing							
Technical data							
Pin dimensions	1 mm	1 mm		1 mm	1 mm	1 mm	1 mm
Wire stranding	42 x 0.1	42 x 0.1		42 x 0.1	42 x 0.1	42 x 0.1	42 x 0.1
Rated voltage	250 V AC/DC	250 V AC/DC		60 V AC/DC	60 V AC/DC	60 V AC/DC	60 V AC/DC
Rated current	4 A	4 A		4 A	4 A	4 A	4 A
Material							
Contact material	Cu Sn 6	Cu Sn 6		Cu Sn 6	Cu Sn 6	Cu Sn 6	Cu Sn 6
Contact surface material	Au	Au		Au	Au	Au	Au
Contact bearer material	PUR	PUR		PUR	PUR	PUR	PUR
Housing material	PUR	PUR		PUR	PUR	PUR	PUR
Coupling nut material	Zn Al/Ni	Zn Al/Ni		Zn Al/Ni	Zn Al/Ni	Zn Al/Ni	Zn Al/Ni
Environmental conditions							
Protection class (IEC 60529)	IP 68	IP 68 / IP 69K		IP 68	IP 68 / IP 69K	IP 68	IP 68 / IP 69K
Pollution severity	3	3		3	3	3	3
Temperature range	-25°C to +90°C (connector)/+70°C (cable)	-25°C to +90°C (UL: +80 °C)		-25°C to +90°C (connector)/+70°C (cable)	-25°C to +90°C (UL: +80 °C)	-25°C to +90°C (connector)/+70°C (cable)	-25°C to +90°C (UL: +80 °C)
Inflammability class							
Cable	fire resist. IEC 60332-1	fire resist. IEC 332-2		fire resist. IEC 60332-1	fire resist. IEC 332-2	fire resist. IEC 60332-1	fire resist. IEC 332-2
Contact bearer	94 HB	94 HB		94 HB	94 HB	94 HB	94 HB
Approvals							
UL	UL version pending	UL pending		UL version pending	UL pending	UL version pending	UL pending
Packaging unit							
Packaging unit	50 pieces	50 pieces		50 pieces	50 pieces	50 pieces	50 pieces

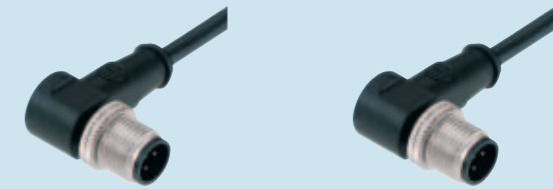
# CIRCULAR CONNECTORS E-SERIES M12/FIXCON®



Straight cable plug with integrally molded lead



Angled cable plug with integrally molded lead



WITH SCREW LOCKING

Product description	
Description	Straight cable plug, with integrally molded lead, self-securing lock nut
Type	<b>EM128 PVC8x025L0200 50</b>
Order No.	934 403-130
Other standard types	black housing, cable material PVC, cable length 5 m: order no. 934 403-131
Type of contact	male
Number of contacts	8
Cable material	PVC
Cable color	grey
Cable length	2 m
Conductor size	0.25 mm <sup>2</sup>
Cable specification	high flexible lead
Standard	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2
Housing Color	black
Drawing	
Technical data	
Pin dimensions	1 mm
Wire stranding	32 x 0.1
Rated voltage	30 V AC/DC
Rated current	1.5 A
Material	
Contact material	Cu Zn
Contact surface material	Au
Contact bearer material	PA
Housing material	TPU
Coupling nut material	Zn Al/Ni
Environmental conditions	
Protection class (IEC 60529)	IP 67
Pollution severity	3
Temperature range	-25 °C to +90 °C
Inflammability class	
Cable	fire resist.
Contact bearer	
Approvals	
UL	
Packaging unit	
Packaging unit	50 pieces

WITH SCREW LOCKING

Product description		
Description	Angled cable plug, with integrally molded lead, self-securing lock nut	Angled cable plug, with integrally molded lead, self-securing lock nut
Type	<b>EWM123 PVC3x034L0200 50</b>	<b>EWM123 PUR3x034L0200 50</b>
Order No.	934 404-101	934 404-200
Other standard types	black housing, cable material PVC, cable length 5 m: order no. 934 404-103; black housing, cable material PUR, cable length 2 m: order no. 934 404-200; cable length 5 m: order no. 934 404-203	black housing, cable material PUR, cable length 5 m: order no. 934 404-203; black housing, cable material PUR, cable length 2 m: order no. 934 404-101; cable length 5 m: order no. 934 404-103
Type of contact	male	male
Number of contacts	3	3
Cable material	PVC	PUR
Cable color	black	black
Cable length	2 m	2 m
Conductor size	0.34 mm <sup>2</sup>	0.34 mm <sup>2</sup>
Cable specification	high flexible lead	high flexible lead
Standard	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2
Housing Color	black	black
Drawing		
Technical data		
Pin dimensions	1 mm	1 mm
Wire stranding	42 x 0.1	42 x 0.1
Rated voltage	250 V AC/DC	250 V AC/DC
Rated current	4 A	4 A
Material		
Contact material	Cu Sn 6	Cu Sn 6
Contact surface material	Au	Au
Contact bearer material	PUR	PUR
Housing material	PUR	PUR
Coupling nut material	Zn Al/Ni	Zn Al/Ni
Environmental conditions		
Protection class (IEC 60529)	IP 68	IP 68 / IP 69K
Pollution severity	3	3
Temperature range	-25°C to +90°C (connector)/+70°C (cable)	-25 °C to +90 °C (UL: +80 °C)
Inflammability class		
Cable	fire resist. IEC 60332-1	fire resist. IEC 332-2
Contact bearer	94 HB	94 HB
Approvals		
UL	UL version pending	UL pending
Packaging unit		
Packaging unit	50 pieces	50 pieces



# CIRCULAR CONNECTORS E-SERIES M12/FIXCON®



Angled cable plug with integrally molded lead



WITH SCREW LOCKING

Product description							
Description	Angled cable plug, with integrally molded lead, self-securing lock nut	Angled cable plug, with integrally molded lead, self-securing lock nut		Angled cable plug, with integrally molded lead, self-securing lock nut	Angled cable plug, with integrally molded lead, self-securing lock nut	Angled cable plug, with integrally molded lead, self-securing lock nut	Angled cable plug, with integrally molded lead, self-securing lock nut
Type	<b>EWM123 PVC3x034ogL0200 50</b>	<b>EWM123 PUR3x034ogL0200 50</b>		<b>EWM124 PVC4x034L0200 50</b>	<b>EWM124 PUR4x034L0200 50</b>	<b>EWM124 PVC4x034ogL0200 50</b>	<b>EWM124 PUR4x034ogL0200 50</b>
Order No.	934 404-301	934 404-400		934 404-100	934 404-201	934 404-300	934 404-401
Other standard types	orange housing, cable material PVC, cable length 5 m: order no. 934 404-303; orange housing, cable material PUR, cable length 2 m: order no. 934 404-400; cable length 5 m: order no. 934 404-403	orange housing, cable material PUR, cable length 5 m: order no. 934 404-403; orange housing, cable material PVC, cable length 2 m: order no. 934 404-301; cable length 5 m: order no. 934 404-303		black housing, cable material PVC, cable length 5 m: order no. 934 404-102; black housing, cable material PUR, cable length 2 m: order no. 934 404-201; cable length 5 m: order no. 934 404-202	black housing, cable material PUR, cable length 5 m: order no. 934 404-202; black housing, cable material PVC, cable length 2 m: order no. 934 404-100; cable length 5 m: order no. 934 404-102	orange housing, cable material PVC, cable length 5 m: order no. 934 404-302; orange housing, cable material PUR, cable length 2 m: order no. 934 404-401; cable length 5 m: order no. 934 404-402	orange housing, cable material PUR, cable length 5 m: order no. 934 404-402; orange housing, cable material PVC, cable length 2 m: order no. 934 404-300; cable length 5 m: order no. 934 404-302
Type of contact	male	male		male	male	male	male
Number of contacts	3	3		4	4	4	4
Cable material	PVC	PUR		PVC	PUR	PVC	PUR
Cable color	orange	orange		black	black	orange	orange
Cable length	2 m	2 m		2 m	2 m	2 m	2 m
Conductor size	0.34 mm <sup>2</sup>	0.34 mm <sup>2</sup>		0.34 mm <sup>2</sup>	0.34 mm <sup>2</sup>	0.34 mm <sup>2</sup>	0.34 mm <sup>2</sup>
Cable specification	high flexible lead	high flexible lead		high flexible lead	high flexible lead	high flexible lead	high flexible lead
Standard	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2		IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2
Housing Color	orange	orange		black	black	orange	orange
Drawing							
Technical data							
Pin dimensions	1 mm	1 mm		1 mm	1 mm	1 mm	1 mm
Wire stranding	42 x 0.1	42 x 0.1		42 x 0.1	42 x 0.1	42 x 0.1	42 x 0.1
Rated voltage	250 V AC/DC	250 V AC/DC		250 V AC/DC	250 V AC/DC	250 V AC/DC	250 V AC/DC
Rated current	4 A	4 A		4 A	4 A	4 A	4 A
Material							
Contact material	Cu Sn 6	Cu Sn 6		Cu Sn 6	Cu Sn 6	Cu Sn 6	Cu Sn 6
Contact surface material	Au	Au		Au	Au	Au	Au
Contact bearer material	PUR	PUR		PUR	PUR	PUR	PUR
Housing material	PUR	PUR		PUR	PUR	PUR	PUR
Coupling nut material	Zn Al/Ni	Zn Al/Ni		Zn Al/Ni	Zn Al/Ni	Zn Al/Ni	Zn Al/Ni
Environmental conditions							
Protection class (IEC 60529)	IP 68	IP 68 / IP 69K		IP 68	IP 68 / IP 69K	IP 68	IP 68 / IP 69K
Pollution severity	3	3		3	3	3	3
Temperature range	-25°C to +90°C (connector)/+70°C (cable)	-25°C to +90°C (UL: +80°C)		-25°C to +90°C (connector)/+70°C (cable)	-25°C to +90°C (UL: +80°C)	-25°C to +90°C (connector)/+70°C (cable)	-25°C to +90°C (UL: +80°C)
Inflammability class							
Cable	fire resist. IEC 60332-1	fire resist. IEC 332-2		fire resist. IEC 60332-1	fire resist. IEC 332-2	fire resist. IEC 60332-1	fire resist. IEC 332-2
Contact bearer	94 HB	94 HB		94 HB	94 HB	94 HB	94 HB
Approvals							
UL	UL version pending	UL pending		UL version pending	UL pending	UL version pending	UL pending
Packaging unit							
Packaging unit	50 pieces	50 pieces		50 pieces	50 pieces	50 pieces	50 pieces



