## PHG.1K.306.CYMC40Z





Image for illustrative purpose only

## **Summary**

### Request a quote

Catalog	
Number of contrate Law Voltage	6
Number of contacts Low Voltage	6
Wire Size/AWG	26 - 22
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Free
Locking system	Push-pull
Jacket cable outside diameter [mm]	3.60 - 4.00 mm
Size	1K
Suggested matching part	FGG.1K.306.CYCC40Z
Series	K - Outdoor keyed

## **Technical details**

### **Electrical Configuration**

R (max)  6.1 mOhm  Insert configuration value  1K.306 - 6 Low Voltage  Insulator  Y: PEEK for crimp contacts  Rated current  7 A  Vest (contact-contact)  1350 V (AC), 1910 V (DC)  Vest (contact-shell)  1450 V (AC), 2050 V (DC)  Contact retention  22 N  Contact Type  Crimp  Max. Conductor  Min. Conductor  0.34 mm^2 (AWG 22)  Min. Conductor  0.14 mm^2 (AWG 26)  Bucket Dia.  0.8 mm (0.031in)  Contact Dia.  0.7 mm (0.028in)  Number of contacts Low Voltage  6  Wire Size/AWG  26 - 22  Gender  Standard  PH - Free receptacle, cable collet and nut for fitting a bend relief  Socket / Receptacle  Free  Brass (chrome plated [SAE AMS 2460]) shell, collet nut and latch sleeve, nickel plated [SAE AMS QQ N 290] brass mid pleces  Push-pull  Keying  G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)  Grey  Variant  Nut for fitting a bend relief		
Insert configuration value  1K,306 - 6 Low Voltage  Insulator  Y: PEEK for crimp contacts  Rated current  7 A  Vest (contact-contact)  1350 V (AC), 1910 V (DC)  Vest (contact-shell)  1450 V (AC), 2050 V (DC)  Contact retention  22 N  Contact Type  Crimp  Max. Conductor  Min. Conductor  Min. Conductor  Min. Conductor  Min. Contact Dia.  0.8 mm (0.031in)  Contact Dia.  0.7 mm (0.028in)  Number of contacts Low Voltage  Wire Size/AWG  26 - 22  Gender  Standard  PH - Free receptacle, cable collet and nut for fitting a bend relief  Socket / Receptacle  Free  Brass (chrome plated [SAE AMS 2460]) shell, collet nut and latch sleeve, nickel plated [SAE AMS QQ N 290] brass mid pieces  Push-pull  Keying  G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)  Grey  Variant  Nut for fitting a bend relief	Contact Termination Low voltage	Crimp
Insulator Y: PEEK for crimp contacts  Rated current 7 A  Vtest (contact-contact) 1350 V (AC), 1910 V (DC)  Vtest (contact-shell) 1450 V (AC), 2050 V (DC)  Contact retention 22 N  Contact Type Crimp  Max. Conductor 0.34 mm^2 (AWG 22)  Min. Conductor 0.14 mm^2 (AWG 26)  Bucket Dia. 0.8 mm (0.031in)  Contact Dia. 0.7 mm (0.028in)  Number of contacts Low Voltage 6  Wire Size/AWG 26 - 22  Gender Standard  Orm & Material  Shell style / Model id PH - Free receptacle, cable collet and nut for fitting a bend relief  Free  Housing material PH - Free Passe (Chrome plated [SAE AMS 2460]) shell, collet nut and latch sleeve, nickel plated [SAE AMS QQ N 290] brass mid pieces  Push-pull  Keying G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)  Colour Grey  Variant Nut for fitting a bend relief	R (max)	6.1 mOhm
