



RODLESS CYLINDERS

MCRPL series Bore size : $\phi 16 \sim \phi 40$

MCRPLF series Bore size : $\phi 16 \sim \phi 63$

- Magnetic piston standard.
- 50% space-savings.
- End caps with 3 air connections and adjustable cushioning.



MAGNETICALLY COUPLED RODLESS CYLINDER

MCRPM series (Without switch type)
Bore size : $\phi 20 \sim \phi 40$

MCRPMD series (With switch type)
Bore size : $\phi 20, \phi 25$

MCRPMS series (With / Without switch type)
Bore size : $\phi 20, \phi 25$

- 50 % space saving.
- Magnetic transit design. Magnetic force transmits the movement with piston side magnet and slider magnet.
- Stainless tube, light weighted and durable.
- All series are without switch types.



WITH LINEAR GUIDE

MCRPLK series Bore size : $\phi 16 \sim \phi 40$

- 50% space saving when compared to conventional cylinders.
- End caps with 3 air connections and adjustable cushioning.
- Load strength is higher than MCRPLF series (about 4 Multiple).



BELT DRIVEN UNITS

METB series

Size : $\square 42 \sim \square 80$



ELECTRIC ACTUATOR

MEAT series

Size : 25



DISTRIBUTED CONTROL SYSTEM

MA-118* series

- Support start-up screen (108×64 pixels)
- Password protection, copy protection.
- 36 integrated function, pre-tested functions.
- Linking of 1024 function block is possible.
- Flexibly expandable up to 10000 points.



INDUSTRIAL COMMUNICATION

MA-15 series**

- Auto tuner baud rate, 300~115200bps.
- 3000 VDC isolation protection.
- ESD protection.
- No external power supply (USB type)
- Fully compliant with USB 1.1 / 2.0



REMOTE MODULES

MA-10 series**

- RS-485 Interface.
- Supports Modbus RTU / ASCII.
- Isolation voltage: 5000 VDC.
- Dual watchdog timer.
- Surge, EFT and ESD protection.



RADIO REMOTE MODULES

MA-3016 series

- Frequency control: Crystal
- Low power indicator.
- Operation range: up to 100 meters.
- Supports Modbus RTU / ASCII.
- Free PC software Mindman Utility.



TEXT PANEL

MATP series

- Plug-and-Play.
- Support start-up screen.
- RS-485 Interface.
- Full support MA-1188/1189 series controller.
- Resolution : 192×64 pixels.
- Dual watchdog timer.
- Brightness : 60cd/m²