# CIRCULAR CONNECTORS E-SERIES M12/FIXCON®

Angled cable plug with integrally molded lead



WITH SCREW LOCKING

Product description						
Description	Angled cable plug, with integrally molded lead, self-securing lock nut	Angled cable plug, with integrally molded lead, self-securing lock nut		Angled cable plug, with integrally molded lead, self-securing lock nut	Angled cable plug, with integrally molded lead, self-securing lock nut	Angled cable plug, with integrally molded lead, self-securing lock nut
Type	<b>EWM125 PVC5x034L0200 50</b>	<b>EWM125 PUR5x034L0200 50</b>		<b>EWM125 PVC5x034ogL0200 50</b>	<b>EWM125 PUR5x034ogL0200 50</b>	<b>EWM128 PVC8x025L0200 50</b>
Order No.	934 404-120	934 404-220		934 404-320	934 404-420	934 404-130
Other standard types	black housing, cable material PVC, cable length 5 m: order no. 934 404-121; black housing, cable material PUR, cable length 2 m: order no. 934 404-220; cable length 5 m: order no. 934 404-221	black housing, cable material PUR, cable length 5 m: order no. 934 404-221; black housing, cable material PVC, cable length 2 m: order no. 934 404-120; cable length 5 m: order no. 934 404-121		orange housing, cable material PVC, cable length 5 m: order no. 934 404-321; orange housing, cable material PUR, cable length 2 m: order no. 934 404-420; cable length 5 m: order no. 934 404-421	orange housing, cable material PUR, cable length 5 m: order no. 934 404-421; orange housing, cable material PVC, cable length 2 m: order no. 934 404-320; cable length 5 m: order no. 934 404-321	black housing, cable material PVC, cable length 5 m: order no. 934 404-131
Type of contact	male	male		male	male	male
Number of contacts	5	5		5	5	8
Cable material	PVC	PUR		PVC	PUR	PVC
Cable color	black	black		orange	orange	grey
Cable length	2 m	2 m		2 m	2 m	2 m
Conductor size	0.34 mm <sup>2</sup>	0.34 mm <sup>2</sup>		0.34 mm <sup>2</sup>	0.34 mm <sup>2</sup>	0.25 mm <sup>2</sup>
Cable specification	high flexible lead	high flexible lead		high flexible lead	high flexible lead	high flexible lead
Standard	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2		IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2
Housing Color	black	black		orange	orange	black
Drawing						
Technical data						
Pin dimensions	1 mm	1 mm		1 mm	1 mm	1 mm
Wire stranding	42 x 0.1	42 x 0.1		42 x 0.1	42 x 0.1	32 x 0.1
Rated voltage	60 V AC/DC	60 V AC/DC		60 V AC/DC	60 V AC/DC	30 V AC/DC
Rated current	4 A	4 A		4 A	4 A	1.5 A
Material						
Contact material	Cu Sn 6	Cu Sn 6		Cu Sn 6	Cu Sn 6	Cu Zn
Contact surface material	Au	Au		Au	Au	Au
Contact bearer material	PUR	PUR		PUR	PUR	PA
Housing material	PUR	PUR		PUR	PUR	TPU
Coupling nut material	Zn Al/Ni	Zn Al/Ni		Zn Al/Ni	Zn Al/Ni	Zn Al/Ni
Environmental conditions						
Protection class (IEC 60529)	IP 68	IP 68 / IP 69K		IP 68	IP 68 / IP 69K	IP 67
Pollution severity	3	3		3	3	3
Temperature range	-25 °C to +90 °C (connector)/+70 °C (cable)	-25 °C to +90 °C (UL: +80 °C)		-25 °C to +90 °C (connector)/+70 °C (cable)	-25 °C to +90 °C (UL: +80 °C)	-25 °C to +90 °C
Inflammability class						
Cable	fire resist. IEC 60332-1	fire resist. IEC 332-2		fire resist. IEC 60332-1	fire resist. IEC 332-2	fire resist.
Contact bearer	94 HB	94 HB		94 HB	94 HB	
Approvals						
UL	UL version pending	UL pending		UL version pending	UL pending	
Packaging unit						
Packaging unit	50 pieces	50 pieces		50 pieces	50 pieces	50 pieces



# CIRCULAR CONNECTORS E-SERIES M12/FIXCON®

Straight cable socket, self-assembled



WITH SCREW LOCKING

Product description	PG7	ELST 4012 K PG7		ELST 4012 PG9	ELST 5012 PG7	ELST 5012 PG9	
Description	Straight cable plug, unassembled, strain relief by means of clamping cage	Straight cable plug, unassembled, strain relief by means of clamping cage, plastic coupling thread		Straight cable plug, unassembled, strain relief by means of clamping cage	Straight cable plug, unassembled, strain relief by means of clamping cage	Straight cable plug, unassembled, strain relief by means of clamping cage	
Type	PG7	ELST 4012 K PG7		ELST 4012 PG9	ELST 5012 PG7	ELST 5012 PG9	
Order No.	933 098-100	933 727-100		933 162-100	933 163-100	933 164-100	
Type of contact	male	male		male	male	male	
Number of contacts	4	4		4	5	5	
Cable gland	PG 7	PG 7		PG 9	PG 7	PG 9	
Conductor size	max. 0.75 mm <sup>2</sup>	max. 0.75 mm <sup>2</sup>		max. 0.75 mm <sup>2</sup>	max. 0.75 mm <sup>2</sup>	max. 0.75 mm <sup>2</sup>	
Standard	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2		IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	
Housing Color	black	black		black	black	black	
Drawing							
Technical data							
Pin dimensions	1 mm	1 mm		1 mm	1 mm	1 mm	
Rated voltage	250 V AC/DC	250 V AC/DC		250 V AC/DC	50 V AC/DC	50 V AC/DC	
Rated current	4 A	4 A		4 A	4 A	4 A	
Type of termination	screw	screw		screw	screw	screw	
Suitable cables	diameter 4 mm to 6 mm	diameter 4 mm to 6 mm		diameter 6 mm to 8 mm	diameter 4 mm to 6 mm	diameter 6 mm to 8 mm	
Material							
Contact material	Cu Zn	Cu Zn		Cu Zn	Cu Zn	Cu Zn	
Contact surface material	Sn	Sn		Sn	Sn	Sn	
Contact bearer material	PA	PA		PA	PA	PA	
Housing material	PA	PA		PA	PA	PA	
Coupling nut material	Zn Al/Ni	PA		Zn Al/Ni	Zn Al/Ni	Zn Al/Ni	
O-Ring	NBR	NBR		NBR	NBR	NBR	
Environmental conditions							
Protection class (IEC 60529)	IP 67	IP 67		IP 67	IP 67	IP 67	
Pollution severity	3	3		3	3	3	
Temperature range	-25 °C to +90 °C	-25 °C to +90 °C		-25 °C to +90 °C	-25 °C to +90 °C	-25 °C to +90 °C	
Inflammability class							
Housing	94 V-2	94 V-2		94 V-2	94 V-2	94 V-2	
Contact bearer	94 V-2	94 V-2		94 V-2	94 V-2	94 V-2	
Approvals							
UL	UL pending	UL pending		UL pending	UL pending	UL pending	
Packaging unit							
Packaging unit	100 pieces	100 pieces		100 pieces	100 pieces	100 pieces	

