# ECJ.3B.304.CYC





Image for illustrative purpose only

### **Summary**

#### Request a quote

Catalog	
Number of contacts Low Voltage	4
Wire Size/AWG	16 - 12
Gender	Reverse Gender
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted
Locking system	Push-pull
Jacket cable outside diameter [mm]	2.00 - 16.60 mm
Size	3B
Suggested matching part	FGJ.3B.304.CYMD72
Series	B - Indoor keyed

### **Technical details**

#### **Electrical Configuration**

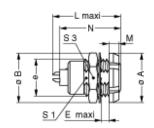
Number of contacts Low Voltage	4				
Contact Termination Low voltage	Crimp				
R (max)	3.3 mOhm				
Insert configuration value	3B.304 - 4 Low Voltage				
Insulator	Y: PEEK for crimp contacts				
Rated current	17 A				
Vtest (contact-contact)	3.4 kV (DC)				
Vtest (contact-shell)	2.5 kV (DC)				
Contact retention	65 N				
Max. Conductor	2.5 mm^2 (AWG 12)				
Min. Conductor	1.5 mm^2 (AWG 16)				
Bucket Dia.	2.4 mm (0.094in)				
Contact Dia.	2 mm (0.079in)				
Wire Size/AWG	16 - 12				
Gender	Reverse Gender				
Form & Material					
Shell style / Model id	EC - Fixed receptacle with two nuts (back panel mounting)				
Socket / Receptacle	Fixed Panel Rear Mounted				
Housing material	Brass (chrome plated [SAE AMS 2460]) shell and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces				
Locking system	Push-pull				
Keying	2 keys (alpha=37.5, plug: female contacts, receptacle: male contacts)				
Colour	Grey				
Weight	28.48 g				

#### **Environment**

Technical domain	Audio Video, Energy and Industrial, Medical, Semiconductor, Specialties and Other, Test and Measurement, Transportation, Aerospace and UAV				
Environmental sealing (IP rating)	IP50				
Endurance	5000 mating cycles				
Temperature range	-55°C / $+250$ °C (max. temperature valid for short periods of use.)				
Climatical Category	50/175/21				
Humidity (max)	<=95% [at 60 deg C /140 F]				
Shielding (min)	75 dB (10 MHz)				
Shielding (min)	40 dB (1 GHz)				
Shock Resistance	100 g [ 6 ms]				
Vibration	15 g [10 Hz - 2000 Hz]				
Salt Spray Corrosion	>1000 hr				
Cable fixation					
Jacket cable outside diameter [mm]	2.00 - 16.60 mm				

# **Drawings**







### **Dimensions**

	В	A	E	L	M	N	<b>S1</b>	<b>S</b> 3	е
mm.	25	24	9	30.7	4.5	28.1	16.5	22	M18x1.0
in.	0.98	0.94	0.35	1.21	0.18	1.11	0.65	0.87	

# **Recommended By Lemo**

#### **Accessories**

Replacement contact	FGG.3B.575.ZZC		
Compatible cap	BRE.3S.200.NAS		
Tools			
Positionner	DCE.91.203.BVCM		
Extraction tool	DCC.20.25B.LAG		
Crimp tool	DPC.91.101.A		
Spanner wrench	Socket for torque wrench DCM.65.200.AZ		