Rated current 7 A  Vtest (contact-contact) 1350 V (AC), 1910 V (DC)  Vtest (contact-shell) 1450 V (AC), 2050 V (DC)  Contact retention 22 N  Contact Type Crimp  Max. Conductor 0.34 mm^2 (AWG 22)  Min. Conductor 0.14 mm^2 (AWG 26)  Bucket Dia. 0.8 mm (0.031in)  Contact Dia. 0.7 mm (0.028in)  Number of contacts Low Voltage 6  Wire Size/AWG 26 - 22  Gender Standard  Orm & Material  Shell style / Model id PH - Free receptacle, cable collet and nut for fitting a bend relief  Brass (chrome plated [SAE AMS 2460]) shell, collet nut and latch sleeve, nickel plated [SAE AMS QQ N 290] brass mid pieces  Locking system Push-pull  Keying G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)  Colour  Grey  Variant Nut for fitting a bend relief	Insert configuration value	1K.306 - 6 Low Voltage
Vtest (contact-contact)  Vtest (contact-shell)  1450 V (AC), 1910 V (DC)  Contact retention  22 N  Contact Type  Crimp  Max. Conductor  Min. Contact Dia.  O.7 mm (0.028in)  Number of contacts Low Voltage  Wire Size/AWG  Gender  Standard  PH - Free receptacle, cable collet and nut for fitting a bend relief  Brass (chrome plated [SAE AMS 2460]) shell, collet nut and latch sleeve, nickel plated [SAE AMS QQ N 290] brass mid pleces  Locking system  Push-pull  Keying  Grey  Variant  Nut for fitting a bend relief	Insulator	Y: PEEK for crimp contacts
Vtest (contact-shell)  Contact retention  22 N  Contact Type  Crimp  Max. Conductor  0.34 mm^2 (AWG 22)  Min. Conductor  0.14 mm^2 (AWG 26)  Bucket Dia.  0.8 mm (0.031in)  Contact Dia.  0.7 mm (0.028in)  Number of contacts Low Voltage  6  Wire Size/AWG  26 - 22  Gender  Standard  PH - Free receptacle, cable collet and nut for fitting a bend relief  Socket / Receptacle  Housing material  Phosphase  Brass (chrome plated [SAE AMS 2460]) shell, collet nut and latch sleeve, nickel plated [SAE AMS QQ N 290] brass mid pieces  Locking system  Push-pull  Keying  Grey  Variant  Nut for fitting a bend relief	Rated current	7 A
Contact retention 22 N  Contact Type Crimp  Max. Conductor 0.34 mm^2 (AWG 22)  Min. Conductor 0.14 mm^2 (AWG 26)  Bucket Dia. 0.8 mm (0.031in)  Contact Dia. 0.7 mm (0.028in)  Number of contacts Low Voltage 6  Wire Size/AWG 26 - 22  Gender Standard  orm & Material  Shell style / Model id PH - Free receptacle, cable collet and nut for fitting a bend relief  Socket / Receptacle Free  Housing material PH- Free receptacle [SAE AMS 2460]) shell, collet nut and latch sleeve, nickel plated [SAE AMS QQ N 290] brass mid pieces  Locking system Push-pull  Keying G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)  Colour Grey  Variant Nut for fitting a bend relief	Vtest (contact-contact)	1350 V (AC), 1910 V (DC)
Contact Type  Max. Conductor  0.34 mm^2 (AWG 22)  Min. Conductor  0.14 mm^2 (AWG 26)  Bucket Dia.  0.8 mm (0.031in)  Contact Dia.  0.7 mm (0.028in)  Number of contacts Low Voltage  6  Wire Size/AWG  26 - 22  Gender  Standard  Orm & Material  Shell style / Model id  PH - Free receptacle, cable collet and nut for fitting a bend relief  Socket / Receptacle  Housing material  Brass (chrome plated [SAE AMS 2460]) shell, collet nut and latch sleeve, nickel plated [SAE AMS QQ N 290] brass mid pieces  Locking system  Push-pull  Keying  G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)  Colour  Grey  Variant  Nut for fitting a bend relief	Vtest (contact-shell)	1450 V (AC), 2050 V (DC)
