

新基业汽车电子创立于1991年，作为中国车用环境控制产品研发与生产的中坚力量，多年来新基业秉承“专注、专心、专一”的经营理念，扎根汽车电子行业，深度研发车用环境控制技术，为各种高水平车用环境及电气控制产品及技术的国际推广和国内应用做出了卓越贡献，尤其是在汽车行业，新基业公司赢得了国内外广大车用空调相关企业的同声赞誉，各种先进的技术和设备在厂家取得了良好的应用，并取得数十项国内外专利，在一定程度上提高了中国车用环控产业的技术水平和竞争实力。

Zhengzhou Newbase Auto Electronics Co., Ltd. is established in 1991. For over 20 years, NEWBASE has developed advanced technology strength, strong production capacity and talents of technology development team. Adhering to the company philosophy Focus, Attention, Professional, NEWBASE devote to leading the vehicle climate control industry. We have made fabulous contribution to the climate control technology development domestic and abroad, while getting high approval from HVAC manufacturer and related enterprises. NEWBASE would be keep going to offer more advance technology and excellent product.

主旨：车用环境控制产品的专业配套和OEM供应；

配套客户：大冷王、SAFKAR、康维特、电装、新同创、劲达、太昌空调、博格思众、贝尔、三电、松芝、宇通客车、金龙客车、三一重工、福田、小金龙、中通客车、神钢、TATA、M&M等。

Main purport: Supply the excellent Vehicle environment control product and advance technology

Partners: Thermo king; SAFKAR; Konveкта; Denso; NTCAC; Kingtech; OPAT; Bergstrom; BEHR; SANDEN; SONGZI; YUTONG BUS; KINGLONG BUS; SANY; FOTON; HIGER; ZHONGTONG PASSENGER CAR; KOBELCO; TATA; Mahindra, etc.

快速的交货与服务：新基业公司的产品透过各级分公司和派出机构向世界各地辐射销售。由熟知客户需求的专业工程师直接面对客户，根据客户的设计要求，和客户一起对产品进行设计和选型，同时有针对性的向客户推荐各种适宜的配套产品。确保用户以最合理的性价比达到最完美的效果。

Fast delivery and service

NEWBASE set the branch office or sales agent around the world. Our engineers would offer you professional technology support. According to the specification of AC system, technical people would help you with model-selection or design suggestion. It helps you to get the most suitable product.

AE技术支持：我们的应用工程师帮助您将您所选用的产品良好的设计和应用到您的系统工程中；同时，他们又具有广泛的汽车产品研发、调试的知识和经验，可以帮助您解决大量的实际设计和应用过程中技术问题。

AE technology support:

Newbase technology support engineers help you to install and test the system, with adequate knowledge and experience in HVAC system, they could help you with kinds of questions about AC system

良好的售后服务：新基业公司良好的技术支持和售后服务，将有助于我们的客户免除任何的后顾之忧；所有的技术支持和售后服务人员都经过严格的专业培训，足以为客户提供各种技术方案，产品选型，技术安装调试，客户培训等服务。

After sale service:

NEWBASE offer super technical support for after sales.

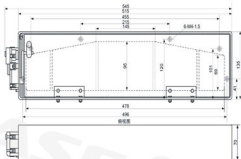
All the after sales technical people are required to take regular technical training. They are knowledgeable enough to release you from the after-sales trouble.

Chapter 7

新风装置

Fresh air damper

XF-1新风总成/XF-1 Fresh Air Damper



★功能说明 Function

XF-1型客车空调新风总成主要用于客车空调新风系统的风门控制功能。ABS材质, 铝塑板材质叶片, 3M过滤棉, 预埋螺母, 密封可靠, 开闭顺滑, 安装简易。

通过接通、切断执行器的控制线(+), 实现空调系统的新风系统的开关目的。

XF-1 fresh air device is used to control the ventilation door of the fresh air device in the bus AC system.

Material: ABS, aluminium-plastic fan, 3M filter, preplaced nut, seal and reliable, turn smoothly and easy assemble.