### **Cables**

CMN 04.714.083PKZE         grey           CMN 04.720.053PKZE         grey           CMN 04.720.053PKZE         FR (medical)           CMN 04.720.053PKZE         TFR (medical)           CMN 04.720.053PKZE         TFR (medical)           CMN 04.720.053PKZE         TFR (medical)           CMN 04.722.043PGZE         TFR (medical)           CMN 04.728.031PKZE         PVC           Grey         ————————————————————————————————————	Cable PartNumber	Material	Colour	Cable image
CMN.04.T20.053PGZE	CMN.04.T14.083PGZE		grey	<b>&gt;</b> €
CMN.04.T20.053PNZE  CMN.04.T20.0530GZE  TPR (medical)  Grey  CMN.04.T22.0470GC  TPR  Grey  CMN.04.T28.031PGCE  PVC  GREY  CMN.04.T28.031PGCE  PVC  Black  CMN.04.T28.031PNZE  CMN.04.T28.0	CMN.04.T14.083PNZE			<b>→</b>
CMN.04.T22.0470GC TPR Grey CMN.04.T22.0470GC TPR Grey CMN.04.T22.0490GZE TPR (medical) Grey CMN.04.T28.031PGCE PVC GREY CMN.04.T28.031PGCE PVC Black CMN.04.T28.031PKCE PVC Black CMN.04.T28.031PKCE PVC Grey L40240 PVC Black CMN.04.T28.031PKCE PVC Grey L40250 PVC Black L40	CMN.04.T20.053PGZE		grey	<b>&gt;</b> €
CMN.04.722.047QGC         TPR         Grey           CMN.04.722.048QGZE         TPR (medical)         Grey           CMN.04.728.031PGCE         PVC         GREY           CMN.04.728.031PNCE         PVC         Black           CMN.04.728.031PNZE         FPR         Grey           CMN.04.728.031PNZE         TPR         Grey           140240         PVC         Black           140250         PVC         Grey           240750         PVC         Grey           340150         PVC         Grey           40080         PVC         Grey           40080         PVC         Black           40080         PVC         Blue           40140         PVC         Blue           40240         PTFE         White           40240         PTFE         White           40260         PVC         Black           4041         PVC         Grey           417920         PVC         Black           4220         PVC         Black           4220         PVC         Black           4260         PTFE         White           4260         PTFE         White <td>CMN.04.T20.053PNZE</td> <td></td> <td></td> <td><b>∍</b> €</td>	CMN.04.T20.053PNZE			<b>∍</b> €
CMN.04.T22.0480GZE TPR (medical) Grey  CMN.04.T28.031PGCE PVC GREY  CMN.04.T28.031PNCE PVC Black  CMN.04.T28.031PNZE FVC Black  CMN.04.T28.031PNZE FVC Black  CMN.04.T28.031PNZE FVC Grey  140240 PVC Black  140250 PVC Grey  140500 PVC Grey  140680 PVC Black  140240 PVC Black  140240 PVC Black  140240 PVC Black  140240 PVC Black  140250 PVC Grey  14040 PVC Black  14050 PVC Grey  14060 PVC Black  140240 PTFE White  140240 PTFE White  140240 PVC Grey  140240 PVC Black  140240 PTFE White  140240 PVC Black  140250 PVC Black  140260 PVC Grey  140260 PVC Black  140260 PVC Black  140260 PVC Grey  140260 PVC Black  140260 PVC B	CMN.04.T20.053QGZE	TPR (medical)	Grey	<b>&gt;</b> €
CMM.04.T28.031PGCE         PVC         GREY           CMM.04.T28.031PGZE         grey           CMM.04.T28.031PNCE         PVC         Black           CMM.04.T28.031PNZE         TPR         Grey           L40240         PVC         Black	CMN.04.T22.047QGC	TPR	Grey	
