



## 400Hz Aircraft Connectors

### INTRODUCTION

Cavotec is a leading company for aircraft connectors used worldwide. The Cavotec 400Hz aircraft connectors are available in a wide variety.

### ADVANTAGES

- Robust design
- Highly abrasion and chemical resistant material for housing: cross linked thermoplastic
- All contacts sealed with water proof resin
- Operating temperature range -65°C to +125°C (-85°F to +257°F)
- All parts are replaceable

### MAIN COMPONENTS

- Connector front part replacable
- Replaceable silver plated contacts
- Contact holder
- Fixed silver plated contacts (A,B,C,N,E,F)
- Connector half housing
- Replaceable push-buttons
- Single LEDs
- Replaceable pilot contact

### OPTIONS

- Micro switch: signals contact closed when connector at least 80% engaged, ensures voltage is applied only when proper mechanical connection is established
- LED: show connection status
- Control buttons: let operator control 400Hz supply and cable coiler directly at connector
- Temperature sensors: in contacts A, B and C prevent connector from overheating



400 XPV



XP4



400 XPS



## TECHNICAL CHARACTERISTICS & CONFIGURATION EXAMPLES

Nominal voltage: 115/200V, 400Hz  
 Current carrying capacity: 260A / 90kVA  
 Current overload: 700A / 3 min  
 Test voltage: 4kV  
 Micro switch: max. 30V DC, 0.5A  
 Operating temperature: -65°C to +125°C (-85°F to +257°F)  
 Protection class: IP67 for mounted connector  
 Push and pull forces: acc. to DIN EN 61984 ≤ 445 N  
 Applicable norms: VG 95319, ISO 461 and MIL-C-7974D, MS 25486, Mates to Mil Spec MS90362 receptacle

Connector version	Buttons		Micro switch	LED	Temp. sensors	Nose configuration		Replaceable contacts	Cable types
	on/off	in/out				long	short		
400XP			0-2	0-2	optional	x		Yes	on request
400XP-2	x		0-2	0-6	optional	x		Yes	on request
400XP-4	x	x	0-2	0-6	optional	x		Yes	on request
400XPS			0-2	0-2	optional		x	No**	on request
400XPV*			2	0	optional	x		Yes	on request
400XPVS			2	0	optional		x	Yes	on request

\* defence version, VG-certified

\*\* custom models available upon request

## TECHNICAL DIMENSIONS