Turn on/off the fresh air device of AC system by putting through/cutting off the control wire(+)/of the actuator

★应用实例 Application

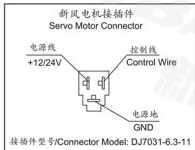
宇通客车、恒通客车
YUTONG BUS, HENG TONG BUS

★可选装的附件/Accessories

1. 装配孔位: 多种规格, 或根据客户要求订制;
2. 电器复合插头: 根据客户要求选配;

1. Assemble: plentiful selection, or customization;
2. Connector: customization.

★电器连接图 Wiring diagram



★技术参数 Technical data

电源 Power supply DC24V/DC12V

功耗 Power 3W

工作电流 Current Max.70mA

电缆 Electrical connection Max.1m X 0.5mm²

转动方向 Direction of rotation CW/CCW

新风门面积 Area of the damper 0.042M²

扭矩 Torque 4kgf.cm

转动时间 Running time 3.5± 0.5 rpm

锁止扭矩 Locked torque 12kgf.cm

锁止电流 Locked current Max.250mA

噪音水平 Noise level Max.43dB(A)

使用温度范围 Ambient temperature -30℃-80℃

存储温度范围 Storage temperature -40℃-85℃

使用寿命 Life Max.500,000 cycle

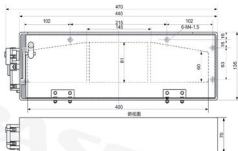
外形尺寸 Dimension 545X135X70mm

重量 Weight 970g

质量体系 Quality certifications TS16949/ISO9001

备注 Memo

XF-2新风总成/XF-2 Fresh Air Damper



★功能说明 Function

XF-2型客车空调新风总成主要用于客车空调新风系统的风门控制功能。

ABS材质，铝塑板材质叶片，3M过滤棉，预埋螺母，密封可靠，开闭顺滑，安装简易。通过接通、切断执行器的控制线(+)，实现空调系统的新风系统的开关目的。

XF-2 fresh air device is used to control the ventilation door of the fresh air device in the bus AC system.

Material: ABS, aluminium-plastic fan, 3M filter, preplaced nut, seal and reliable, turn smoothly and easy assemble.

Turn on/off the fresh air device of AC system by putting through/cutting off the control wire automatically.

★应用实例 Application

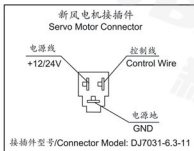
宇通客车
YUTONG BUS

★可选装的附件/Accessories

1. 装配孔位：多种规格，或根据客户要求订制；
2. 电器复合插头：根据客户要求选配；

1. Assemble: plentiful selection, or customization;
2. Connector: customization.

★电器连接图 Wiring diagram



★技术参数 Technical data

电源 Power supply DC24V/DC12V

功耗 Power 3W

工作电流 Current Max.70mA

电缆 Electrical connection Max.1m X 0.5mm²

转动方向 Direction of rotation CW/CCW

新风门面积 Area of the damper 0.03M²

扭矩 Torque 4kgf.cm

转动时间 Running time 3.5± 0.5 rpm

锁止扭矩 Locked torque 12kgf.cm

锁止电流 Locked current Max.250mA

噪音水平 Noise level Max.43dB(A)

使用温度范围 Ambient temperature -30℃-80℃

存储温度范围 Storage temperature -40℃-85℃

使用寿命 Life Max.500,000 cycle

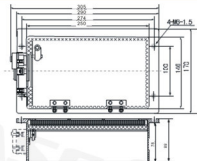
外形尺寸 Dimension 470X135X70mm

重量 Weight 560g

质量体系 Quality certifications TS16949/ISO9001

备注 Memo

XF-3新风总成/XF-3 Fresh Air Damper



★功能说明 Function

XF-3型客车空调新风总成主要用于客车空调新风系统的风门控制功能。

ABS材质。铝塑板材质叶片，3M过滤棉，预埋螺母，密封可靠，开闭顺滑，安装简易。通过接通、切断执行器的控制线(+)，实现空调系统的新风系统的开关目的。

XF-3 fresh air device is used to control the ventilation door of the fresh air device in the bus AC system.

