

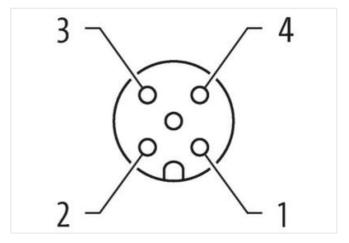
## M12 male 0° / M12 female 0°

PUR 4x0.34 bk UL/CSA+drag chain 5m

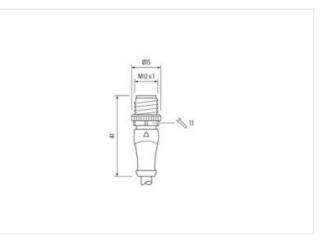
Customized printing and packaging Male straight – female straight M12 – M12, 4-pole Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## Link to Product



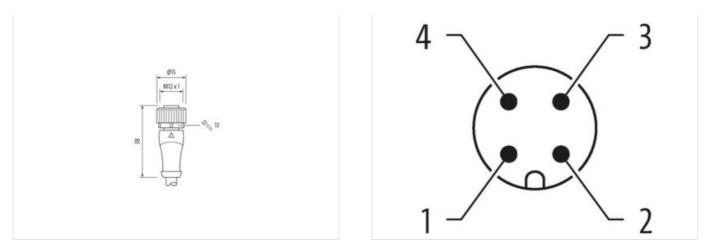






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Product may differ from Image



