

A-M

RING TERMINAL, FOR COPPER CONDUCTORS



CERTIFICATIONS & APPROVALS



UL (cULus)

Features

TECHNICAL INFORMATION

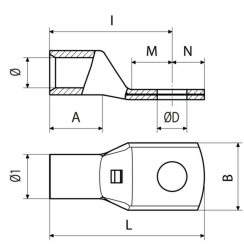
Minimum operating temperature	-50°C
Maximum operating temperature	150°C
Spy hole	Yes
Number of holes on the palm	1
Easy insertion input	Yes
Surface treatment	tin plating

MATERIAL COMPOSITION AND TREATMENTS

Conductor body material	Rame elettrolitico con purezza superiore al 99,95%
Annealing	Yes

CLASSIFICATION AND DATA ORDERING

Customs code	85369010
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A03-M		Range of cable cross section (flexible) [mm ²] 0.25						Range of cable cross section (low stranded) [mm ²] 0.25										
tipo	Crimping geometry	Screw diameter	ØD [mm]	B [mm]	N [mm]	M [mm]	I [mm]	Tightening torque (high conductivity screw) [nm]	Tightening torque (8.8 grade screw) [nm]	L [mm]	A [mm]	Ø [mm]	Cable stripping length [mm]	Ø1 [mm]	Unit in minimal packaging [pce]	Unit in standard packaging [pce]	ROHS compliant	
A03-M3	hexagonal; indent	M3	3.2	6	3.5	4.5	12.5	0.5	0.5	16	6	1.8	7	3.3	100	5000	Yes	
A03-M3.5	hexagonal; indent	M3.5	3.7	6.5	3.5	4.5	12.5			16	6	1.8	7	3.3	100	5000	Yes	
A03-M4	hexagonal; indent	M4	4.3	6.5	4	5	13			17	6	1.8	7	3.3	100	5000	Yes	
A03-M5	hexagonal; indent	M5	5.3	7.5	4.5	5.5	13.5			18	6	1.8	7	3.3	100	5000	Yes	
A03-M6	hexagonal; indent	M6	6.4	9	5	6	14	5	7	19	6	1.8	7	3.3	100	5000	Yes	

A06-M		Range of cable cross section (flexible) [mm ²] 1.5						Range of cable cross section (low stranded) [mm ²] 1.5										
tipo	Crimping geometry	Screw diameter	ØD [mm]	B [mm]	N [mm]	M [mm]	I [mm]	Tightening torque (high conductivity screw) [nm]	Tightening torque (8.8 grade screw) [nm]	L [mm]	A [mm]	Ø [mm]	Cable stripping length [mm]	Ø1 [mm]	Unit in minimal packaging [pce]	Unit in standard packaging [pce]	ROHS compliant	
A06-M3	hexagonal; indent	M3	3.2	6	3.5	4.5	13.5	0.5	0.5	17	6	2.4	7	4	100	4000	Yes	
A06-M3.5	hexagonal; indent	M3.5	3.7	6.5	3.5	4.5	13.5			17	6	2.4	7	4	100	4000	Yes	
A06-M4	hexagonal; indent	M4	4.3	7.5	4	5	14			18	6	2.4	7	4	100	4000	Yes	
A06-M5	hexagonal; indent	M5	5.3	8.5	4.5	5.5	14.5			19	6	2.4	7	4	100	4000	Yes	
A06-M6	hexagonal; indent	M6	6.4	9	5	6	15	5	7	20	6	2.4	7	4	100	4000	Yes	
A06-M8	hexagonal; indent	M8	8.4	12	8	9	18	10	20	26	6	2.4	7	4	100	2500	Yes	