Material: ABS, aluminium-plastic fan, 3M filter, preplaced nut, seal and reliable, turn smoothly and easy assemble.
Turn on/off the fresh air device of AC system by putting through/cutting off the control wire

★应用实例 Application

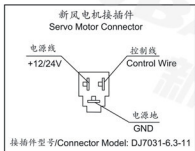
宇通客车、阿尔斯通地铁空调系统、庞巴迪地铁空调系统
YUTONG BUS, RAFERALSTON、BOMBARDIER

★可选装的附件/ Accessories

1. 装配孔位: 多种规格, 或根据客户要求订制;
2. 电器复合插头: 根据客户要求造配;

1. Assemble: plentiful selection, or customization;
2. Connector: customization.

★电器连接图 Wiring diagram



★技术参数 Technical data

电源 Power supply DC24V/DC12V

功耗 Power 3W

工作电流 Current Max.70mA

电缆 Electrical connection Max. 1m X 0.5mm²

转动方向 Direction of rotation CW/CCW²

新风门面积 Area of the damper 0.03M

扭矩 Torque 4kgf.cm

转动时间 Running time 3.5± 0.5 rpm

锁止扭矩 Locked torque 12kgf.cm

锁止电流 Locked current Max.250mA

噪音水平 Noise level Max.43dB(A)

使用温度范围 Ambient temperature -30℃-80℃

存储温度范围 Storage temperature -40℃-85℃

使用寿命 Life Max.500,000 cycle

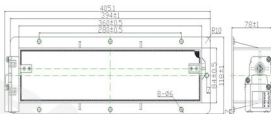
外形尺寸 Dimension 305X170X86mm

重量 Weight 750g

质量体系 Quality certifications TS16949/ISO9001

备注 Memo

XF-4新风总成/XF-4 Fresh Air Damper



★功能说明 Function

XF-4型客车空调新风总成主要用于客车空调新风系统的风门控制功能。

ABS材质，铝塑板材质叶片，3M过滤棉，预埋螺母，密封可靠，开闭顺滑，安装简单。通过接通、切断执行器的控制线(+)，实现空调系统的开关目的。

XF-4 fresh air device is used to control the ventilation door of the fresh air device in the bus AC system.

Material: ABS, aluminium-plastic fan, 3M filter, preplaced nut, seal and reliable, turn smoothly and easy assemble.
Turn on/off the fresh air device of AC system by putting through/cutting off the control wire

★应用实例 Application

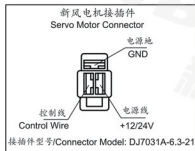
宇通客车、大金龙
YUTONG BUS, KINGLONG BUS

★可选装的附件/ Accessories

1. 装配孔位: 多种规格, 或根据客户要求订制;
2. 电器复合插头: 根据客户要求选配;

1. Assemble: plentiful selection, or customization;
2. Connector: customization.

★电器连接图 Wiring diagram



★技术参数 Technical data

电源 Power supply DC24V/DC12V

功耗 Power 3W

工作电流 Current Max.70mA

电缆 Electrical connection Max.1m X 0.5mm²

转动方向 Direction of rotation CW/CCW

新风门面积 Area of the damper 0.03M²

扭矩 Torque 4kgf.cm

转动时间 Running time 3.5± 0.5 rpm

锁止扭矩 Locked torque 12kgf.cm

锁止电流 Locked current Max.250mA

噪音水平 Noise level Max.43dB(A)

使用温度范围 Ambient temperature -30℃-80℃

存储温度范围 Storage temperature -40℃-85℃

使用寿命 Life Max.500,000 cycle

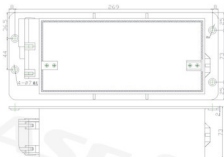
外形尺寸 Dimension 405X118X78mm

重量 Weight 560g

质量体系 Quality certifications TS16949/ISO9001

备注 Memo

XF-5新风总成/XF-5 Fresh Air Damper



★功能说明 Function

XF-5型客车空调新风总成主要用于客车空调的新风系统的风门控制功能。

ABS材质，铝塑板材质叶片，3M过滤棉，预埋螺母，密封可靠，开闭顺滑，安装简易。通过接通、切断执行器的控制线(+)，实现空调系统的新风系统的开关目的。

XF-5 fresh air device is used to control the ventilation door of the fresh air device in the bus AC system.