# CIRCULAR CONNECTORS E-SERIES M12/FIXCON®



Angled cable plug, self-assembled



WITH SCREW LOCKING

Product description							
Description	Angled cable plug, unassembled, strain relief by means of clamping cage	Angled cable plug, unassembled, strain relief by means of clamping cage, plastic coupling thread		Angled cable plug, unassembled, strain relief by means of clamping cage	Angled cable plug, unassembled, strain relief by means of clamping cage	Angled cable plug, unassembled, strain relief by means of clamping cage	
Type	<b>ELWIST 4012 PG7</b>	<b>ELWIST 4012 K PG7</b>		<b>ELWIST 4012 PG9</b>	<b>ELWIST 5012 PG7</b>	<b>ELWIST 5012 PG9</b>	
Order No.	933 165-100	933 728-100		933 166-100	933 167-100	933 168-100	
Type of contact	male	male		male	male	male	
Number of contacts	4	4		4	5	5	
Cable gland	PG 7	PG 7		PG 9	PG 7	PG 9	
Conductor size	max. 0.75 mm <sup>2</sup>	max. 0.75 mm <sup>2</sup>		max. 0.75 mm <sup>2</sup>	max. 0.75 mm <sup>2</sup>	max. 0.75 mm <sup>2</sup>	
Standard	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2		IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	
Housing Color	black	black		black	black	black	
Drawing							
Technical data							
Pin dimensions	1 mm	1 mm		1 mm	1 mm	1 mm	
Rated voltage	250 V AC/DC	250 V AC/DC		250 V AC/DC	50 V AC/DC	50 V AC/DC	
Rated current	4 A	4 A		4 A	4 A	4 A	
Type of termination	screw	screw		screw	screw	screw	
Suitable cables	diameter 4 mm to 6 mm	diameter 4 mm to 6 mm		diameter 6 mm to 8 mm	diameter 4 mm to 6 mm	diameter 6 mm to 8 mm	
Material							
Contact material	Cu Zn	Cu Zn		Cu Zn	Cu Zn	Cu Zn	
Contact surface material	Sn	Sn		Sn	Sn	Sn	
Contact bearer material	PA	PA		PA	PA	PA	
Housing material	PA	PA		PA	PA	PA	
Coupling nut material	Zn Al/Ni	PA		Zn Al/Ni	Zn Al/Ni	Zn Al/Ni	
O-Ring	NBR	NBR		NBR	NBR	NBR	
Environmental conditions							
Protection class (IEC 60529)	IP 67	IP 67		IP 67	IP 67	IP 67	
Pollution severity	3	3		3	3	3	
Temperature range	-25 °C to +90 °C	-25 °C to +90 °C		-25 °C to +90 °C	-25 °C to +90 °C	-25 °C to +90 °C	
Inflammability class							
Housing	94 V-2	94 V-2		94 V-2	94 V-2	94 V-2	
Contact bearer	94 V-2	94 V-2		94 V-2	94 V-2	94 V-2	
Approvals							
UL	UL pending	UL pending		UL pending	UL pending	UL pending	
Packaging unit							
Packaging unit	100 pieces	100 pieces		100 pieces	100 pieces	100 pieces	



# CIRCULAR CONNECTORS E-SERIES M12/FIXCON®

Shielded, straight cable plug with integrally molded lead



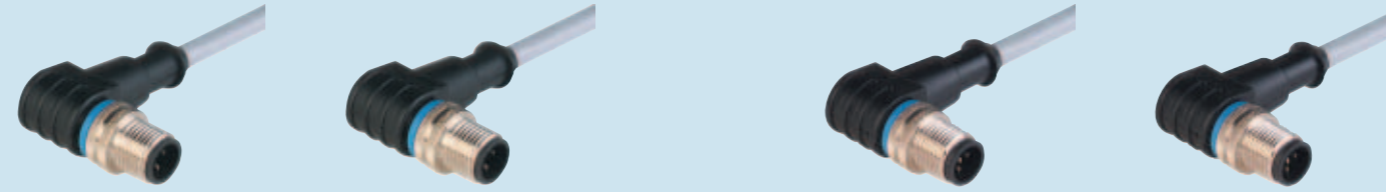
WITH SCREW LOCKING

Product description		Straight cable plug, shielded, with integrally molded lead, self-securing lock nut		Straight cable plug, shielded, with integrally molded lead, self-securing lock nut		Straight cable plug, shielded, with integrally molded lead, self-securing lock nut		Straight cable plug, shielded, with integrally molded lead, self-securing lock nut		
Description	EM123S PVC3x034L0200 50	EM124S PVC4x034L0200 50	EM125S PVC5x025L0200 50	EM128S PVC8x025L0200 50						
Type	934 503-500	934 503-510	934 503-520	934 503-530						
Order No.	male	male	male	male						
Type of contact	3	4	5	8						
Number of contacts	PVC	PVC	PVC	PVC						
Cable material	grey	grey	grey	grey						
Cable color	2 m	2 m	2 m	2 m						
Cable length	0.34 mm <sup>2</sup>	0.34 mm <sup>2</sup>	0.25 mm <sup>2</sup>	0.25 mm <sup>2</sup>						
Conductor size	shielded lead	shielded lead	shielded lead	shielded lead						
Cable specification	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2						
Standard	black	black	black	black						
Housing Color	<b>Drawing</b>									
	<b>Technical data</b>									
Pin dimensions	1 mm	1 mm	1 mm	1 mm						
Wire stranding	42 x 0.1	42 x 0.1	32 x 0.1	32 x 0.1						
Rated voltage	250 V AC/DC	250 V AC/DC	60 V AC/DC	30 V AC/DC						
Rated current	4 A	4 A	4 A	1.5 A						
	<b>Material</b>									
Contact material	Cu Zn	Cu Zn	Cu Zn	Cu Zn						
Contact surface material	Au	Au	Au	Au						
Contact bearer material	PA	PA	PA	PA						
Housing material	TPU	TPU	TPU	TPU						
Coupling nut material	Zn Al/Ni	Zn Al/Ni	Zn Al/Ni	Zn Al/Ni						
	<b>Environmental conditions</b>									
Protection class (IEC 60529)	IP 67	IP 67	IP 67	IP 67						
Pollution severity	3/2	3/2	3/2	3/2						
Temperature range	-25 °C to +90 °C	-25 °C to +90 °C	-25 °C to +90 °C	-25 °C to +90 °C						
	<b>Inflammability class</b>									
Cable	fire resist.	fire resist.	fire resist.	fire resist.						
	<b>Packaging unit</b>									
Packaging unit	50 pieces	50 pieces	50 pieces	50 pieces						

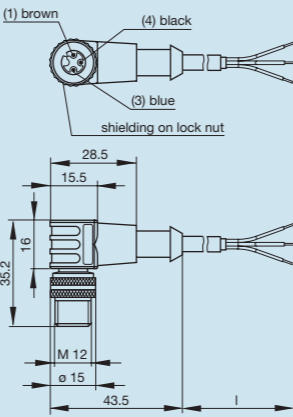
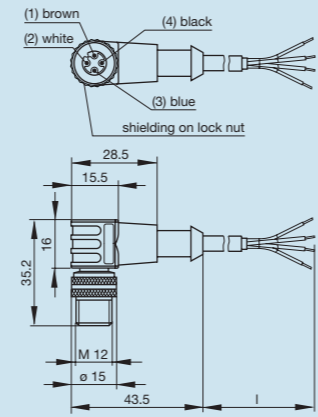
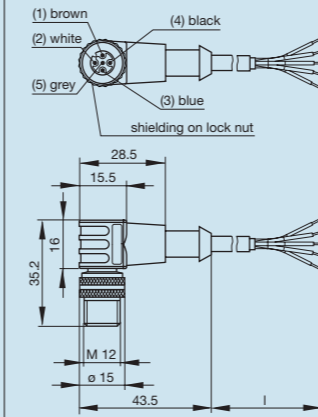
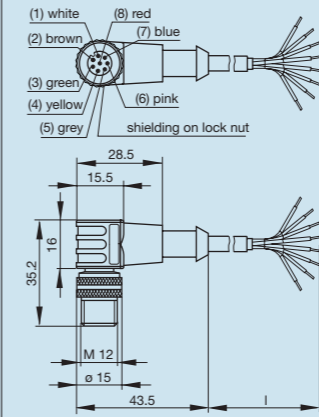