Max. Conductor  0.34 mm^2 (AWG 22)  Min. Conductor  0.14 mm^2 (AWG 26)  Bucket Dia.  0.8 mm (0.031in)  Contact Dia.  0.7 mm (0.028in)  Number of contacts Low Voltage  6  Wire Size/AWG  26 - 22  Gender  Standard  PH - Free receptacle, cable collet and nut for fitting a bend relief  Socket / Receptacle  Housing material  Pres  Brass (chrome plated [SAE AMS 2460]) shell, collet nut and latch sleeve, nickel plated [SAE AMS QQ N 290] brass mid pieces  Locking system  Push-pull  Keying  G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)  Colour  Grey  Variant  Nut for fitting a bend relief	Contact retention	22 N
Min. Conductor  0.14 mm^2 (AWG 26)  Bucket Dia.  0.8 mm (0.031in)  Contact Dia.  0.7 mm (0.028in)  Number of contacts Low Voltage  6  Wire Size/AWG  26 - 22  Gender  Standard  Orm & Material  Shell style / Model id  PH - Free receptacle, cable collet and nut for fitting a bend relief  Socket / Receptacle  Free  Brass (chrome plated [SAE AMS 2460]) shell, collet nut and latch sleeve, nickel plated [SAE AMS QQ N 290] brass mid pieces  Locking system  Push-pull  Keying  G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)  Colour  Grey  Variant  Nut for fitting a bend relief	Contact Type	Crimp
Bucket Dia.  O.8 mm (0.031in)  Contact Dia.  0.7 mm (0.028in)  Number of contacts Low Voltage  6  Wire Size/AWG  Gender  Standard  Orm & Material  Shell style / Model id  PH - Free receptacle, cable collet and nut for fitting a bend relief  Socket / Receptacle  Free  Brass (chrome plated [SAE AMS 2460]) shell, collet nut and latch sleeve, nickel plated [SAE AMS QQ N 290] brass mid pieces  Locking system  Push-pull  Keying  G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)  Colour  Grey  Variant  Nut for fitting a bend relief	Max. Conductor	0.34 mm^2 (AWG 22)
Contact Dia.  0.7 mm (0.028in)  Number of contacts Low Voltage  6  Wire Size/AWG  26 - 22  Gender  Standard  PH - Free receptacle, cable collet and nut for fitting a bend relief  Socket / Receptacle  Housing material  Locking system  Push-pull  Keying  Grey  Variant  O.7 mm (0.028in)  0.7 mm (0.028in)  0.7 mm (0.028in)  6  Colour (0.028in)  Standard  PH - Free receptacle, cable collet and nut for fitting a bend relief  Standard  PH - Free receptacle, cable collet and nut for fitting a bend relief  PH - Free receptacle, cable collet and nut for fitting a bend relief	Min. Conductor	0.14 mm^2 (AWG 26)
Number of contacts Low Voltage  Wire Size/AWG  26 - 22  Gender  Standard  Orm & Material  Shell style / Model id  PH - Free receptacle, cable collet and nut for fitting a bend relief  Socket / Receptacle  Housing material  Brass (chrome plated [SAE AMS 2460]) shell, collet nut and latch sleeve, nickel plated [SAE AMS QQ N 290] brass mid pieces  Locking system  Push-pull  Keying  G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)  Colour  Grey  Variant  Nut for fitting a bend relief	Bucket Dia.	0.8 mm (0.031in)
Wire Size/AWG  Gender  Standard  Orm & Material  Shell style / Model id  Shell style / Model id  PH - Free receptacle, cable collet and nut for fitting a bend relief  Socket / Receptacle  Free  Brass (chrome plated [SAE AMS 2460]) shell, collet nut and latch sleeve, nickel plated [SAE AMS QQ N 290] brass mid pieces  Locking system  Push-pull  Keying  G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)  Colour  Grey  Variant  Nut for fitting a bend relief	Contact Dia.	0.7 mm (0.028in)