Cable length5 mSice 1Tightening torque0.6 NmMounting methodinserted, screwedCoaling contactoold platedFamily construction formM12TinradM12 x 1suitable for corrugated tube (internal Ø)10 mMaterial contactCopper alloyNo. of poles4Width across flatsSW13Degree of protection (EN IEC 60629)1966k, IP67Site 2Tightening torque0.6 NmMounting methodinserted, screwedCoating contactgold platedFamily construction formM12TinradM12 XTightening torque0.6 NmMounting methodinserted, screwedCoating contactgold platedFamily construction formM12 XTinradM12 XTinradM12 XConstruction formM12 XCoating contactCopper alloyNo. of poles27279218ECLASS-0.027279218ECLASS-0.027279218ECLASS-10.127060311ECLASS-10.127060311ECLASS-10.127060311ECLASS-10.127060311ECLASS-10.127060311ECLASS-10.127060311ECLASS-10.127060311ECLASS-10.127060311ETLMS.0EC001885custast flintmber8544290GTN404807980600Packajing unit10		
Tightening torque         0,6 Nm           Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M12           Thread         M12 x 1           suitable for corrugated tube (internal Ø)         10 mm           Material contact         Copper alloy           No. of poles         4           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 2            Tightening torque         0,6 Nm           Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M12 x 1           Material contact         Copper alloy           No. of poles         4           Coating contact         gold plated           Family construction form         M12 x 1           Material contact         Copper alloy           No. of poles         4           Coating contact         Z0279218           ECLASS-0.0         Z7279218           ECLASS-10.1         Z7060311           ECLASS-12.0         Z7060311           ECLASS-12.0         Z	Cable length	5 m
Couldinserted, screwedCoating contactgold platedFamily construction formM12ThreadM12 x 1suitable for corrugated tube (internal Ø)10 mmMaterial contactCopper alloyNo. of poles4Width across flatsSW13Degree of protection (EN IEC 60529)IP66, IP67Side ZTTightening torque0,6 NmMounting methodinserted, screwedCoating contactgold platedFamily construction formM12ThreadM12 x 1Material contactCopper alloyNo. of poles4Commercial dataM12 x 1Material contactCopper alloyNo. of poles4ContactCopper alloyNo. of poles4CotactCopper alloyNo. of poles4CotactCopper alloyNo. of poles4Cotact27279218ECLASS-6.027279218ECLASS-10.127060311ECLASS-10.127060311ECLASS-12.027060311ECLASS-12.027060311ETIM-5.0EC001855customs tariff number8544290GTIN4048878836630	Side 1	
Coating contact         gold plated           Family construction form         M12           Thread         M12 × 1           suitable for corrugated tube (internal Ø)         10 mm           Material contact         Copper alloy           No. of poles         4           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 2         T           Tightening torque         0,6 Nm           Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M12           Thread         M12 × 1           Material contact         Copper alloy           No. of poles         4           Coating contact         gold plated           Family construction form         M12           Thread         M12 × 1           Material contact         Copper alloy           No. of poles         4           Commercial data         Copper alloy           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-10.1         27060311           ECLASS-10.1         27060311	Tightening torque	0,6 Nm
Family construction form         M12           Thread         M12 x 1           suitable for corrugated tube (internal Ø)         10 mm           Material contact         Copper alloy           No. of poles         4           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 2            Tightening torque         0,6 Nm           Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M12           Thread         M12 x 1           Material contact         Copper alloy           No. of poles         4           Coating contact         gold plated           Family construction form         M12           Thread         M12 x 1           Material contact         Copper alloy           No. of poles         4           Commercial data         27279218           ECLASS-7.0         27279218           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311	Mounting method	inserted, screwed
Thread         M12 x 1           suitable for corrugated tube (internal Ø)         10 mm           Material contact         Copper alloy           No. of poles         4           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 2         Tightening torque           O, 6 Nm         inserted, screwed           Coating contact         gold plated           Family construction form         M12 x 1           Material contact         Copper alloy           No. of poles         4           Costand contact         Copper alloy           No. of poles         4           Costand contact         Copper alloy           No. of poles         4           Costand contact         Copper alloy           No. of poles         4           CotASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-10.1         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ETIM	Coating contact	gold plated
suitable for corrugated tube (internal Ø)         10 mm           Material contact         Copper alloy           No. of poles         4           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 2         T           Tightening torque         0,6 Nm           Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M12           Thread         M12 x 1           Material contact         Copper alloy           No. of poles         4           Commercial data         Copper alloy           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0<	Family construction form	M12
Material contact         Copper alloy           No. of poles         4           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 2            Tightening torque         0,6 Nm           Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M12           Thread         M12 × 1           Material contact         Copper alloy           No. of poles         4           Commercial data         ECLASS-6.0           ECLASS-7.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-10.1         27060311           ECLASS-10.1         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         ECO011855           customs tariff number         8	Thread	M12 x 1