# CIRCULAR CONNECTORS E-SERIES M12/FIXCON®

Shielded, angled cable plug with integrally molded lead



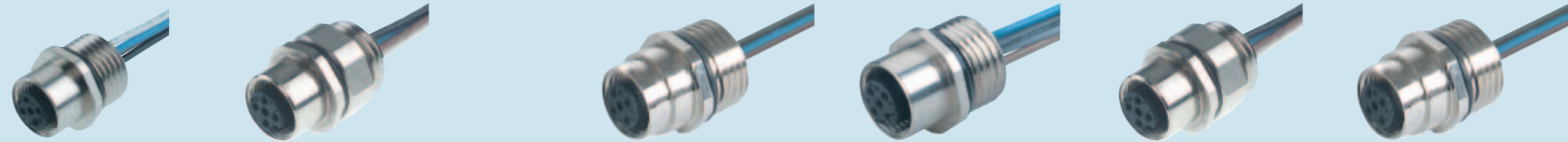
WITH SCREW LOCKING

Product description	EWM123S PVC3x034L0200 50	EWM124S PVC4x034L0200 50	EWM125S PVC5x025L0200 50	EWM128S PVC8x025L0200 50
Description	Angled cable plug, shielded, with integrally molded lead, self-securing lock nut	Angled cable plug, shielded, with integrally molded lead, self-securing lock nut	Angled cable plug, shielded, with integrally molded lead, self-securing lock nut	Angled cable plug, shielded, with integrally molded lead, self-securing lock nut
Type	EWM123S PVC3x034L0200 50	EWM124S PVC4x034L0200 50	EWM125S PVC5x025L0200 50	EWM128S PVC8x025L0200 50
Order No.	934 504-500	934 504-510	934 504-520	934 504-530
Type of contact	male	male	male	male
Number of contacts	3	4	5	8
Cable material	PVC	PVC	PVC	PVC
Cable color	grey	grey	grey	grey
Cable length	2 m	2 m	2 m	2 m
Conductor size	0.34 mm <sup>2</sup>	0.34 mm <sup>2</sup>	0.25 mm <sup>2</sup>	0.25 mm <sup>2</sup>
Cable specification	shielded lead	shielded lead	shielded lead	shielded lead
Standard	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2
Housing Color	black	black	black	black
Drawing				
Technical data				
Pin dimensions	1 mm	1 mm	1 mm	1 mm
Wire stranding	42 x 0.1	42 x 0.1	32 x 0.1	32 x 0.1
Rated voltage	250 V AC/DC	250 V AC/DC	60 V AC/DC	30 V AC/DC
Rated current	4 A	4 A	4 A	1.5 A
Material				
Contact material	Cu Zn	Cu Zn	Cu Zn	Cu Zn
Contact surface material	Au	Au	Au	Au
Contact bearer material	PA	PA	PA	PA
Housing material	TPU	TPU	TPU	TPU
Coupling nut material	Zn Al/Ni	Zn Al/Ni	Zn Al/Ni	Zn Al/Ni
Environmental conditions				
Protection class (IEC 60529)	IP 67	IP 67	IP 67	IP 67
Pollution severity	3/2	3/2	3/2	3/2
Temperature range	-25 °C to +90 °C	-25 °C to +90 °C	-25 °C to +90 °C	-25 °C to +90 °C
Inflammability class				
Cable	fire resist.	fire resist.	fire resist.	fire resist.
Packaging unit				
Packaging unit	50 pieces	50 pieces	50 pieces	50 pieces



# CIRCULAR CONNECTORS E-SERIES M12/FIXCON®

Appliance socket for front panel mounting with PG or metrical thread



WITH SCREW LOCKING

Product description							
Description	Screw-in appliance socket, PG 9 front mounting thread, with wire ends, cast, O-ring	Screw-in appliance socket, PG 9 front mounting thread, with wire ends, cast, coding with adjusting nut, re-positionable, O-ring		Screw-in appliance socket, M 16 front mounting thread, with wire ends, cast, O-ring, FIXCON snap locking	Screw-in appliance socket, PG 9 front mounting thread, with wire ends, cast, O-ring	Screw-in appliance socket, PG 9 front mounting thread, with wire ends, cast, coding with adjusting nut, re-positionable, O-ring	Screw-in appliance socket, M 16 front mounting thread, with wire ends, cast, O-ring, FIXCON snap locking
Type	<b>ELKE 412 PG9 Sn</b>	<b>ELKE 412 PG9 P Au</b>		<b>EF12M4FIX Au</b>	<b>ELKE 512 PG9 Au</b>	<b>ELKE 512 PG9 P Au</b>	<b>EF12M5FIX Au</b>
Order No.	933 039-100	933 044-100		934 450-001	933 040-100	933 045-100	934 450-201
Type of contact	female	female		female	female	female	female
Number of contacts	4	4		4	5	5	5
Cable material	PVC	PVC		PVC	PVC	PVC	PVC
Cable length	0.2 m	0.2 m		0.2 m	0.2 m	0.2 m	0.2 m
Cable gland	PG 9	PG 9		M 16	PG 9	PG 9	M 16
Conductor size	0.34 mm <sup>2</sup>	0.34 mm <sup>2</sup>		0.34 mm <sup>2</sup>	0.34 mm <sup>2</sup>	0.34 mm <sup>2</sup>	0.34 mm <sup>2</sup>
Cable specification	7 x 0.25 mm	7 x 0.25 mm		7 x 0.25 mm	7 x 0.25 mm	7 x 0.25 mm	7 x 0.25 mm
Standard	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2		IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2
Housing Color	silver	silver		silver	silver	silver	silver
<b>Drawing</b>							
<b>Technical data</b>							
Wire stranding	4 cores per 0.34 mm <sup>2</sup>	4 cores per 0.34 mm <sup>2</sup>		4 cores per 0.34 mm <sup>2</sup>	5 cores per 0.34 mm <sup>2</sup>	5 cores per 0.34 mm <sup>2</sup>	5 cores per 0.34 mm <sup>2</sup>
Rated voltage	250 V AC/DC	250 V AC/DC		250 V AC/DC	50 V AC/DC	50 V AC/DC	50 V AC/DC
Rated current	4 A	4 A		4 A	4 A	4 A	4 A
<b>Material</b>							
Contact material	Cu Zn	Cu Zn		Cu Zn	Cu Zn	Cu Zn	Cu Zn
Contact surface material	Sn	Au		Au	Au	Au	Au
Contact bearer material	PA	PA		PA	PA	PA	PA
Housing material	Cu Zn/Ni	Cu Zn/Ni		Cu Zn/Ni	Cu Zn/Ni	Cu Zn/Ni	Cu Zn/Ni
O-Ring	NBR	NBR		Viton	NBR	NBR	Viton
<b>Environmental conditions</b>							
Protection class (IEC 60529)	IP 67	IP 67		IP 67	IP 67	IP 67	IP 67
Pollution severity	3	3		3	3	3	3
Temperature range	-25 °C to +90 °C	-25 °C to +90 °C		-25 °C to +90 °C	-25 °C to +90 °C	-25 °C to +90 °C	-25 °C to +90 °C
<b>Inflammability class</b>							
Contact bearer	94 V-2	94 V-2		94 V-2	94 V-2	94 V-2	94 V-2
<b>Approvals</b>							
UL	UL	UL		UL pending	UL	UL	UL pending
<b>Packaging unit</b>							
Packaging unit	100 pieces	100 pieces		100 pieces	100 pieces	100 pieces	100 pieces
<b>Scope of delivery and accessories</b>							
Accessories to order separately	protective cap M12 VS, order no. 734 209-100; fastening nut ELST M PG9, order no. 733 877-001	protective cap M12 VS, order no. 734 209-100		protective cap M12 VS, order no. 734 209-100; fastening nut ELST M M16, order no. 735 413-001	protective cap M12 VS, order no. 734 209-100; fastening nut ELST M PG9, order no. 733 877-001	protective cap M12 VS, order no. 734 209-100	protective cap M12 VS, order no. 734 209-100; fastening nut ELST M M16, order no. 735 413-001



# CIRCULAR CONNECTORS E-SERIES M12/FIXCON®

Appliance socket for front panel mounting  
(circuit board)



