

# PowerCat 6A Shielded Module

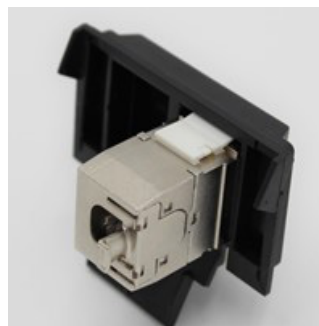
## ABB Tango compatible >



1 Port



2 Port



Straight Entry



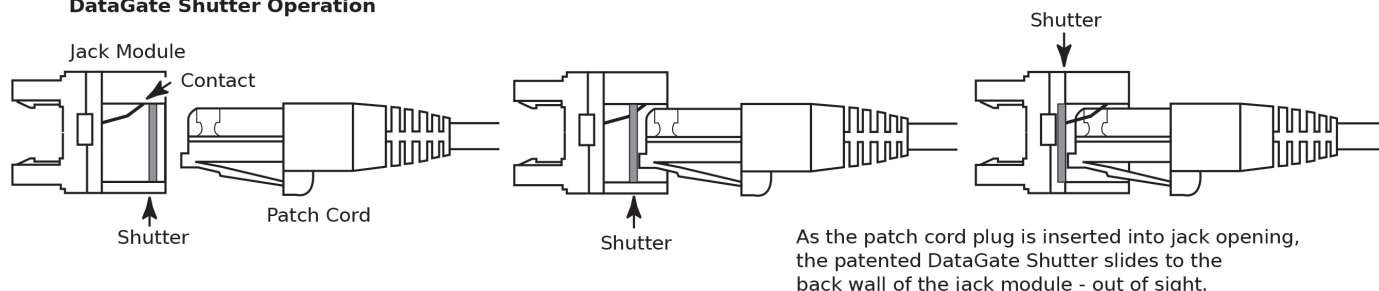
Side Entry

**The Molex PowerCat 6A DataGate shielded ABB Tango module is a key component of the PowerCat 6A shielded end-to-end solution.**

The Molex ABB Tango compatible, work area outlet module features the Molex shielded C6A DataGate Jack offering superior alien crosstalk suppression and enhanced electromagnetic interference (EMI) protection.

The Molex C6A DataGate RJ45 360° shielded jack accommodates flexible cable routing by allowing 90° or 180° cable entry. Side cable entry (90°) is ideal for shallow backboxes and trunking where space is limited and maintaining the C6A cable bend radius is challenging. The jack also features an ingenious spring-loaded internal shutter which protects the jack from dust and contaminants, but also ejects improperly seated patch cords.

### DataGate Shutter Operation



The jack's IDC is dual color coded for either 568A or 568B wiring and backwards compatible with C6 and C5e shielded systems. The IDC's V-shaped contacts are patented and are designed to flex, not fatigue when terminated, for reliable re-termination and longevity.

Molex recommends the full range of PowerCat 6A shielded products are deployed in a system to maximize cabling performance. The PowerCat 6A shielded system is compliant with ANSI/TIA-568.2-D-2018 and ISO 11801:2017 for the support of 10GBASE-T.

[www.molex.com/products/copper/cat6A/](http://www.molex.com/products/copper/cat6A/)

# PowerCat 6A Shielded Module

## ABB Tango compatible >

### FEATURES AND ADVANTAGES

Compatible with ABB Tango work outlets

360° shielded C6A DataGate Jack provides superior alien cross-talk suppression and enhanced electromagnetic interference (EMI) protection

Angled design reduces the patch cord bend radius

Dual color coded for either 568A or 568B wiring

IDC V-shaped contacts designed to flex, not fatigue when terminated for reliable termination

Accommodates flexible cable routing by allowing 90° or 180° cable entry

Category 6A system performance when installed as part of the Molex PowerCat 6A shielded system

Spring-loaded internal shutter protects the jack from dust and contaminants and ejects improperly seated patch cords

Molex DataGate Jacks Accommodate solid (AWG 22 to AWG 24) or stranded (AWG 26) cables

### SPECIFICATIONS

#### International Standards

ANSI/TIA-568.2-D-2018

ISO 11801:2017

IEC 60603-7

#### Environmental Standards

RoHS compliant

REACH compliant

#### Physical

RJ45 Connector

Connector Housing:

Zinc Alloy plated bright Ni/Cu

**Operating Life:**

Minimum 750 insertion cycles

**Contact Material:** Copper Alloy

**Contact Plating:**

50μ Gold/ 50μ Nickel minimum

**Contact Force:** 100g minimum

**Plug Retention Force:** 6.8kg minimum

**IDC Connector**

**Jack Housing:** Thermoplastic, UL94V-0

**Operating Life:**

Minimum 20 re-terminations

**Contact Material:** Copper Alloy

**IDC Contact Plating:** Matte Tin

**Contact Force:** 100g minimum

**Wire Accommodation:**

22-24 AWG solid & 26 AWG stranded

**Module Fascia:**

Thermoplastic UL94V-0

#### Electrical/Optical Characteristics

**Interface Resistance:** 20mΩ

**Initial Contact Resistance:** 2.5mΩ

**Insulation Resistance:** >100 MΩ

#### Dimensions

59mm(L) x 47mm(H) x 38mm(D)

### ORDERING INFORMATION

Part No	SAP No	Description
MCZ-00009-04	183010010	PowerCat 1 Port 6A Shielded Module ABB Tango, Black
MCZ-00012-04	183010041	PowerCat 2 Port 6A Shielded Module ABB Tango Black

[www.molex.com/products/copper/cat6A/](http://www.molex.com/products/copper/cat6A/)