A1-M		Range of cable cross section (flexible) [mm ²] 4						Range of cable cross section (low stranded) [mm ²] 4										
tipo	Crimping geometry	Screw diameter	ØD [mm]	B [mm]	N [mm]	M [mm]	I [mm]	Tightening torque (high conductivity screw) [nm]	Tightening torque (8.8 grade screw) [nm]	L [mm]	A [mm]	Ø [mm]	Cable stripping length [mm]	Ø1 [mm]	Unit in minimal packaging [pce]	Unit in standard packaging [pce]	ROHS compliant	Reference standard
A1-M3	hexagonal; indent	M3	3.2	7.5	3.5	4.5	17	0.5	0.5	20.5	8	3.6	9	5.25	100	2000	Yes	
A1-M3.5	hexagonal; indent	M3.5	3.7	7.5	3.5	4.5	17			20.5	8	3.6	9	5.25	100	2000	Yes	
A1-M4	hexagonal; indent	M4	4.3	8	4	5	17.5			21.5	8	3.6	9	5.25	100	2000	Yes	
A1-M5	hexagonal; indent	M5	5.3	9	6	6.5	19			25	8	3.6	9	5.25	100	2000	Yes	UL 486A-486B
A1-M6	hexagonal; indent	M6	6.4	11	6	7	19.5	5	7	25.5	8	3.6	9	5.25	100	1500	Yes	
A1-M8	hexagonal; indent	M8	8.4	14	8	9	21.5	10	20	29.5	8	3.6	9	5.25	100	1500	Yes	UL 486A-486B

tipo	Crimping geometry	Screw diameter	ØD [mm]	B [mm]	N [mm]	M [mm]	I [mm]	Tightening torque (high conductivity screw) [nm]	Tightening torque (8.8 grade screw) [nm]	L [mm]	A [mm]	Ø [mm]	Cable stripping length [mm]	Ø1 [mm]	Unit in minimal packaging [pce]	Unit in standard packaging [pce]	ROHS compliant	Reference standard	Standard	
A1-M10	hexagonal; indent	M10	10.5	16.5	10	11	23.5	20	35	33.5	8	3.6	9	5.25	100	1000	Yes			
A2-M10	Range of cable cross section (flexible) [mm²] 10							Range of cable cross section (low stranded) [mm²] 10												
tipo	Crimping geometry	Screw diameter	ØD [mm]	B [mm]	N [mm]	M [mm]	I [mm]	Tightening torque (high conductivity screw) [nm]	Tightening torque (8.8 grade screw) [nm]	L [mm]	A [mm]	Ø [mm]	Cable stripping length [mm]	Ø1 [mm]	Unit in minimal packaging [pce]	Unit in standard packaging [pce]	ROHS compliant	Reference standard	Standard	
A2-M4	hexagonal; indent	M4	4.3	10	4	5	18.5			22.5	8	4.6	9	6.8	100	1500	Yes			
A2-M5	hexagonal; indent	M5	5.3	10	6	6.5	20			26	8	4.6	9	6.8	100	1000	Yes			
A2-M6	hexagonal; indent	M6	6.4	11	6	7	20.5	5	7	26.5	8	4.6	9	6.8	100	1000	Yes			
A2-M8	hexagonal; indent	M8	8.4	15	8	9	22.5	10	20	30.5	8	4.6	9	6.8	100	1000	Yes			
A2-M10	hexagonal; indent	M10	10.5	18	10	11	24.5	20	35	34.5	8	4.6	9	6.8	100	500	Yes			
A2-M12	hexagonal; indent	M12	13.2	19	12	14	27.5	40	50	39.5	8	4.6	9	6.8	100	500	Yes			
A3-M16	Range of cable cross section (flexible) [mm²] 16							Range of cable cross section (low stranded) [mm²] 16												
tipo	Crimping geometry	Screw diameter	ØD [mm]	B [mm]	N [mm]	M [mm]	I [mm]	Tightening torque (high conductivity screw) [nm]	Tightening torque (8.8 grade screw) [nm]	L [mm]	A [mm]	Ø [mm]	Cable stripping length [mm]	Ø1 [mm]	Unit in minimal packaging [pce]	Unit in standard packaging [pce]	ROHS compliant	Reference standard	Standard	
A3-M4	hexagonal; indent	M4	4.3	11.5	4	5	21.5			25.5	11.5	5.8	13	7.9	100	1000	Yes			
A3-M5	hexagonal; indent	M5	5.3	11.5	6	6.5	23			29	11.5	5.8	13	7.9	100	1000	Yes			
A3-M6	hexagonal; indent	M6	6.4	11.5	6	7	23.5	5	7	29.5	11.5	5.8	13	7.9	100	1000	Yes			
A3-M8	hexagonal; indent	M8	8.4	15	8	9	25.5	10	20	33.5	11.5	5.8	13	7.9	100	500	Yes			
A3-M10	hexagonal; indent	M10	10.5	18	10	11	27.5	20	35	37.5	11.5	5.8	13	7.9	100	500	Yes			
A3-M12	hexagonal; indent	M12	13.2	20	12	14	32	40	50	44	11.5	5.8	13	7.9	100	500	Yes			
A5-M25	Range of cable cross section (flexible) [mm²] 25							Range of cable cross section (low stranded) [mm²] 25												
tipo	Crimping geometry	Screw diameter	ØD [mm]	B [mm]	N [mm]	M [mm]	I [mm]	Tightening torque (high conductivity screw) [nm]	Tightening torque (8.8 grade screw) [nm]	L [mm]	A [mm]	Ø [mm]	Cable stripping length [mm]	Ø1 [mm]	Unit in minimal packaging [pce]	Unit in standard packaging [pce]	ROHS compliant	Reference standard	Standard	
A5-M4	hexagonal; indent	M4	4.3	14	4	5	24			28	10.5	7	12	9.3	100	500	Yes			
A5-M5	hexagonal; indent	M5	5.3	14	6	6.5	25.5			31.5	10.5	7	12	9.3	100	500	Yes			
A5-M6	hexagonal; indent	M6	6.4	14	6	7	26	5	7	32	10.5	7	12	9.3	100	500	Yes	UL 486A-486B	UL 486A-486B	