No. of poles         4           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 2         Tightening torque           Tightening torque         0,6 Nm           Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M12           Thread         M12 x 1           Material contact         Copper alloy           No. of poles         4           Commercial data         27279218           ECLASS-6.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         EC001185           customs tariff number         8544290           GTIN         4048879836630	suitable for corrugated tube (internal Ø)	10 mm
Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 2         IP65, IP66K, IP67           Tightening torque         0,6 Nm           Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M12           Thread         M12 x 1           Material contact         Copper alloy           No. of poles         4           Commercial data         27279218           ECLASS-6.0         27279218           ECLASS-8.0         27279218           ECLASS-8.0         27279218           ECLASS-8.0         27279218           ECLASS-8.0         27279218           ECLASS-8.0         27260311           ECLASS-8.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         EC001855           customs tariff number         85444290           GTIN         4048878836630	Material contact	Copper alloy
Degree of protection (EN IEC 60529)         IP66, IP66           Side 2         Iightening torque         0,6 Nm           Mounting method         inserted, screwed         Iinserted, screwed           Coating contact         gold plated         Iinserted, screwed           Coating contact         gold plated         Iinserted, screwed           Thread         M12         Iinserted, screwed           Material contact         Copper alloy         Iinserted, screwed           No. of poles         4         Iinserted, screwed           Commercial data         Copper alloy         Iinserted, screwed           ECLASS-6.0         27279218         Iinserted, screwed           ECLASS-7.0         27279218         Iinserted, screwed           ECLASS-8.0         27279218         Iinserted, screwed           ECLASS-9.0         27060311         Iinserted, screwed           ECLASS-10.1         27060311         Iinserted, screwed           ECLASS-11.1         27060311         Iinserted, screwed           Ecuass-12.0         27060311         Iinserted, screwed           Countact         Sti44290         Iinserted, screwed           GTIN         4048879836630         Iinserted, screwed	No. of poles	4
Side 2           Tightening torque         0,6 Nm           Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M12           Thread         M12 x 1           Material contact         Copper alloy           No. of poles         4           Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ETIM-5.0         E001485           customs tariff number         85444290           GTIN         4048879836630	Width across flats	SW13
Tightening torque0,6 NmMounting methodinserted, screwedCoating contactgold platedFamily construction formM12ThreadM12 x 1Material contactCopper alloyNo. of poles4Commercial dataECLASS-6.027279218ECLASS-7.027279218ECLASS-8.027279218ECLASS-9.027060311ECLASS-10.127060311ECLASS-11.127060311ECLASS-12.027060311ECLASS-12.027060311ETIM-5.0EC001855customs tariff number85444290GTIN4048879836630	Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M12           Thread         M12 x 1           Material contact         Copper alloy           No. of poles         4           Commercial data         27279218           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879836630	Side 2	
Coating contact         gold plated           Family construction form         M12           Thread         M12 x 1           Material contact         Copper alloy           No. of poles         4           Commercial data         27279218           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879836630	Tightening torque	0,6 Nm
Family construction form         M12           Thread         M12 x 1           Material contact         Copper alloy           No. of poles         4           Commercial data         27279218           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC011855           customs tariff number         85444290           GTIN         4048879836630	Mounting method	inserted, screwed
Thread         M12 x 1           Material contact         Copper alloy           No. of poles         4           Commercial data         ECLASS-6.0           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879836630	Coating contact	gold plated
Material contact         Copper alloy           No. of poles         4           Commercial data         27279218           ECLASS-6.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879836630	Family construction form	M12
No. of poles         4           Commercial data         E           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879836630	Thread	M12 x 1
Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879836630	Material contact	Copper alloy
ECLASS-6.0       27279218         ECLASS-7.0       27279218         ECLASS-8.0       27279218         ECLASS-9.0       27060311         ECLASS-10.1       27060311         ECLASS-11.1       27060311         ECLASS-12.0       27060311         ETIM-5.0       EC001855         customs tariff number       85444290         GTIN       4048879836630	No. of poles	4
ECLASS-7.0       27279218         ECLASS-8.0       27279218         ECLASS-9.0       27060311         ECLASS-10.1       27060311         ECLASS-11.1       27060311         ECLASS-12.0       27060311         ETIM-5.0       EC001855         customs tariff number       85444290         GTIN       4048879836630	Commercial data	
ECLASS-8.0       27279218         ECLASS-9.0       27060311         ECLASS-10.1       27060311         ECLASS-11.1       27060311         ECLASS-12.0       27060311         ETIM-5.0       EC001855         customs tariff number       85444290         GTIN       4048879836630	ECLASS-6.0	27279218
ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879836630	ECLASS-7.0	27279218
ECLASS-10.1       27060311         ECLASS-11.1       27060311         ECLASS-12.0       27060311         ETIM-5.0       EC001855         customs tariff number       85444290         GTIN       4048879836630	ECLASS-8.0	27279218
ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879836630	ECLASS-9.0	27060311
ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879836630	ECLASS-10.1	27060311
ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879836630	ECLASS-11.1	27060311
customs tariff number         85444290           GTIN         4048879836630	ECLASS-12.0	27060311
GTIN 4048879836630	ETIM-5.0	EC001855
	customs tariff number	85444290
Packaging unit 10	GTIN	4048879836630
	Packaging unit	10

