

# STINGRAY MAGNETIC CONNECTORS

**STINGRAY CONNECTORS** utilize magnetic technology allowing the connector to quickly disconnect making it ideal for quick connection between equipment. The stingray has compact, low profile, metal shelled connectors that withstand exposure to moisture, dust, dirt and chemicals typically encountered by First Responders, Security and Military personnel.



## KEY FEATURES

- Quick disconnect in all angles of separation
- Does not require alignment when mating, the cable exit angle is infinitely variable
- IP68 sealing prevents ingress of dust and moisture
- 'Plug & Play' USB performance
- Low-profile interface with sprung contacts for easy clean and less wear



DESCRIPTION	PART NUMBER
Stingray Kit	016-374

## TECHNICAL SPECIFICATIONS

### ELECTRICAL

CURRENT RATING	5A per contact (5 contacts)
VOLTAGE RATING	11 - 17V
CONTACT RESISTANCE	< 20m
SHELL TO SHELL CONTINUITY	≤4m
INSULATION RESISTANCE	100M @ 100VDC
DWV	200VDC

### MECHANICAL

MATING DURABILITY	>10,000
VIBRATION	General Vibration, Method 514.6 Annex E of MIL-STD-810G, Procedure I, Figure 514.6E-1
SHOCK	Procedure I of Method 516.6, Procedure I of MIL-STD-810G, 40g, 11ms
SEPARATION FORCE, AXIAL	9.7 lbf (43N)
SEPARATION FORCE, PEEL	1.6 lbf (7N)

### ENVIRONMENTAL

SEALING	IP68, 2 hr at 2m
OPERATING TEMP	-55°C/+85°C
STORAGE TEMP	-55°C/+125°C
ROHS/REACH COMPLIANT	Yes