

## Y-Distributor M12 male / M8 female 0° A-cod.

PUR 3x0.25 bk UL/CSA+robot+drag ch. 2.5m

Y-connector M12 – M8, 4/3-pole Zinc die casting, save-cover coated Male straight – females straight M12, A-coded

Art-No. 7005 - M12/M8 Lite - (plastic hexagonal screw) on request

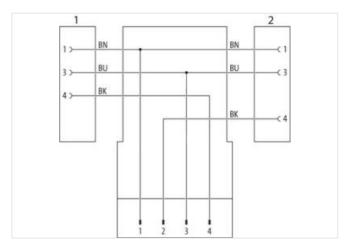
Plastic housings with good resistance against chemicals and oils.

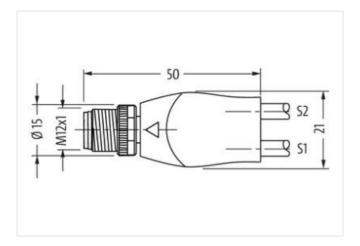
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

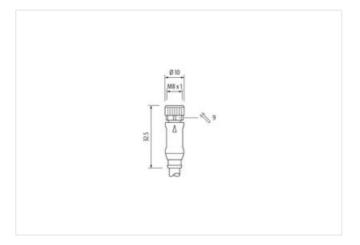
## **Link to Product**

## Illustration



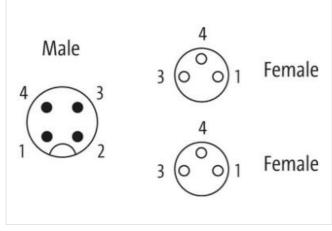








stay connected



Product may differ from Image







Cable length	2,5 m
Side 1	
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
Coding	A
Material contact	Copper alloy
Material	PUR
No. of poles	4
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Tightening torque	0,4 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M8
Thread	M8 x 1
suitable for corrugated tube (internal Ø)	6,5 mm
Coding	A
Material contact	Copper alloy
Material	PUR
No. of poles	3
Width across flats	SW9
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 3	
Mounting method	inserted, screwed
Family construction form	M8
Coding	A
No. of poles	3