WITH SCREW LOCKING

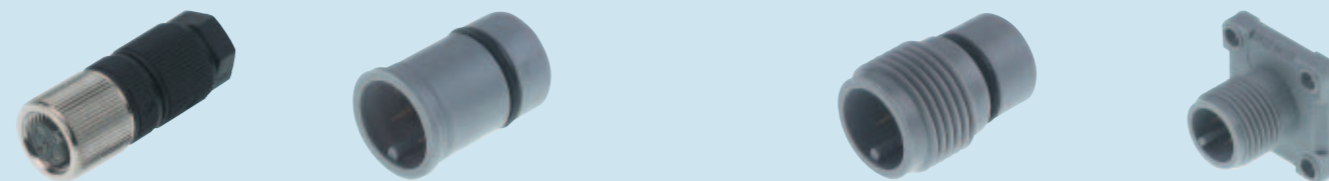
Product description	Vertical appliance socket for combined front panels and circuit board installation with 2 metal screws, 2 x O-rings	Horizontal appliance socket for combined front panels and circuit board installation with 2 metal screws, 2 x O-rings		Vertical appliance socket for combined front panels and circuit board installation with 2 metal screws, 2 x O-rings	Horizontal appliance socket for combined front panels and circuit board installation with 2 metal screws, 2 x O-rings	Appliance connector for flange mounting, with flat gasket
Type	EF12L4 Au	EF12LW4 Au		EF12L5 Au	EF12LW5 Au	ELST 412 FA
Order No.	933 279-200	933 395-200		933 551-200	933 821-200	932 328-206
Type of contact	female	female		female	female	male
Number of contacts	4	4		5	5	4
Standard	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2		IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2
Housing Color	silver	silver		silver	silver	grey
Drawing						
<b>Technical data</b>						
Pin dimensions						1 mm
Rated voltage	150 V AC/DC	150 V AC/DC		50 V AC/DC	50 V AC/DC	150 V AC/DC
Rated current	4 A	4 A		4 A	4 A	4 A
Type of termination	solder, solid pins diameter 1 mm	solder, solid pins diameter 1 mm		solder, solid pins diameter 1 mm	solder, solid pins diameter 1 mm	solder, hollow pins
Suitable cables						max. 0,5 mm <sup>2</sup>
<b>Material</b>						
Contact material	Cu Zn	Cu Zn		Cu Zn	Cu Zn	Cu Zn
Contact surface material	Au	Au		Au	Au	Sn
Contact bearer material	PA	PA		PA	PA	PA
Housing material	Cu Zn/Ni	Cu Zn/Ni		Cu Zn/Ni	Cu Zn/Ni	PA
O-Ring	NBR	NBR		NBR	NBR	NBR
<b>Environmental conditions</b>						
Protection class (IEC 60529)	IP 68	IP 68		IP 68	IP 68	IP 68
Pollution severity	3	3		3	3	3
Temperature range	-25 °C to +90 °C	-25 °C to +90 °C		-25 °C to +90 °C	-25 °C to +90 °C	-25 °C to +90 °C
<b>Inflammability class</b>						
Contact bearer	94 V-2	94 V-2		94 V-2	94 V-2	94 V-2
<b>Approvals</b>						
UL	UL pending	UL pending		UL pending	UL pending	UL
<b>Packaging unit</b>						
Packaging unit	100 pieces	100 pieces		100 pieces	100 pieces	100 pieces
<b>Scope of delivery and accessories</b>						
Accessories to order separately	protective cap M12 VS, order no. 734 209-100	protective cap M12 VS, order no. 734 209-100		protective cap M12 VS, order no. 734 209-100	protective cap M12 VS, order no. 734 209-100	protective cap M12 VS, order no. 734 209-100





# CIRCULAR CONNECTORS E-SERIES M12/FIXCON®

Appliance socket, VarioQuick contact pins



WITH SCREW LOCKING

Product description							
Description	Fast connection system with CDI bonding	Appliance connector for M12 sensors with VarioQuick contact pins, press-in tube mounting, O-ring		Appliance connector for M12 sensors with VarioQuick contact pins (with thread), press-in tube mounting, O-ring	Appliance connector for flangemounting with VarioQuick contact pins, flat gasket		
Type	<b>ECF 4012</b>	<b>ECM 400 RD/12</b>		<b>ECM 412</b>	<b>ECM 412 FA</b>		
Order No.	934 162-100	934 163-106		934 180-106	934 164-106		
Type of contact		male		male	male		
Number of contacts	4	4		4	4		
Cable gland	PG 7						
Conductor size		max. 0.5 mm <sup>2</sup>		max. 0.5 mm <sup>2</sup>	max. 0.5 mm <sup>2</sup>		
Standard		IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2		IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2		
Housing Color	black	grey		grey	grey		
<b>Drawing</b>							
<b>Technical data</b>							
Pin dimensions		1 mm		1 mm	1 mm		
Rated voltage	60 V AC/DC	150 V AC/DC		150 V AC/DC	150 V AC/DC		
Rated current	4 A	4 A		4 A	4 A		
Type of termination	CDI (Conductor Displacement Interconnect)	solder		solder	solder, hollow pins		
Suitable cables	PvR (4 x 0.5 mm <sup>2</sup> )	max. 0.5 mm <sup>2</sup>		max. 0.5 mm <sup>2</sup>	max. 0.5 mm <sup>2</sup>		
<b>Material</b>							
Contact material		Cu Zn		Cu Zn	Cu Zn		
Contact surface material		Au		Au	Au		
Contact bearer material		PA		PA	PA		
Housing material	PA	PA		PA	PA		
Coupling nut material	Cu Zn/Ni						
O-Ring	Viton / NBR	NBR		NBR	NBR		
<b>Environmental conditions</b>							
Protection class (IEC 60529)	IP 67	IP 68		IP 68	IP 68		
Pollution severity	3	3		3	3		
Temperature range	-25°C to +90°C	-25°C to +90°C		-25°C to +90°C	-25°C to +90°C		
<b>Inflammability class</b>							
Contact bearer		94 V-2		94 V-2	94 V-2		
<b>Approvals</b>							
UL		UL		UL	UL		
<b>Packaging unit</b>							
Packaging unit	100 pieces	100 pieces		100 pieces	100 pieces		



# CIRCULAR CONNECTORS E-SERIES M12/FIXCON®

Appliance connector for front panel mounting with PG or metrical thread



WITH SCREW LOCKING

Product description	Appliance connector, PG 9 front mounting thread, with wire ends, cast, O-ring	Appliance connector, PG 9 front mounting thread, with wire ends, cast, O-ring		Appliance connector, M 16 front mounting thread, with wire ends, cast, O-ring, FIXCON snap locking	Appliance connector, PG 9 front mounting thread, with wire ends, cast, O-ring	Appliance connector, M 16 front mounting thread, with wire ends, cast, O-ring, FIXCON snap locking
Description	Appliance connector, PG 9 front mounting thread, with wire ends, cast, O-ring	Appliance connector, PG 9 front mounting thread, with wire ends, cast, O-ring		Appliance connector, M 16 front mounting thread, with wire ends, cast, O-ring, FIXCON snap locking	Appliance connector, PG 9 front mounting thread, with wire ends, cast, O-ring	Appliance connector, M 16 front mounting thread, with wire ends, cast, O-ring, FIXCON snap locking
Type	<b>ELST 412 PG9 Sn</b>	<b>ELST 412 PG9 Au</b>		<b>EM12M4FIX Au</b>	<b>ELST 512 PG9 Au</b>	<b>EM12M5FIX Au</b>
Order No.	932 916-206	932 916-106		934 449-001	932 878-100	934 449-201
Type of contact	male	male		male	male	male
Number of contacts	4	4		4	5	5
Cable material	PVC	PVC		PVC	PVC	PVC
Cable length	0.2 m	0.2 m		0.2 m	0.2 m	0.2 m
Conductor size	0.34 mm <sup>2</sup>	0.34 mm <sup>2</sup>		0.34 mm <sup>2</sup>	0.34 mm <sup>2</sup>	0.34 mm <sup>2</sup>
Cable specification	7 x 0.25 mm	7 x 0.25 mm		7 x 0.25 mm	7 x 0.25 mm	7 x 0.25 mm
Standard	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2		IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2
Housing Color	silver	silver		silver	silver	silver
Drawing						
Technical data						
Pin dimensions	1 mm	1 mm		1 mm	1 mm	1 mm
Wire stranding	4 cores per 0.34 mm <sup>2</sup>	4 cores per 0.34 mm <sup>2</sup>		4 cores per 0.34 mm <sup>2</sup>	5 cores per 0.34 mm <sup>2</sup>	5 cores per 0.34 mm <sup>2</sup>
Rated voltage	250 V AC/DC	250 V AC/DC		250 V AC/DC	50 V AC/DC	50 V AC/DC
Rated current	4 A	4 A		4 A	4 A	4 A
Material						
Contact material	Cu Zn	Cu Zn		Cu Zn	Cu Zn	Cu Zn
Contact surface material	Sn	Au		Au	Au	Au
Contact bearer material	PA	PA		PA	PA	PA
Housing material	Cu Zn/Ni	Cu Zn/Ni		Cu Zn/Ni	Cu Zn/Ni	Cu Zn/Ni
O-Ring	NBR	NBR		Viton	NBR	Viton
Environmental conditions						
Protection class (IEC 60529)	IP 67	IP 67		IP 67	IP 67	IP 67
Pollution severity	3	3		3	3	3
Temperature range	-25 °C to +90 °C	-25 °C to +90 °C		-25 °C to +90 °C	-25 °C to +90 °C	-25 °C to +90 °C
Inflammability class						
Contact bearer	94 V-2	94 V-2		94 V-2	94 V-2	94 V-2
Approvals						
UL	UL	UL		UL pending	UL	UL pending
Packaging unit						
Packaging unit	100 pieces	100 pieces		100 pieces	100 pieces	100 pieces
Scope of delivery and accessories						
Accessories to order separately	fastening nut ELST M PG9, order no. 733 877-001	fastening nut ELST M PG9, order no. 733 877-001		fastening nut ELST M M16, order no. 735 413-001	fastening nut ELST M PG9, order no. 733 877-001	fastening nut ELST M M16, order no. 735 413-001