Gender  Standard  Orm & Material  Shell style / Model id  Socket / Receptacle  Housing material  Locking system  Keying  Gery  Variant  Standard  PH - Free receptacle, cable collet and nut for fitting a bend relief  Free  Brass (chrome plated [SAE AMS 2460]) shell, collet nut and latch sleeve, nickel plated [SAE AMS QQ N 290] brass mid pieces  Push-pull  G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)  Grey  Variant  Nut for fitting a bend relief	Number of contacts Low Voltage	6
Shell style / Model id  PH - Free receptacle, cable collet and nut for fitting a bend relief  Socket / Receptacle  Free  Brass (chrome plated [SAE AMS 2460]) shell, collet nut and latch sleeve, nickel plated [SAE AMS QQ N 290] brass mid pieces  Locking system  Push-pull  Keying  G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)  Colour  Grey  Variant  Nut for fitting a bend relief	Wire Size/AWG	26 - 22
Shell style / Model id  PH - Free receptacle, cable collet and nut for fitting a bend relief  Socket / Receptacle  Free  Brass (chrome plated [SAE AMS 2460]) shell, collet nut and latch sleeve, nickel plated [SAE AMS QQ N 290] brass mid pieces  Locking system  Push-pull  Keying  G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)  Colour  Grey  Variant  Nut for fitting a bend relief	Gender	Standard
bend relief  Socket / Receptacle  Free  Brass (chrome plated [SAE AMS 2460]) shell, collet nut and latch sleeve, nickel plated [SAE AMS QQ N 290] brass mid pieces  Locking system  Push-pull  Keying  G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)  Colour  Grey  Variant  Nut for fitting a bend relief	orm & Material	
Brass (chrome plated [SAE AMS 2460]) shell, collet nut and latch sleeve, nickel plated [SAE AMS QQ N 290] brass mid pieces  Locking system  Push-pull  Keying  G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)  Colour  Grey  Variant  Nut for fitting a bend relief	Shell style / Model id	
Housing material  nut and latch sleeve, nickel plated [SAE AMS QQ N 290] brass mid pieces  Push-pull  Keying  G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)  Grey  Variant  Nut for fitting a bend relief	Socket / Receptacle	Free
Keying  G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)  Colour  Grey  Variant  Nut for fitting a bend relief	Housing material	nut and latch sleeve, nickel plated [SAE AMS QQ N
Colour Grey  Variant Nut for fitting a bend relief	Locking system	Push-pull
Variant Nut for fitting a bend relief	Keying	
	Colour	Grey
Weight 28.77 g	Variant	Nut for fitting a bend relief
	Weight	28.77 g

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#### **Environment**

Technical domain	Audio Video, Energy and Industrial, Medical, Test and Measurement
Environmental sealing (IP rating)	IP68
Endurance	5000 mating cycles
Temperature range	-55°C / +200°C
Climatical Category	50/175/21
Humidity (max)	<=95% [at 60 deg C /140 F]
Shielding (min)	95 dB (10 MHz)
Shielding (min)	80 dB (1 GHz)
Shock Resistance	100 g [ 6 ms]
Vibration	15 g [10 Hz - 2000 Hz]
Salt Spray Corrosion	>1000 hr
Cable fixation	
Cable termination protection	For cable bend relief
Fixation type	Cable collet
Jacket cable outside diameter [mm]	3.60 - 4.00 mm

# **Recommended By Lemo**

### **Accessories**

Replacement contact	EGG.1B.655.ZZM
Compatible cap	BRF.1K.200.NAS
Tools	
Positionner	DCE.91.071.BVM
Extraction tool	DCC.07.04B.LAG
Crimp tool	DPC.91.701.V
Spanner wrench	DCD.1E.ZZZ.PA090



Cable PartNumber	Material	Colour	Cable image
CMN.06.T26.037QGZE	TPR (medical)	Grey	