CMN.04.728.031PGZE PVC Black  CMN.04.728.031PNZE PVC Black  CMN.04.728.031PNZE FRR Grey  140240 PVC Black  240500 PVC Grey  240500 PVC Grey  340 150 PVC Grey  340 150 PVC Black  40080 PVC Black  40140 PVC Black  40240 PVC Black  40500 PVC Grey  340 150 PVC Grey  340 150 PVC Grey  40080 PVC Black  40140 PVC Black  40240 PTFE White  40240 PTFE White  40250 PVC Grey  40260 PVC Black  40260 PVC Black  40260 PVC Black  4041 PVC Grey  4050 PVC Black  4050 PVC Black  4050 PVC Black  4060 PVC Black  4060 PVC Black  4060 PVC Black  40740 PVC Grey  4050 PVC Black  4060 PVC Black  4060 PVC Black  4080 PVC Grey  417920 PVC Grey  4220 PVC Black  4220 PVC Black  4220 PVC Black  4280 PVC Red  4280 PVC Red	CMN.04.T22.048QGZE	TPR (medical)	Grey	₹
CMN.04.T28.031PNCE PVC Black CMN.04.T28.031PNCE FVC Grey  140240 PVC Grey CMD.04.T28.031QGC PVC Black CMD.04.T28.031QGC PVC Grey CMD.04.T28.031QGC PVC Grey CMD.04.T28.031QGC PVC Black CMD.04.T28.031QGC PVC Grey CMD.04.T28.031QGC PVC Black CMD.04.T28.031QGC PVC Black CMD.04.T28.031QGC PVC Grey CMD.04.T28.031QGC PVC BRO.04.T28.031QGC PVC BRO.04.T28.031	CMN.04.T28.031PGCE	PVC	GREY	<b>&gt;</b> :
CMN.04.728.031PNZE         FYR         Grey           140240         PVC         Black	CMN.04.T28.031PGZE		grey	<b>&gt;</b> €
CMN 04.728.031QGC TPR Grey  140240 PVC Black  240500 PVC Grey  240750 PVC Grey  340 150 PVC Grey  40080 PVC Black  40040 PVC Black  40140 PVC Black  40240 PTFE White  4050 PVC Grey  4050 PVC Grey  4050 PVC Grey  4060 PVC Black  40240 PTFE White  4050 PVC Grey  4050 PVC Grey  4050 PVC Black  4041 PVC Grey  4050 PVC Black  4050 PVC Black  4050 PVC Black  4060 PVC Black  4060 PVC Black  4060 PVC Black  407920 PVC Black  4080 PVC Black  4080 PVC Grey  417920 PVC Black  4220 PVC Black	CMN.04.T28.031PNCE	PVC	Black	
140240       PVC       Black         140250       PVC       Grey         240500       PVC       Grey         240750       PVC       Grey         340 150       PVC       Black         40080       PVC       Blue         40140       PVC       Black         40240       PTFE       White         40260       PVC       Black         4041       PVC       Grey         4050       PVC       Black         4080       PVC       Grey         417920       PVC       Grey         4220       PVC       Black         4220       PVC       Black         4220       PVC       Black         4280       PVC       Black         80080       PVC       Red         80082       PVC       Black	CMN.04.T28.031PNZE			<b>&gt;——</b> €
140250       PVC       Grey         240500       PVC       Grey         240750       PVC       Grey         340 150       PVC       Black         40080       PVC       Blue         40140       PVC       Black         40240       PTFE       White         40260       PVC       Black         4050       PVC       Black         4080       PVC       Grey         417920       PVC       Grey         4220       PVC       Black         4221       PVC       Black         4220       PVC       Black         4221       PVC       Black         4280       PVC       Black         80080       PVC       Black         80080       PVC       Black         80080       PVC       Black         80080       PVC       Black	CMN.04.T28.031QGC	TPR	Grey	
240500       PVC       Grey         240750       PVC       Grey         340 150       PVC       Grey         40080       PVC       Black         40140       PVC       Blue         40240       PTFE       White         40260       PVC       Black         4041       PVC       Grey         4050       PVC       Black         4080       PVC       Grey         417920       PVC       Grey         4221       PVC       Black         4260       PTFE       White         4280       PVC       Black         80080       PVC       Grey         80082       PVC       Black	140240	PVC	Black	***