Model	Series	Part Number	Description	Material	Finish	RoHS	Lead Time	Weight	Dimensions (mm)	Mechanical Properties		Electrical Properties		Packaging		Compliance	Reference	Notes		
										Tensile Strength (MPa)	Elongation (%)	Resistance (Ω/km)	Capacitance (pF/km)	Units per Box	Units per Tray					
A14-M	Hexagonal	A14-M10	10.5mm Ø	21mm B	10mm N	11mm M	40mm I	20nm	35nm	50mm L	18mm A	11.3mm Ø	20mm	14.6mm Ø1	50 pce	200 pce	Yes			
		A14-M12	13.2mm Ø	22mm B	12mm N	14mm M	43mm I	40nm	50nm	55mm L	18mm A	11.3mm Ø	20mm	14.6mm Ø1	50 pce	150 pce	Yes			
		A14-M14	15mm Ø	25mm B	14mm N	16mm M	45mm I	65nm	70nm	59mm L	18mm A	11.3mm Ø	20mm	14.6mm Ø1	50 pce	100 pce	Yes			
		A14-M16	17mm Ø	26mm B	16mm N	18mm M	47mm I	90nm	90nm	63mm L	18mm A	11.3mm Ø	20mm	14.6mm Ø1	50 pce	100 pce	Yes			
A19-M	Hexagonal	Range of cable cross section (flexible) [mm²]					Range of cable cross section (low stranded) [mm²]													
		70						95												
Model		Series	Part Number	Description	Material	Finish	RoHS	Lead Time	Weight	Dimensions (mm)	Mechanical Properties		Electrical Properties		Packaging		Compliance	Reference	Notes	
tipo		Crimping geometry	Screw diameter	ØD [mm]	B [mm]	N [mm]	M [mm]	I [mm]	Tightening torque (high conductivity screw) [nm]	Tightening torque (8.8 grade screw) [nm]	L [mm]	A [mm]	Ø [mm]	Cable stripping length [mm]	Ø1 [mm]	Unit in minimal packaging [pce]	Unit in standard packaging [pce]	ROHS compliant	Reference standard	Notes
A19-M6		hexagonal; indent	M6	6.4	25	7	8	43.5	5	7	50.5	22.5	13.5	25	17.5	25	100	Yes		
A19-M8		hexagonal; indent	M8	8.4	25	8	9	44.5	10	20	52.5	22.5	13.5	25	17.5	25	100	Yes		
A19-M10		hexagonal; indent	M10	10.5	25	10	11	46.5	20	35	56.5	22.5	13.5	25	17.5	25	100	Yes	UL 486A-486B	U
A19-M12	hexagonal; indent	M12	13.2	25	12	14	49.5	40	50	61.5	22.5	13.5	25	17.5	25	100	Yes			
A19-M14	hexagonal; indent	M14	15	25	14	16	51.5	65	70	65.5	22.5	13.5	25	17.5	25	100	Yes			
A19-M16	hexagonal; indent	M16	17	27	16	18	53.5	90	90	69.5	22.5	13.5	25	17.5	25	50	Yes			
A19-M20	hexagonal; indent	M20	21	29.5	20	22	57.5		150	77.5	22.5	13.5	25	17.5	25	50	Yes			
A24-M	Hexagonal	Range of cable cross section (flexible) [mm²]					Range of cable cross section (low stranded) [mm²]													
		95						120												
Model		Series	Part Number	Description	Material	Finish	RoHS	Lead Time	Weight	Dimensions (mm)	Mechanical Properties		Electrical Properties		Packaging		Compliance	Reference	Notes	
tipo		Crimping geometry	Screw diameter	ØD [mm]	B [mm]	N [mm]	M [mm]	I [mm]	Tightening torque (high conductivity screw) [nm]	Tightening torque (8.8 grade screw) [nm]	L [mm]	A [mm]	Ø [mm]	Cable stripping length [mm]	Ø1 [mm]	Unit in minimal packaging [pce]	Unit in standard packaging [pce]	ROHS compliant	Reference standard	Notes
A24-M8		hexagonal; indent	M8	8.4	28.5	8	9	46	10	20	54	24	15.2	27	19.6	25	75	Yes		
A24-M10		hexagonal; indent	M10	10.5	28.5	10	11	48	20	35	58	24	15.2	27	19.6	25	75	Yes		
A24-M12	hexagonal; indent	M12	13.2	28.5	12	14	51	40	50	63	24	15.2	27	19.6	25	75	Yes	UL 486A-486B	U	
A24-M14	hexagonal; indent	M14	15	28.5	14	16	53	65	70	67	24	15.2	27	19.6	25	50	Yes			
A24-M16	hexagonal; indent	M16	17	28.5	16	18	55	90	90	71	24	15.2	27	19.6	25	50	Yes			
A24-M20	hexagonal; indent	M20	21	30	20	22	59		150	79	24	15.2	27	19.6	25	50	Yes			
A30-M	Hexagonal	Range of cable cross section (flexible) [mm²]					Range of cable cross section (low stranded) [mm²]													
		120						150												