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## Electrical data | Supply

Electrical data   Supply	
Operating voltage AC max.	250 V
Operating voltage DC max.	250 V
Dperating voltage AC (UL-listed)	30 V
Dperating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A
Diagnostics	
Status indication LED	no
Device protection   Electrical	
• •	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	2,5 kV
Material group (IEC 60664-1)	
Mechanical data   Material data	
Coating locking	Nickeled
Material gasket	FKM
Naterial housing	PUR
ocking material	Zinc die-casting
Mechanical data   Mounting data	
Nounting method	inserted, screwed
Environmental characteristics   Climatic	
	-25 °C
Operating temperature min. Dperating temperature max.	-25 °C 85 °C
Idditional condition temperature range	depending on cable quality
	depending on cable quality
Important installation notes	
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Installation   Cable	
vire arrangement	brown, black, blue, white
Cable identification	634
· · · · <del>-</del>	
Cable Type	3
	3 black
lacket Color	
acket Color ype of Certificate	black
acket Color ype of Certificate mount stranding	black cURus
acket Color ype of Certificate mount stranding tranding	black cURus 1
acket Color ype of Certificate mount stranding stranding vire arrangement	black cURus 1 4 wires twisted
acket Color ype of Certificate mount stranding tranding vire arrangement cable weigth	black cURus 1 4 wires twisted brown, black, blue, white
acket Color ype of Certificate mount stranding stranding vire arrangement Cable weigth Material jacket	black cURus 1 4 wires twisted brown, black, blue, white 36,3 g/m
acket Color ype of Certificate mount stranding tranding vire arrangement Cable weigth Material jacket Shore hardness jacket	black cURus 1 4 wires twisted brown, black, blue, white 36,3 g/m PUR
acket Color ype of Certificate Amount stranding Stranding vire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket)	black         cURus         1         4 wires twisted         brown, black, blue, white         36,3 g/m         PUR         90 ± 5 Shore A         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
acket Color ype of Certificate Amount stranding Stranding vire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Duter-diameter (jacket)	black         cURus         1         4 wires twisted         brown, black, blue, white         36,3 g/m         PUR         90 ± 5 Shore A         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         4,5 mm
acket Color Type of Certificate Amount stranding Stranding vire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Duter-diameter (jacket) Tolerance outer diameter (sheath)	black         cURus         1         4 wires twisted         brown, black, blue, white         36,3 g/m         PUR         90 ± 5 Shore A         lead-free, cadmium-free, CFC-free, halogen-free         4,5 mm         ± 5 %
lacket Color Type of Certificate Amount stranding Stranding vire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Duter-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation	black         cURus         1         4 wires twisted         brown, black, blue, white         36,3 g/m         PUR         90 ± 5 Shore A         lead-free, cadmium-free, CFC-free, halogen-free         4,5 mm         ± 5 %         PP
Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Duter-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Duter diameter insulation	black         cURus         1         4 wires twisted         brown, black, blue, white         36,3 g/m         PUR         90 ± 5 Shore A         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         4,5 mm         ± 5 %         PP         4
Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Duter-diameter (jacket) Folerance outer diameter (sheath) Material wire insulation Amount wires Duter diameter insulation	black         cURus         1         4 wires twisted         brown, black, blue, white         36,3 g/m         PUR         90 ± 5 Shore A         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         4,5 mm         ± 5 %         PP         4         1,25 mm
Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Duter-diameter (jacket) Folerance outer diameter (sheath) Material wire insulation Amount wires	black         cURus         1         4 wires twisted         brown, black, blue, white         36,3 g/m         PUR         90 ± 5 Shore A         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         4,5 mm         ± 5 %         PP         4

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Amount strands (wire)	42
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,34 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,8 A
Electrical resistance line constant wire	57 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2,5 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2,5 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing   DIN EN 60811-404
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
No. of bending cycles (C-track)	10 Mio. @ 25 °C
Traversing distance (C-track)	10 m @ 25 °C   horizontal
Travel speed (C-track)	3 m/s @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min

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