Material: ABS, aluminium-plastic fan, 3M filter, preplaced nut, seal and reliable, turn smoothly and easy assemble. Turn on/off the fresh air device of AC system by putting through/cutting off the control wire

★应用实例 Application

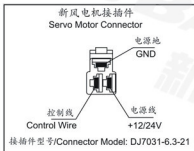
宇通客车、申龙客车
YUTONG BUS, SHENLONG BUS, SAFKAR

★可选装的附件/ Accessories

1. 装配孔位: 多种规格, 或根据客户要求订制;
2. 电器复合插头: 根据客户要求选配;

1. Assemble: plentiful selection, or customization;
2. Connector: customization.

★电器连接图 Wiring diagram



★技术参数 Technical data

电源 Power supply DC24V/DC12V

功耗 Power 3W

工作电流 Current Max.58mA

电缆 Electrical connection Max. 1m X 0.5mm²

转动方向 Direction of rotation CW/CCW

新风门面积 Area of the damper 0.03M²

扭矩 Torque 3.8kgf.cm

转动时间 Running time 3.5±0.5 rpm

锁止扭矩 Locked torque 12kgf.cm

锁止电流 Locked current Max.250mA

噪音水平 Noise level Max.43dB(A)

使用温度范围 Ambient temperature -30℃-80℃

存储温度范围 Storage temperature -40℃-85℃

使用寿命 Life Max.500,000 cycle

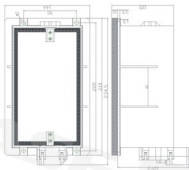
外形尺寸 Dimension 285X123X70mm

重量 Weight 550g

质量体系 Quality certifications TS16949/ISO9001

备注 Memo

XF-6新风总成/XF-6 Fresh Air Damper



★功能说明 Function

XF-6型客车空调新风总成主要用于客车空调的新风系统的风门控制功能。

ABS材质，铝塑板材质叶片，3M过滤棉，预埋螺母，密封可靠，开闭顺滑，安装简易。通过接通、切断执行器的控制线(+)，实现空调系统的新风系统的开关目的。

XF-6 fresh air device is used to control the ventilation door of the fresh air device in the bus AC system.

Material: ABS, aluminium-plastic fan, 3M filter, preplaced nut, seal and reliable, turn smoothly and easy assemble.

Turn on/off the fresh air device of AC system by putting through/cutting off the control wire

★应用实例 Application

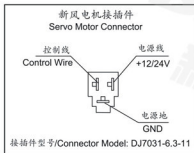
宇通客车、富士空调
YUTONG BUS, DALIAN FUJI

★可选装的附件/Accessories

1. 装配孔位: 多种规格, 或根据客户要求订制;
2. 电器复合插头: 根据客户要求选配;

1. Assemble: plentiful selection, or customization;
2. Connector: customization.

★电器连接图 Wiring diagram



★技术参数 Technical data

电源 Power supply DC24V/DC12V

功耗 Power 3W

工作电流 Current Max.58mA

电缆 Electrical connection Max.1m X 0.5mm²

转动方向 Direction of rotation CW/CCW²

新风门面积 Area of the damper 0.02M²

扭矩 Torque 3.8kgf.cm

转动时间 Running time 3.5± 0.5 rpm

锁止扭矩 Locked torque 12kgf.cm

锁止电流 Locked current Max.250mA

噪音水平 Noise level Max.43dB(A)

使用温度范围 Ambient temperature -30℃-80℃

存储温度范围 Storage temperature -40℃-85℃

使用寿命 Life Max.500,000 cycle

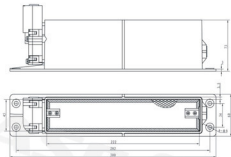
外形尺寸 Dimension 235X144X121mm

重量 Weight 570g

质量体系 Quality certifications TS16949/ISO9001

备注 Memo

XF-7新风总成/XF-7 Fresh Air Damper



★功能说明 Function

XF-7型客车空调新风总成主要用于客车空调的新风系统的风门控制功能。

ABS材质，铝塑板材质叶片，3M过滤棉，预埋螺母，密封可靠，开闭顺滑。安装简易。通过接通、切断执行器的控制线(+)，实现空调系统的新风系统的开关目的。

XF-7 fresh air device is used to control the ventilation door of the fresh air device in the bus AC system.