tipo	Crimping geometry	Screw diameter	ØD [mm]	B [mm]	N [mm]	M [mm]	I [mm]	Tightening torque (high conductivity screw) [nm]	Tightening torque (8.8 grade screw) [nm]	L [mm]	A [mm]	Ø [mm]	Cable stripping length [mm]	Ø1 [mm]	Unit in minimal packaging [pce]	Unit in standard packaging [pce]	ROHS compliant	Reference standard	Standard
A30-M8	hexagonal; indent	M8	8.4	31.5	11	13	58	10	20	69	26.5	16.7	30	21.5	25	50	Yes		
A30-M10	hexagonal; indent	M10	10.5	31.5	11	13	58	20	35	69	26.5	16.7	30	21.5	25	50	Yes		
A30-M12	hexagonal; indent	M12	13.2	31.5	14	16	61	40	50	75	26.5	16.7	30	21.5	25	50	Yes	UL 486A-486B	UL
A30-M14	hexagonal; indent	M14	15	31.5	16	18	63	65	70	79	26.5	16.7	30	21.5	25	50	Yes		
A30-M16	hexagonal; indent	M16	17	31.5	17	19	64	90	90	81	26.5	16.7	30	21.5	25	50	Yes		
A30-M20	hexagonal; indent	M20	21	31.5	20	22	67		150	87	26.5	16.7	30	21.5	25	50	Yes		

