data**sheet**

Aircraft 400Hz Connectors

INTRODUCTION

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

400 XPV

ADVANTAGES

- Robust design
- All parts are replaceable
- 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)

MAIN COMPONENTS

- Connector front part
- Replaceable silver plated contacts
- Contact holder
- Circlip
- Fixed silver plated contacts
- Connector half housing
- Metal sleeve

XP4

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 XPS

![datasheet]

TECHNICAL CHARACTERISTICS & CONFIGURATION EXAMPLES

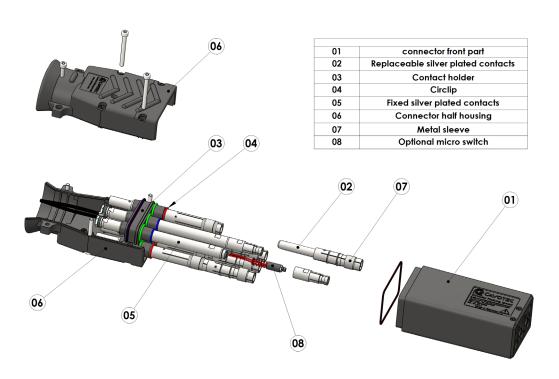|	
Nominal voltage:	115/200V, 400Hz
Current carrying capacity:	260A / 90kVA
Current overload:	700A / 3 min
Test voltage:	4kV
Micro switch:	max. 30V DC, 0,5A
Operating temperature:	-65°C to +125°C (-85°F to +257°F)
Protection class:	IP67 for mounted connector
Push and pull forces:	acc. to DIN EN 61984 ≤ 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

* military version, VG-certified
** custom models available upon request

TECHNICAL DIMENSIONS

01	connector front part
02	Replaceable silver plated contacts
03	Contact holder
04	Circlip
05	Fixed silver plated contacts
06	Connector half housing
07	Metal sleeve
08	Optional micro switch

For further information please visit www.cavotec.com
Disclaimer: specifications are subject to change without notice

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