# CIRCULAR CONNECTORS E-SERIES M12/FIXCON®



Appliance connector for press-in fit/sensor tube



WITH SCREW LOCKING

Product description							
Description				Appliance connector for M12 sensors, press-in tube mounting, with vent hole	Appliance connector for M12 sensors, press-in tube mounting, with vent hole		
Type	<b>ELST 400/12 093 Sn</b>	<b>ELST 400/12 093 Au</b>		<b>ELST 400L/12 093 Sn</b>	<b>ELST 400L/12 093 Au</b>	<b>ELST 500/12 093 Sn</b>	<b>ELST 500/12 093 Au</b>
Order No.	932 440-206	932 440-106		932 416-206	932 416-106	934 267-206	934 267-106
Other standard types	gold-plated contacts, order no. 932 440-106	tinned contacts, order no. 932 440-206		gold-plated contacts, order no. 932 416-106	tinned contacts, order no. 932 416-206	gold-plated contacts, order no. 934 267-106	tinned contacts, order no. 934 267-206
Type of contact	male	male		male	male	male	male
Number of contacts	4	4		4	4	5	5
Conductor size	max. 0.5 mm <sup>2</sup>	max. 0.5 mm <sup>2</sup>		max. 0.5 mm <sup>2</sup>	max. 0.5 mm <sup>2</sup>	max. 0.5 mm <sup>2</sup>	max. 0.5 mm <sup>2</sup>
Standard	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2		IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2
Housing Color	grey	grey		grey	grey	grey	grey
Drawing							
	Sensor tube without ventilation outlet	Sensor tube without ventilation outlet		Sensor tube with ventilation outlet	Sensor tube with ventilation outlet	Sensor tube without ventilation outlet	Sensor tube without ventilation outlet
Technical data							
Pin dimensions	1 mm	1 mm		1 mm	1 mm	1 mm	1 mm
Rated voltage	150 V AC/DC	150 V AC/DC		150 V AC/DC	150 V AC/DC	50 V AC/DC	50 V AC/DC
Rated current	4 A	4 A		4 A	4 A	4 A	4 A
Type of termination	solder	solder		solder	solder	solder	solder
Material							
Contact material	Cu Zn	Cu Zn		Cu Zn	Cu Zn	Cu Zn	Cu Zn
Contact surface material	Sn	Au		Sn	Au	Sn	Au
Contact bearer material	PA	PA		PA	PA	PA	PA
Housing material	PA	PA		PA	PA	PA	PA
O-Ring	NBR	NBR		NBR	NBR	NBR	NBR
Environmental conditions							
Protection class (IEC 60529)	IP 67	IP 67		IP 67	IP 67	IP 68	IP 68
Pollution severity	3	3		3	3	3	3
Temperature range	-25 °C to +90 °C	-25 °C to +90 °C		-25 °C to +90 °C	-25 °C to +90 °C	-25 °C to +90 °C	-25 °C to +90 °C
Inflammability class							
Contact bearer	94 V-2	94 V-2		94 V-2	94 V-2	94 V-2	94 V-2
Approvals							
UL	UL	UL		UL	UL	UL	UL
Packaging unit							
Packaging unit	100 pieces	100 pieces		100 pieces	100 pieces	100 pieces	100 pieces

# CIRCULAR CONNECTORS E-SERIES M12/FIXCON®



Appliance connector for press-in fit/sensor tube



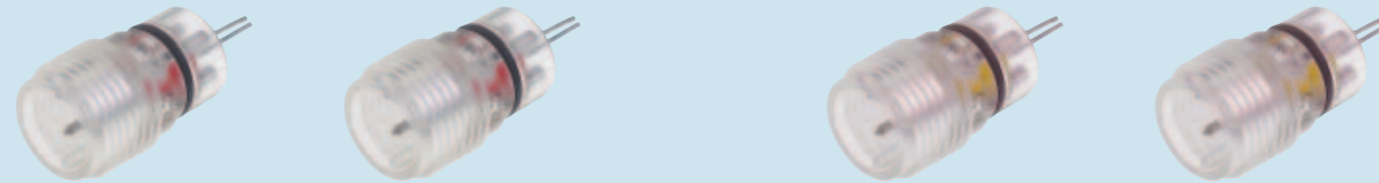
WITH SCREW LOCKING

Product description	Appliance connector for M12 sensors, press-in tube mounting, O-ring, with sealable vent hole	Appliance connector for M12 sensors, press-in tube mounting, O-ring, with sealable vent hole	Appliance connector for M12 sensors, press-in tube mounting, O-ring, anti-twist device, with sealable vent hole	Appliance connector for M12 sensors, press-in tube mounting, O-ring, anti-twist device, with sealable vent hole	Appliance connector for M12 sensors (with thread), press-in tube mounting, O-ring	Appliance connector for M12 sensors (with thread), press-in tube mounting, O-ring
Description	Appliance connector for M12 sensors, press-in tube mounting, O-ring, with sealable vent hole	Appliance connector for M12 sensors, press-in tube mounting, O-ring, with sealable vent hole	Appliance connector for M12 sensors, press-in tube mounting, O-ring, anti-twist device, with sealable vent hole	Appliance connector for M12 sensors, press-in tube mounting, O-ring, anti-twist device, with sealable vent hole	Appliance connector for M12 sensors (with thread), press-in tube mounting, O-ring	Appliance connector for M12 sensors (with thread), press-in tube mounting, O-ring
Type	ELST 400 RD/12 093 Sn	ELST 400 RD/12 093 Au	ELST 400 RD/12 V Sn	ELST 400 RD/12 V Au	ELST 412 Sn grau/grey	ELST 412 Au grau/grey
Order No.	932 559-406	932 559-306	933 442-406	933 442-306	931 902-206	931 902-106
Other standard types	gold-plated contacts, order no. 932 559-306	tinned contacts, order no. 932 559-406	gold-plated contacts, order no. 933 442-306	tinned contacts, order no. 933 442-406	gold-plated contacts, order no. 931 902-106	tinned contacts, order no. 931 902-206
Type of contact	male	male	male	male	male	male
Number of contacts	4	4	4	4	4	4
Conductor size	max. 0.5 mm <sup>2</sup>	max. 0.5 mm <sup>2</sup>	max. 0.5 mm <sup>2</sup>	max. 0.5 mm <sup>2</sup>	max. 0.5 mm <sup>2</sup>	max. 0.5 mm <sup>2</sup>
Standard	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2
Housing Color	grey	grey	grey	grey	grey	grey
Drawing						
Technical data						
Pin dimensions	1 mm	1 mm	1 mm	1 mm	1 mm	1 mm
Rated voltage	150 V AC/DC	150 V AC/DC	150 V AC/DC	150 V AC/DC	150 V AC/DC	150 V AC/DC
Rated current	4 A	4 A	4 A	4 A	4 A	4 A
Type of termination	solder	solder	solder	solder	solder	solder
Material						
Contact material	Cu Zn	Cu Zn	Cu Zn	Cu Zn	Cu Zn	Cu Zn
Contact surface material	Sn	Au	Sn	Au	Sn	Au
Contact bearer material	PA	PA	PA	PA	PA	PA
Housing material	PA	PA	PA	PA	PA	PA
O-Ring	NBR	NBR	NBR	NBR	NBR	NBR
Environmental conditions						
Protection class (IEC 60529)	IP 68	IP 68	IP 68	IP 68	IP 68	IP 68
Pollution severity	3	3	3	3	3	3
Temperature range	-25 °C to +90 °C	-25 °C to +90 °C	-25 °C to +90 °C	-25 °C to +90 °C	-25 °C to +90 °C	-25 °C to +90 °C
Inflammability class						
Contact bearer	94 V-2	94 V-2	94 V-2	94 V-2	94 V-2	94 V-2
Approvals						
UL	UL	UL	UL	UL	UL	UL
Packaging unit						
Packaging unit	100 pieces	100 pieces	100 pieces	100 pieces	100 pieces	100 pieces