A37-M

Range of cable cross section (flexible) [mm²]
150

Range of cable cross section (low stranded) [mm²]
150

tipo	Crimping geometry	Screw diameter	ØD [mm]	B [mm]	N [mm]	M [mm]	I [mm]	Tightening torque (high conductivity screw) [nm]	Tightening torque (8.8 grade screw) [nm]	L [mm]	A [mm]	Ø [mm]	Cable stripping length [mm]	Ø1 [mm]	Unit in minimal packaging [pce]	Unit in standard packaging [pce]	ROHS compliant
A37-M8	hexagonal; indent	M8	8.4	35.5	11	13	65	10	20	76	29	19.2	32	24.4	15	30	Yes
A37-M10	hexagonal; indent	M10	10.5	35.5	11	13	65	20	35	76	29	19.2	32	24.4	15	30	Yes
A37-M12	hexagonal; indent	M12	13.2	35.5	14	16	68	40	50	82	29	19.2	32	24.4	15	30	Yes
A37-M14	hexagonal; indent	M14	15	35.5	16	18	70	65	70	86	29	19.2	32	24.4	15	30	Yes
A37-M16	hexagonal; indent	M16	17	35.5	17	19	71	90	90	88	29	19.2	32	24.4	15	30	Yes
A37-M20	hexagonal; indent	M20	21	35.5	20	22	74		150	94	29	19.2	32	24.4	15	30	Yes

A48-M

Range of cable cross section (flexible) [mm²]
185

Range of cable cross section (low stranded) [mm²]
240

tipo	Crimping geometry	Screw diameter	ØD [mm]	B [mm]	N [mm]	M [mm]	I [mm]	Tightening torque (high conductivity screw) [nm]	Tightening torque (8.8 grade screw) [nm]	L [mm]	A [mm]	Ø [mm]	Cable stripping length [mm]	Ø1 [mm]	Unit in minimal packaging [pce]	Unit in standard packaging [pce]	ROHS compliant
A48-M8	hexagonal; indent	M8	8.4	39	11	13	66.5	10	20	77.5	36	21.1	40	27.2	10	20	Yes
A48-M10	hexagonal; indent	M10	10.5	39	11	13	66.5	20	35	77.5	36	21.1	40	27.2	10	20	Yes
A48-M12	hexagonal; indent	M12	13.2	39	12	14	67.5	40	50	79.5	36	21.1	40	27.2	10	20	Yes
A48-M14	hexagonal; indent	M14	15	39	16	18	76	65	70	92	33	21.1	37	27.2	10	20	Yes
A48-M16	hexagonal; indent	M16	17	39	17	19	77	90	90	94	33	21.1	37	27.2	10	20	Yes
A48-M20	hexagonal; indent	M20	21	39	20	22	80		150	100	33	21.1	37	27.2	10	20	Yes

A60-M

Range of cable cross section (flexible) [mm²]
240

Range of cable cross section (low stranded) [mm²]
300

tipo	Crimping geometry	Screw diameter	ØD [mm]	B [mm]	N [mm]	M [mm]	I [mm]	Tightening torque (high conductivity screw) [nm]	Tightening torque (8.8 grade screw) [nm]	L [mm]	A [mm]	Ø [mm]	Cable stripping length [mm]	Ø1 [mm]	Unit in minimal packaging [pce]	Unit in standard packaging [pce]	ROHS compliant
A60-M10	hexagonal; indent	M10	10.5	44	11	20	85	20	35	96	40	23.7	44	30.6	10	20	Yes
A60-M12	hexagonal; indent	M12	13.2	44	14	20	85	40	50	99	40	23.7	44	30.6	10	20	Yes
A60-M14	hexagonal; indent	M14	15	44	16	22	87	65	70	103	40	23.7	44	30.6	10	20	Yes
A60-M16	hexagonal; indent	M16	17	44	19	22	87	90	90	106	40	23.7	44	30.6	10	20	Yes
A60-M20	hexagonal; indent	M20	21	44	23	24	89		150	112	40	23.7	44	30.6	10	20	Yes