Material: ABS, aluminum-plastic fan, 3M filter, preplaced nut, seal and reliable, easy assemble.

Turn on/off the fresh air device of AC system by putting through/cutting off the control wire

★应用实例 Application

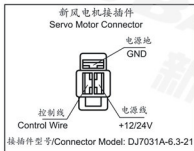
宇通客车、柳工、土耳其TEMESA客车
YUTONG BUS, LIUGONG, TURKEY TEMSA BUS

★可选装的附件/ Accessories

1. 装配孔位: 多种规格, 或根据客户要求订制;
2. 电器复合插头: 根据客户要求选配;

1. Assemble: plentiful selection, or customization;
2. Connector: customization.

★电器连接图 Wiring diagram



★技术参数 Technical data

电源 Power supply DC24V/DC12V

功耗 Power 3W

工作电流 Current Max.58mA

电缆 Electrical connection Max. 1m X 0.5mm²

转动方向 Direction of rotation CW/CCW

新风门面积 Area of the damper 0.01M²

扭矩 Torque 3.8kgf.cm

转动时间 Running time 3.5± 0.5 rpm

锁止扭矩 Locked torque 12kgf.cm

锁止电流 Locked current Max.250mA

噪音水平 Noise level Max.43dB(A)

使用温度范围 Ambient temperature -30℃-80℃

存储温度范围 Storage temperature -40℃-85℃

使用寿命 Life Max.500,000 cycle

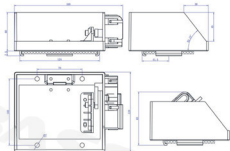
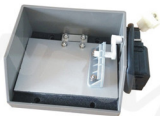
外形尺寸 Dimension 300X60X73mm

重量 Weight 350g

质量体系 Quality certifications TS16949/ISO9001

备注 Memo

XF-8新风总成/XF-8 Fresh Air Damper



★功能说明 Function

XF-8型客车空调新风总成主要用于客车空调的新风系统的风门控制功能。

ABS材质，铝塑板材质叶片，3M过滤棉，预埋螺母，密封可靠，开闭顺滑。安装简易。通过接通、切断执行器的控制线(+)，实现空调系统的新风系统的开关目的。

XF-7fresh air device is used to control the ventilation door of the fresh air device in the bus AC system.

Material: ABS, aluminium-plastic fan, 3M filter, preplaced nut, seal and reliable, easy assemble.

Turn on/off the fresh air device of AC system by putting through/cutting off the control wire

★应用实例 Application

宇通客车、柳工、土耳其TEMSA客车

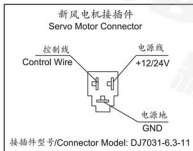
YUTONG BUS, LIUGONG, TURKEY TEMSA BUS

★可选装的附件/ Accessories

1. 装配孔位: 多种规格, 或根据客户要求订制;
2. 电器复合插头: 根据客户要求造配;

1. Assemble: plentiful selection, or customization;
2. Connector: customization.

★电器连接图 Wiring diagram



★技术参数 Technical data

电源 Power supply DC24V/DC12V

功耗 Power 3W

工作电流 Current Max.58mA

电缆 Electrical connection Max.1m X 0.5mm²

转动方向 Direction of rotation CW/CCW

新风门面积 Area of the damper 0.01M²

扭矩 Torque 3.8kgf.cm

转动时间 Running time 3.5+ 0.5 rpm

锁止扭矩 Locked torque 12kgf.cm

锁止电流 Locked current Max.250mA

噪音水平 Noise level Max.43dB(A)

使用温度范围 Ambient temperature -30℃-80℃

存储温度范围 Storage temperature -40℃-85℃

使用寿命 Life Max.500,000 cycle

外形尺寸 Dimension 169X124X67.5mm

重量 Weight 300g

质量体系 Quality certifications TS16949/ISO9001

备注 Memo

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