# CIRCULAR CONNECTORS E-SERIES M12/FIXCON®

Appliance connector for press-in fit/sensor tube



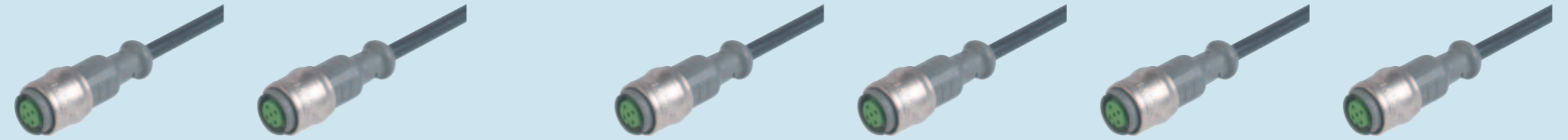
WITH SCREW LOCKING

Product description	Appliance connector for M12 sensors (with thread), press-in tube mounting, O-ring, with LED	Appliance connector for M12 sensors (with thread), press-in tube mounting, O-ring, with LED	Appliance connector for M12 sensors (with thread), press-in tube mounting, O-ring, with LED	Appliance connector for M12 sensors (with thread), press-in tube mounting, O-ring, with LED
Description	Appliance connector for M12 sensors (with thread), press-in tube mounting, O-ring, with LED	Appliance connector for M12 sensors (with thread), press-in tube mounting, O-ring, with LED	Appliance connector for M12 sensors (with thread), press-in tube mounting, O-ring, with LED	Appliance connector for M12 sensors (with thread), press-in tube mounting, O-ring, with LED
Type	<b>ELST 412 LED Sn rot/red</b>	<b>ELST 412 LED Au rot/red</b>	<b>ELST 412 LED YE Sn gelb/yellow</b>	<b>ELST 412 LED YE Au gelb/yellow</b>
Order No.	932 256-212	932 256-112	933 363 212	933 363-112
Other standard types	LED red: gold-plated contacts, order no. 932 256-112; LED yellow: gold-plated contacts, order no. 933 363-112; tinned contacts, order no. 933 363-212	LED red: tinned contacts, order no. 932 256-212; LED yellow: gold-plated contacts, order no. 933 363-112; tinned contacts, order no. 933 363-212	LED yellow: gold-plated contacts, order no. 933 363-112; LED red: gold-plated contacts, order no. 932 256-112; tinned contacts, order no. 932 256-212	LED yellow: tinned contacts, order no. 933 363-212; LED red: gold-plated contacts, order no. 932 256-112; tinned contacts, order no. 932 256-212
Type of contact	male	male	male	male
Number of contacts	4	4	4	4
Conductor size	max. 0.5 mm <sup>2</sup>	max. 0.5 mm <sup>2</sup>	max. 0.5 mm <sup>2</sup>	max. 0.5 mm <sup>2</sup>
Standard	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2
Housing Color	transparent	transparent	transparent	transparent
Drawing				
<b>Technical data</b>				
Pin dimensions	1 mm	1 mm	1 mm	1 mm
Rated voltage	50 V AC/DC	50 V AC/DC	50 V AC/DC	50 V AC/DC
Rated current	4 A (LED max. 10 mA)	4 A (LED max. 10 mA)	4 A (LED max. 10 mA)	4 A (LED max. 10 mA)
Type of termination	solder	solder	solder	solder
<b>Material</b>				
Contact material	Cu Zn	Cu Zn	Cu Zn	Cu Zn
Contact surface material	Sn	Au	Sn	Au
Contact bearer material	PA	PA	PA	PA
Housing material	PA	PA	PA	PA
O-Ring	NBR	NBR	NBR	NBR
<b>Environmental conditions</b>				
Protection class (IEC 60529)	IP 68	IP 68	IP 68	IP 68
Pollution severity	3	3	3	3
Temperature range	-25 °C to +90 °C	-25 °C to +90 °C	-25 °C to +90 °C	-25 °C to +90 °C
<b>Inflammability class</b>				
Contact bearer	94 V-2	94 V-2	94 V-2	94 V-2
<b>Approvals</b>				
UL	UL	UL	UL	UL
<b>Packaging unit</b>				
Packaging unit	100 pieces	100 pieces	100 pieces	100 pieces

# CIRCULAR CONNECTORS E-SERIES M12/FIXCON®



Cable socket with integrally molded lead



WITH FIXCON - FAST-LOCK

Product description	EF123FIX PVC3x034L0200	EF123FIX PUR3x034L0200	EF124FIX PVC4x034L0200	EF124FIX PUR4x034L0200	EF125FIX PVC5x034L0200	EF125FIX PUR5x034L0200
Description	Straight cable socket, with integrally molded lead, FIXCON snap locking		Straight cable socket, with integrally molded lead, FIXCON snap locking		Straight cable socket, with integrally molded lead, FIXCON snap locking	
Type	EF123FIX PVC3x034L0200	EF123FIX PUR3x034L0200	EF124FIX PVC4x034L0200	EF124FIX PUR4x034L0200	EF125FIX PVC5x034L0200	EF125FIX PUR5x034L0200
Order No.	934 435-100	934 435-200	934 435-110	934 435-210	934 435-120	934 435-220
Type of contact	female	female	female	female	female	female
Number of contacts	3	3	4	4	5	5
Cable material	PVC	PUR	PVC	PUR	PVC	PUR
Cable color	black	black	black	black	black	black
Cable length	2 m	2 m	2 m	2 m	2 m	2 m
Conductor size	0.34 mm <sup>2</sup>	0.34 mm <sup>2</sup>	0.34 mm <sup>2</sup>	0.34 mm <sup>2</sup>	0.34 mm <sup>2</sup>	0.34 mm <sup>2</sup>
Cable specification	high flexible lead	high flexible lead	high flexible lead	high flexible lead	high flexible lead	high flexible lead
Cable type						
Housing Color	grey	grey	grey	grey	grey	grey
Drawing						
Technical data						
Wire stranding	42 x 0.1	42 x 0.1	42 x 0.1	42 x 0.1	42 x 0.1	42 x 0.1
Rated voltage	250 V AC/DC	250 V AC/DC	250 V AC/DC	250 V AC/DC	50 V AC/DC	50 V AC/DC
Rated current	4 A	4 A	4 A	4 A	4 A	4 A
Material						
Contact material	Cu Sn 6	Cu Sn 6	Cu Sn 6	Cu Sn 6	Cu Sn 6	Cu Sn 6
Contact surface material	Au	Au	Au	Au	Au	Au
Contact bearer material	PA	PA	PA	PA	PA	PA
Housing material	TPU	TPU	TPU	TPU	TPU	TPU
Coupling nut material	Zn Al/Ni	Zn Al/Ni	Zn Al/Ni	Zn Al/Ni	Zn Al/Ni	Zn Al/Ni
Environmental conditions						
Protection class (IEC 60529)	IP 67	IP 67	IP 67	IP 67	IP 67	IP 67
Pollution severity	3/2	3/2	3/2	3/2	3/2	3/2
Temperature range	-25 °C to +90 °C	-25 °C to +90 °C	-25 °C to +90 °C	-25 °C to +90 °C	-25 °C to +90 °C	-25 °C to +90 °C
Inflammability class						
Housing	94 HB	94 HB	94 HB	94 HB	94 HB	94 HB
Cable	fire resist. VDE 0472 part 804	fire resist. VDE 0472 part 804	fire resist. VDE 0472 part 804	fire resist. VDE 0472 part 804	fire resist. VDE 0472 part 804	fire resist. VDE 0472 part 804
Contact bearer	94 HB	94 HB	94 HB	94 HB	94 HB	94 HB
Packaging unit						
Packaging unit	50 pieces	50 pieces	50 pieces	50 pieces	50 pieces	50 pieces