240750 PVC Grey  340 150 PVC Grey  40080 PVC Black  40086 PVC Blue  40140 PVC Black  40240 PTFE White  40260 PVC Grey  4050 PVC Grey  417920 PVC Grey  4220 PVC Black  4221 PVC Black  4280 PVC Black  80080 PVC Grey  80082 PVC Red  80084 PVC Grey  80080 PVC Black	140250	PVC	Grey	
340 150 PVC Grey  40080 PVC Black  40086 PVC Blue  40140 PVC Black  40240 PTFE White  4050 PVC Grey  4050 PVC Grey  417920 PVC Grey  4220 PVC Black  4221 PVC Black  4280 PVC Black  80080 PVC Black  80082 PVC Red  80084 PVC Grey  80086 Black  80080 PVC Black	240500	PVC	Grey	
40080 PVC Black 40086 PVC Blue 40140 PVC Black 40240 PTFE White 40260 PVC Grey 4050 PVC Black 4080 PVC Grey 417920 PVC Grey 4220 PVC Black 4221 PVC Black 4280 PVC Black 80080 PVC Black 80080 PVC Black 80084 PVC Black 80084 PVC Black 80084 PVC Black 8088 PVC Black	240750	PVC	Grey	<b>&gt;</b>
40086         PVC         Blue           40140         PVC         Black           40240         PTFE         White           40260         PVC         Black           4041         PVC         Grey           4050         PVC         Black           4080         PVC         Grey           417920         PVC         Grey           4221         PVC         Black           4260         PTFE         White           4280         PVC         Black           80080         PVC         Grey           80082         PVC         Red           80084         PVC         Black	340 150	PVC	Grey	
40140 PVC Black  40240 PTFE White  40260 PVC Black  4041 PVC Grey  4050 PVC Black  4080 PVC Grey  417920 PVC Grey  4220 PVC Black  4221 PVC Black  4260 PTFE White  4280 PVC Grey  4280 PVC Black  4080 PVC Black	40080	PVC	Black	
40240 PTFE White  40260 PVC Black  4041 PVC Grey  4050 PVC Grey  417920 PVC Grey  4220 PVC Black  4221 PVC Black  4260 PTFE White  4280 PVC Black  80080 PVC Grey  80082 PVC Red  80084 PVC Black	40086	PVC	Blue	
40260 PVC Black  4041 PVC Grey  4050 PVC Black  4080 PVC Grey  417920 PVC Grey  4220 PVC Black  4221 PVC Black  4260 PTFE White  4080 PVC Grey  4280 PVC Black  80080 PVC Black  80082 PVC Red  80084 PVC Black	40140	PVC	Black	
4041 PVC Grey  4050 PVC Black  4080 PVC Grey  417920 PVC Grey  4220 PVC Black  4221 PVC Black  4260 PTFE White  4280 PVC Grey  80080 PVC Grey  80082 PVC Red  81080 PVC Black	40240	PTFE	White	<b>≥</b>
4050 PVC Black  4080 PVC Grey  417920 PVC Grey  4220 PVC Black  4221 PVC Black  4260 PTFE White  4280 PVC Black  80080 PVC Grey  80082 PVC Red  80084 PVC Black	40260	PVC	Black	16
4080 PVC Grey  417920 PVC Black  4220 PVC Black  4221 PVC Black  4260 PTFE White  4280 PVC Grey  80080 PVC Grey  80082 PVC Red  80084 PVC Black	4041	PVC	Grey	€
417920 PVC Grey  4220 PVC Black  4221 PVC Black  4260 PTFE White  4280 PVC Black  80080 PVC Grey  80082 PVC Red  80084 PVC Black	4050	PVC	Black	<b>&gt;</b> ■
4220 PVC Black  4221 PVC Black  4260 PTFE White  4280 PVC Black  80080 PVC Grey  80082 PVC Red  80084 PVC Black	4080	PVC	Grey	
4221 PVC Black  4260 PTFE White  4280 PVC Black  80080 PVC Grey  80082 PVC Red  80084 PVC Black	417920	PVC	Grey	
4260 PTFE White  4280 PVC Black  80080 PVC Grey  80082 PVC Red  80084 PVC Black	4220	PVC	Black	
4280 PVC Black  80080 PVC Grey  80082 PVC Red  80084 PVC Black	4221	PVC	Black	
80080 PVC Grey 80082 PVC Red 80084 PVC Black	4260	PTFE	White	<b>&gt;</b> □
80082 PVC Red 80084 PVC Black	4280	PVC	Black	R. C.
80084 PVC Black	80080	PVC	Grey	
	80082	PVC	Red	
CTR.75.030.121870G PVC Grey	80084	PVC	Black	
	CTR.75.030.121870G	PVC	Grey	

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