A80-M Range of cable cross section (flexible) [mm²] **300** Range of cable cross section (low stranded) [mm²] **400**

tipo	Crimping geometry	Screw diameter	ØD [mm]	B [mm]	N [mm]	M [mm]	I [mm]	Tightening torque (high conductivity screw) [nm]	Tightening torque (8.8 grade screw) [nm]	L [mm]	A [mm]	Ø [mm]	Cable stripping length [mm]	Ø1 [mm]	Unit in minimal packaging [pce]	Unit in standard packaging [pce]	ROHS compliant
A80-M12	hexagonal; indent	M12	13.2	51	19	22	94	40	50	113	42	27	47	35	5	15	Yes
A80-M14	hexagonal; indent	M14	15	51	19	22	94	65	70	113	42	27	47	35	5	15	Yes
A80-M16	hexagonal; indent	M16	17	51	19	22	94	90	90	113	42	27	47	35	5	15	Yes
A80-M20	hexagonal; indent	M20	21	51	23	24	96		150	119	42	27	47	35	5	15	Yes

A100-M Range of cable cross section (flexible) [mm²] **400** Range of cable cross section (low stranded) [mm²] **500**

tipo	Crimping geometry	Screw diameter	ØD [mm]	B [mm]	N [mm]	M [mm]	I [mm]	Tightening torque (high conductivity screw) [nm]	Tightening torque (8.8 grade screw) [nm]	L [mm]	A [mm]	Ø [mm]	Cable stripping length [mm]	Ø1 [mm]	Unit in minimal packaging [pce]	Unit in standard packaging [pce]	ROHS compliant
A100-M16	hexagonal; indent	M16	17	56.5	19	22	98	90	90	117	43.5	30.3	48	39.5	1	10	Yes
A100-M20	hexagonal; indent	M20	21	56.5	23	24	100		150	123	43.5	30.3	48	39.5	1	10	Yes

A120-M Range of cable cross section (flexible) [mm²] **500** Range of cable cross section (low stranded) [mm²] **630**

tipo	Crimping geometry	Screw diameter	ØD [mm]	B [mm]	N [mm]	M [mm]	I [mm]	Tightening torque (high conductivity screw) [nm]	Tightening torque (8.8 grade screw) [nm]	L [mm]	A [mm]	Ø [mm]	Cable stripping length [mm]	Ø1 [mm]	Unit in minimal packaging [pce]	Unit in standard packaging [pce]	ROHS compliant
A120-M16	hexagonal; indent	M16	17	61.6	19	22	109	90	90	128	58	33.4	64	42.6	1	9	Yes
A120-M20	hexagonal; indent	M20	21	61.6	23	24	111		150	134	58	33.4	64	42.6	1	9	Yes

A160-M Range of cable cross section (flexible) [mm²] **630** Range of cable cross section (low stranded) [mm²] **800**

tipo	Crimping geometry	Screw diameter	ØD [mm]	B [mm]	N [mm]	M [mm]	I [mm]	Tightening torque (high conductivity screw) [nm]	Tightening torque (8.8 grade screw) [nm]	L [mm]	A [mm]	Ø [mm]	Cable stripping length [mm]	Ø1 [mm]	Unit in minimal packaging [pce]	Unit in standard packaging [pce]	ROHS compliant
A160-M16	hexagonal; indent	M16	17	72	19	24	122	90	90	141	54	38	60	50	1	5	Yes
A160-M20	hexagonal; indent	M20	21	72	23	24	122		150	145	54	38	60	50	1	6	Yes

A200-M

Range of cable cross section (flexible) [mm²]
800

Range of cable cross section (low stranded) [mm²]
1000

tipo	Crimping geometry	Screw diameter	ØD [mm]	B [mm]	N [mm]	M [mm]	I [mm]	Tightening torque (high conductivity screw) [nm]	Tightening torque (8.8 grade screw) [nm]	L [mm]	A [mm]	Ø [mm]	Cable stripping length [mm]	Ø1 [mm]	Unit in minimal packaging [pce]	Unit in standard packaging [pce]	ROHS compliant
A200-M16	hexagonal; indent	M16	17	82	19	24	139	90	90	158	65	44	72	56	1	5	Yes
A200-M20	hexagonal; indent	M20	21	82	23	24	139		150	162	65	44	72	56	1	5	Yes



Via Serenissima, 9 - 25135
Brescia - ITALY