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ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060313           ECLASS-11.1         27060313           ECLASS-12.0         27000313           ECLASS-12.0         27000313           ECLASS-10.1         406887.0           ECLASS-10.1         406887.0           ECLASS-10.0         40700185           customs suff rumber         8544420           GTIN         406887.0           Packaging unit         1           Electrical data   Supply         February (Part of Company College AC max.)           Operating voltage AC max.         60 V           Operating voltage AC (UL-steed)         30 V           Operating voltage PC (UL-steed)         30 V           Operating voltage PC (UL-steed)         30 V           Diagnostics         Status indication LED         no           Perture protection   Electrical         Additional Condition Protection degree         3           Pollution Degree         3         4           Pollution Degree         3         4           Pollution Degree         3         4           <	Commercial data	
ECLASS 8.0 2779218  ECLASS 9.0 2706311  ECLASS 1.1 2706313  ECLASS 1.1 2706313  ECLASS 1.1 2706313  ECLASS 1.1 2706313  ETIM-S.0 ECO8185  Customs turff number 88444290  GTIN 494873509957  Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 50 V  Operating voltage AC max. 50 V  Operating voltage CD (UL sited) 30 V  Operating voltage CD (UL sited) 30 V  Operating voltage DC max. 4A  Diagnostics  Status indication LED no  Device protection   Electrical  Additional contition protection degree 1,5 kV  Material group (EC 60884-1) 1  Edition Degree 3  Raided surge voltage AC max. 50 V  Operating voltage AC max. 4A  Diagnostics  Status indication LED no  Device protection   Electrical  Additional contition protection degree 1,5 kV  Material group (EC 60884-1) 1  Emerical data   Material data   Material data    Material gasket Explored Company of the Comp	ECLASS-6.0	27279218
EGLASS-9.0         27968311           EGLASS-10.1         27968313           EGLASS-11.1         27068313           EGLASS-12.0         27968313           EGLASS-12.0         ED001855           boustons tariff number         68444290           ETIM. 5.0         E001855           Decision of the properties of the proper		27279218
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ECLASS-11.1 27060313 ECLASS-12.0 27060313 ECLASS-12.0 27060313 ECLASS-12.0 27060313 ECLASS-12.0 27060313 ECLASS-12.0 27060313 ELECTIM-5.0 EC001855  uistons tariff number 85444280 GTTTT	ECLASS-9.0	27060311
ECLASS-12.0         27060313           ETIMS 0         EC001895           ETIMS 0         EC001895           COTIN         4948879508957           Packaging unit         I           Electrical datal Supply         Image: Electrical datal Supply           Operating voltage AC max.         50 V           Operating voltage DC max.         60 V           Operating voltage DC (UL-listed)         30 V           Additional condition protection degree         3           Rated surge voltage         1,5 kV           Method (Incompose) Electrical Additional Condition protection degree         3           Rated surge voltage         1,5 kV           Mechanical data Muertal data         Machieral graphic decays and a protection lister li	ECLASS-10.1	27060313
ETIM-5.0 EC001855 Custons tarif number 85444290 GTN 404887508957 Packaging unit 1  Electrical data   Supply Operating voltage AC max. 50 V Operating voltage AC max. 60 V Operating voltage AC (UL-listed) 30 V Operating voltage CC (UL-listed) 4 A  Diagnostics  Status indication LED no  Device protection   Electrical  Additional condition protection degree inserted, screwed Pollution Degree 3  Rated surge voltage Max   Value	ECLASS-11.1	27060313
customs tariff number 8544290 GTIN 4048879508957 Packaging unit 1  Electrical data   Supply Operating voltage AC max. 50 V Operating voltage AC (IU-listed) 30 V Operating voltage AC (IU-listed) 30 V Operating voltage DC (IU-listed) 30 V Operating voltage DC (IU-listed) 30 V Operating voltage DC (IU-listed) 4 A  Current operating per contact max. 4 A  Balance Status Indication LED no  Device protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3 Rated surge voltage 1,5 kV Material group (IEC 60684-1) II  Mechanical data   Material data  Material gasket FKM Locking material Status Indication Less in serted, screwed Status Indication Less in serted service Coated Material gasket FKM Material gasket FKM Locking material Status Indication Less in service Status Indication Indic	ECLASS-12.0	27060313
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Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 60 V Operating voltage DC max. 60 V Operating 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 suge voltage 1,5 kV Material group (IEC 60664+1) I Mechanical data   Material data  Coating locking safe-cover coated Material gasket FKM Locking material Zinc die casting Mechanical data   Mounting data Mounting method inserted, screwed. Shaking protection  Environmental characteristics   Climatic  Coperating temperature min. 25° C Operating temperature may. 85° C Additional condition temperature range depending on cable quality  Important installation notes  Note on strain rele! Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Contormity  Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  Installation   Cable  wire arrangement	customs tariff number	85444290
Electrical data   Supply Operating voltage AC max. 50 V Operating voltage DC max. 60 V Operating voltage DC (UL-listed) 30 V Operating voltage DC (UL-listed) 70 No Operating voltage 70 No Operating temperature min. 25 °C Operating temperature min. 26 °C Operating temperature	GTIN	4048879508957
Operating voltage AC max. 50 V Operating voltage DC max. 60 V Operating voltage DC (UL-listed) 30 V Operating voltage DC (UL-listed) 4A  Diagnostics Status indication LED no Device protection   Electrical  Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 1,5 kV Material group (IEC 60664-1) I  Mechanical data   Material data  Coating locking safe-cover coated  Material gasket FKM Locking material 2inded   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min. 25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Altentions: Observe the permissible bending radiu when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DN No. No. No. No. No. No. No. No. No. No	Packaging unit	1
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Operating 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  Astead surge voltage 1,5 kV Material group (IEC 60664-1) I  Mechanical data   Material data  Coating locking safe-cover coated  Material gasket FKM  Locking material Zince-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Contomity  Product standard Din En 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  Installation   Cable  wire arrangement brown, black, blue  Cable identification   650  Cable Type   5  Jacket Color		60 V
Operating 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 S Rated surge voltage 1,5 kV Material group (IEC 60664-1) I  Mechanical data   Material data  Coating locking safe-cover coated Material gasket FKM Locking material   Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality  Important installation notes  Note on bending radius Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radiu when laying cables, as the IP protection class can be endangered by excessive bending forces.  Continuity  Product standard Din En 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  Installation   Cable  wire arrangement brown, black, blue Cable identification 650  Cable Type 5  Jacket Color black  Amount stranding 1		30 V