# CIRCULAR CONNECTORS E-SERIES M12/FIXCON®



Cable socket with integrally molded lead



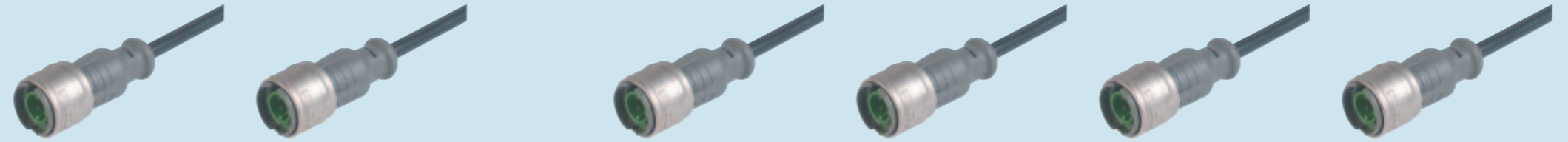
WITH FIXCON - FAST-LOCK

Product description		Angled cable socket, with integrally molded lead, FIXCON snap locking		Angled cable socket, with integrally molded lead, FIXCON snap locking		Angled cable socket, with integrally molded lead, FIXCON snap locking		Angled cable socket, with integrally molded lead, FIXCON snap locking		Angled cable socket, with integrally molded lead, FIXCON snap locking		Angled cable socket, with integrally molded lead, FIXCON snap locking	
Type		<b>EWF123FIX PVC3x034L0200</b>		<b>EWF123FIX PUR3x034L0200</b>		<b>EWF124FIX PVC4x034L0200</b>		<b>EWF124FIX PUR4x034L0200</b>		<b>EWF125FIX PVC5x034L0200</b>		<b>EWF125FIX PUR5x034L0200</b>	
Description		Angled cable socket, with integrally molded lead, FIXCON snap locking		Angled cable socket, with integrally molded lead, FIXCON snap locking		Angled cable socket, with integrally molded lead, FIXCON snap locking		Angled cable socket, with integrally molded lead, FIXCON snap locking		Angled cable socket, with integrally molded lead, FIXCON snap locking		Angled cable socket, with integrally molded lead, FIXCON snap locking	
Order No.		934 436-100		934 436-200		934 436-110		934 436-210		934 436-120		934 436-220	
Type of contact		female		female		female		female		female		female	
Number of contacts		3		3		4		4		5		5	
Cable material		PVC		PUR		PVC		PUR		PVC		PUR	
Cable color		black		black		black		black		black		black	
Cable length		2 m		2 m		2 m		2 m		2 m		2 m	
Conductor size		0.34 mm <sup>2</sup>		0.34 mm <sup>2</sup>		0.34 mm <sup>2</sup>		0.34 mm <sup>2</sup>		0.34 mm <sup>2</sup>		0.34 mm <sup>2</sup>	
Cable specification		high flexible lead		high flexible lead		high flexible lead		high flexible lead		high flexible lead		high flexible lead	
Cable type													
Housing Color		grey		grey		grey		grey		grey		grey	
Drawing													
Technical data													
Wire stranding		42 x 0.1		42 x 0.1		42 x 0.1		42 x 0.1		42 x 0.1		42 x 0.1	
Rated voltage		250 V AC/DC		250 V AC/DC		250 V AC/DC		250 V AC/DC		30 V AC/DC		30 V AC/DC	
Rated current		4 A		4 A		4 A		4 A		4 A		4 A	
Material													
Contact material		Cu Zn		Cu Zn		Cu Zn		Cu Zn		Cu Zn		Cu Zn	
Contact surface material		Au		Au		Au		Au		Au		Au	
Contact bearer material		PUR		PUR		PUR		PUR		PUR		PUR	
Housing material		PUR		PUR		PUR		PUR		PUR		PUR	
Coupling nut material		Zn Al/Ni		Zn Al/Ni		Zn Al/Ni		Zn Al/Ni		Zn Al/Ni		Zn Al/Ni	
Environmental conditions													
Protection class (IEC 60529)		IP 67		IP 67		IP 67		IP 67		IP 67		IP 67	
Pollution severity		3/2		3/2		3/2		3/2		3/2		3/2	
Temperature range		-25 °C to +90 °C		-25 °C to +90 °C		-25 °C to +90 °C		-25 °C to +90 °C		-25 °C to +90 °C		-25 °C to +90 °C	
Inflammability class													
Housing		94 HB		94 HB		94 HB		94 HB		94 HB		94 HB	
Cable		fire resist. VDE 0472 part 804		fire resist. VDE 0472 part 804		fire resist. VDE 0472 part 804		fire resist. VDE 0472 part 804		fire resist. VDE 0472 part 804		fire resist. VDE 0472 part 804	
Contact bearer		94 HB		94 HB		94 HB		94 HB		94 HB		94 HB	
Packaging unit													
Packaging unit		50 pieces		50 pieces		50 pieces		50 pieces		50 pieces		50 pieces	

# CIRCULAR CONNECTORS E-SERIES M12/FIXCON®



Cable plug with integrally molded lead



WITH FIXCON - FAST-LOCK

Product description								
Description	Straight cable plug, with integrally molded lead, FIXCON snap locking		Straight cable plug, with integrally molded lead, FIXCON snap locking		Straight cable plug, with integrally molded lead, FIXCON snap locking		Straight cable plug, with integrally molded lead, FIXCON snap locking	
Type	<b>EM123FIX PVC3x034L0200</b>		<b>EM123FIX PUR3x034L0200</b>		<b>EM124FIX PVC4x034L0200</b>		<b>EM124FIX PUR4x034L0200</b>	
Order No.	934 437-100		934 437-200		934 437-110		934 437-120	
Type of contact	male		male		male		male	
Number of contacts	3		3		4		5	
Cable material	PVC		PUR		PVC		PUR	
Cable color	black		black		black		black	
Cable length	2 m		2 m		2 m		2 m	
Conductor size	0.34 mm <sup>2</sup>		0.34 mm <sup>2</sup>		0.34 mm <sup>2</sup>		0.34 mm <sup>2</sup>	
Cable specification	high flexible lead		high flexible lead		high flexible lead		high flexible lead	
Cable type								
Housing Color	grey		grey		grey		grey	
Drawing								
Technical data								
Pin dimensions	1 mm		1 mm		1 mm		1 mm	
Wire stranding	42 x 0.1		42 x 0.1		42 x 0.1		42 x 0.1	
Rated voltage	250 V AC/DC		250 V AC/DC		250 V AC/DC		30 V AC/DC	
Rated current	4 A		4 A		4 A		4 A	
Material								
Contact material	Cu Sn 6		Cu Sn 6		Cu Sn 6		Cu Sn 6	
Contact surface material	Au		Au		Au		Au	
Contact bearer material	PA		PA		PA		PA	
Housing material	TPU		TPU		TPU		TPU	
Coupling nut material	Zn Al/Ni		Zn Al/Ni		Zn Al/Ni		Zn Al/Ni	
Environmental conditions								
Protection class (IEC 60529)	IP 67		IP 67		IP 67		IP 67	
Pollution severity	3/2		3/2		3/2		3/2	
Temperature range	-25 °C to +90 °C		-25 °C to +90 °C		-25 °C to +90 °C		-25 °C to +90 °C	
Inflammability class								
Housing	94 HB		94 HB		94 HB		94 HB	
Cable	fire resist. VDE 0472 part 804		fire resist. VDE 0472 part 804		fire resist. VDE 0472 part 804		fire resist. VDE 0472 part 804	
Contact bearer	94 HB		94 HB		94 HB		94 HB	
Packaging unit								
Packaging unit	50 pieces		50 pieces		50 pieces		50 pieces	



# CIRCULAR CONNECTORS E-SERIES M12/FIXCON®

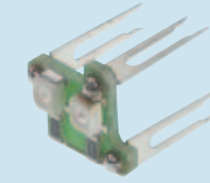
Appliance connector



WITH FIXCON - FAST-LOCK

Product description		
Description	Splitter with FIXCON snap locking	
Type	ASC 2FIX4P - M12	
Order No.	934 462-100	
Other standard types	with LED display: order no. 934 462-112	
Type of contact	male	
Number of contacts	5	
Cable gland		
Cable diameter		
Conductor size		
Standard	IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	
Housing Color	black	
Drawing		
Technical data		
Pin dimensions	1 mm	
Rated voltage	50 V AC/DC	
Rated current	4 A	
Material		
Contact material	Cu Sn 6	
Contact surface material	Au	
Contact bearer material	PA	
Housing material	TPU polyether 95A	
Coupling nut material	Zn Al/Ni	
O-Ring	Vititon	
Environmental conditions		
Protection class (IEC 60529)	IP 67	
Pollution severity	3	
Temperature range	-25 °C to +90 °C	
Inflammability class		
Housing	94 HB	
Cable	fire resist. VDE 0472 part 804	
Contact bearer	94 HB	
Approvals		
UL		
Packaging unit		
Packaging unit	10 pieces	
Scope of delivery and accessories		
Accessories to order separately		

Accessories E-series M12



CIRCULAR CONNECTORS E-SERIES M12/FIXCON

Product description		
Description	LED insert (ca. 10 mA), suitable for contact assignment, in accordance with IEC 61076-2-101 (Ed. 1)/ IEC 60947-5-2	Fastening nut with M 16 thread
Type	E 2 LED PNP	ELST M M16
Order No.	933 405-001	735 413-002
Type of contact		
Number of contacts		
Cable gland		
Cable diameter		
Conductor size		
Standard		
Housing Color		silver
Drawing		
Technical data		
Pin dimensions		
Rated voltage	10 V to 30 V DC	
Rated current		
Contact resistance		
Type of termination	Steckkontakt	
Suitable cables		
Material		
Contact surface material		
Contact bearer material		
Housing material		
Environmental conditions		
Protection class (IEC 60529)		
Temperature range	-25 °C to +90 °C	
Packaging unit		
Packaging unit	100 pieces	100 pieces
Scope of delivery and accessories		
Accessories to order separately	accessory for ELKA 4012 PG7 transparent/topas, order no. 933 210-199; ELWIKA 4012 PG7 transparent/ topas, order no. 933 173-199	accessory for M12 appliance socket/connector

# CIRCULAR CONNECTORS E-SERIES M12/FIXCON®

Accessories E-series M12



CIRCULAR CONNECTORS E-SERIES M12/FIXCON

Product description		
Description	Fastening nut with PG 9 thread	Protective cap for M12 mounting sockets and cable sockets
Type	<b>ELST M PG9</b>	<b>M12 VS</b>
Order No.	733 877-001	734 209-100
Type of contact		
Number of contacts		
Cable gland		
Cable diameter		
Conductor size		
Standard		
Housing Color	silver	black
Drawing		
Technical data		
Pin dimensions		
Rated voltage		
Rated current		
Contact resistance		
Type of termination		
Suitable cables		
Material		
Contact surface material		
Contact bearer material		
Housing material		
Environmental conditions		
Protection class (IEC 60529)		
Temperature range		
Packaging unit		
Packaging unit	100 pieces	100 pieces
Scope of delivery and accessories		
Scope of delivery		
Accessories to order separately	accessory for M12 appliance socket/connector	accessory for M12 appliance socket/connector