Diagnostics	Operating voltage DC (UL-listed)	30 V
Status indication LED no  Device protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated Surge voltage 1,5 kV  Material group (IEC 606641) I  Mechanical data   Material data  Coating locking safe-cover coated  Material gasket FKM  Locking material 2 zore de-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  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), DIN EN 61076-2-114 (M8)  Installation   Cable  wire arrangement brown, black, blue  Cable identification 650  Cable Type 5  Lacket Color black  Attention: Cutrus  Amount stranding 1	Current operating per contact max.	4 A
Status indication LED no  Device protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated Surge voltage 1,5 kV  Material group (IEC 606641) I  Mechanical data   Material data  Coating locking safe-cover coated  Material gasket FKM  Locking material 2 zore de-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  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), DIN EN 61076-2-114 (M8)  Installation   Cable  wire arrangement brown, black, blue  Cable identification 650  Cable Type 5  Lacket Color black  Attention: Cutrus  Amount stranding 1	Diagnostics	
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Mechanical data   Material data   Coating locking safe-cover coated   Material gasket FKM   Locking material Zinc die-casting   Mechanical data   Mounting data   Mounting method inserted, screwed, Shaking protection   Environmental characteristics   Climatic   Operating temperature min25 °C   Operating temperature max. 85 °C   Additional condition temperature range depending on cable quality   Important installation notes   Note on strain relief   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.   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), DIN EN 61076-2-114 (M8)   Installation   Cable   wire arrangement   brown, black, blue   Cable identification   650   Cable Type   5   Jacket Color   black   Type of Certificate   cURus   Amount stranding   1		· · ·
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Material gasket FKM Locking material Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Note on 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), DIN EN 61076-2-114 (M8)  Installation   Cable  wire arrangement brown, black, blue Cable identification 650  Cable Type 5  Jacket Color black Type of Certificate Amount stranding 1		
Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  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), DIN EN 61076-2-114 (M8)  Installation   Cable  wire arrangement brown, black, blue  Cable identification 650  Cable Type 5  Jacket Color black  Type of Certificate cURus  Amount stranding 1		
Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  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), DIN EN 61076-2-114 (M8)  Installation   Cable  wire arrangement brown, black, blue  Cable identification 650  Cable Type 5  Jacket Color black  Type of Certificate cURus  Amount stranding 1		
Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Note on 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), DIN EN 61076-2-114 (M8)  Installation   Cable  wire arrangement brown, black, blue  Cable identification 650  Cable Type 5  Jacket Color black  Type of Certificate cURus  Amount stranding 1		Zinc die-casting
Environmental characteristics   Climatic  Operating temperature min.  -25 °C  Operating temperature max.  85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  Installation   Cable  wire arrangement brown, black, blue  Cable identification 650  Cable Type 5  Jacket Color black  Amount stranding 1		
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Operating temperature max.  Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  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), DIN EN 61076-2-114 (M8)  Installation   Cable wire arrangement brown, black, blue  Cable identification 650  Cable Type 5  Jacket Color black Type of Certificate cURus  Amount stranding 1	Environmental characteristics   Climatic	
Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  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), DIN EN 61076-2-114 (M8)  Installation   Cable wire arrangement brown, black, blue  Cable identification 650  Cable Type 5  Jacket Color black Type of Certificate cURus  Amount stranding 1	Operating temperature min.	-25 °C
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), DIN EN 61076-2-114 (M8)  Installation   Cable wire arrangement brown, black, blue  Cable identification 650  Cable Type 5  Jacket Color black Type of Certificate cURus  Amount stranding 1	Operating temperature max.	85 °C
Note on strain relief  Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  Installation   Cable  wire arrangement  brown, black, blue  Cable identification  650  Cable Type  5  Jacket Color  black  Type of Certificate  Amount stranding  1	Additional condition temperature range	depending on cable quality
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), DIN EN 61076-2-114 (M8)  Installation   Cable wire arrangement brown, black, blue  Cable identification 650  Cable Type 5  Jacket Color black Type of Certificate cURus  Amount stranding 1	Important installation notes	
endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  Installation   Cable  wire arrangement brown, black, blue  Cable identification 650  Cable Type 5  Jacket Color black  Type of Certificate cURus  Amount stranding 1	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  Installation   Cable  wire arrangement brown, black, blue  Cable identification 650  Cable Type 5  Jacket Color black Type of Certificate cURus  Amount stranding 1	Note on bending radius	
Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  Installation   Cable  wire arrangement brown, black, blue  Cable identification 650  Cable Type 5  Jacket Color black Type of Certificate cURus  Amount stranding 1	Conformity	
Installation   Cable wire arrangement brown, black, blue Cable identification 650 Cable Type 5 Jacket Color black Type of Certificate cURus Amount stranding 1		DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)
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Amount stranding 1		
	••	
wire arrangement brown, black, blue		



stay	connected	
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Cable weigth	26,4 g/m
Material jacket	PUR
Shore hardness jacket	58 ± 3 Shore D
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	4,3 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PP
Amount wires	3
Outer diameter insulation	1,25 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	74 ± 3 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount strands (wire)	32
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,25 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	4,5 A
Electrical resistance line constant wire	79 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	IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404   Good, application-related testing
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)	5 m @ 25 °C   horizontal
Travel speed (C-track)	3,3 m/s @ 25 °C
No. of torsion cycles	1 Mio.
Torsion stress	± 360 °/m
Torsion speed	35 cycles/min