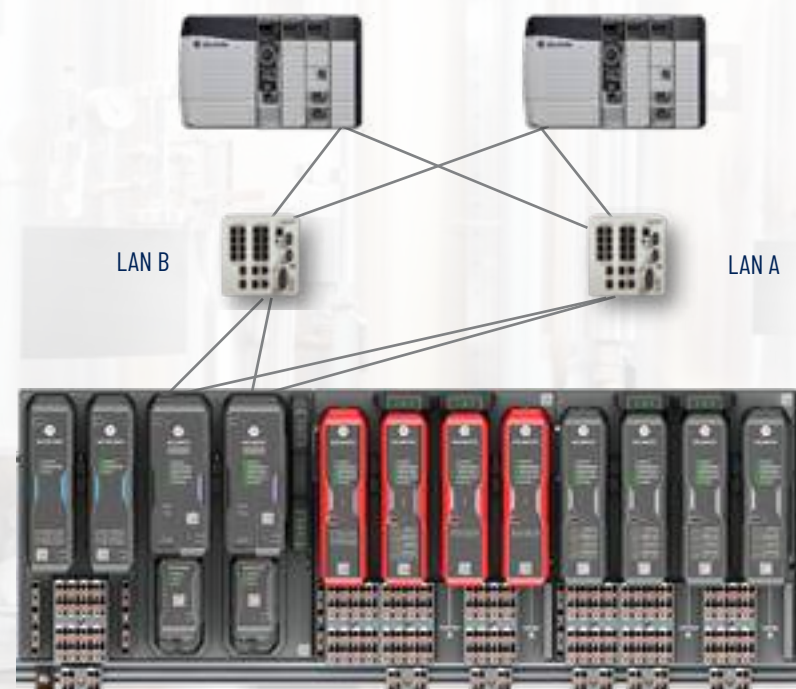


FLEXHA 5000 I/O

Flexible I/O platform enabling integrated control for your Connected Enterprise® production system

FLEXHA 5000™ I/O is a reliable and flexible distributed I/O solution, allowing you to choose your I/O to meet your operational needs. This platform will allow for integrated safety I/O and base process control I/O to be conveniently mounted in the same rack which reduces hardware complexity and cost. All modules will be TUV certified to SIL3. FLEXHA 5000 I/O enhances communication with 1 Gb EtherNet/IP™ connectivity, offering higher speed and increased bandwidth. Ease of communication is optimized with multiple network topology options such as Parallel Redundancy Protocol (PRP), Device Level Ring (DLR), Linear and Star. A defense in depth security strategy is achieved with module vendor certificates, firmware encryption and secure boot functionality.



Flexibility in design and maintenance

- Optimize footprint by mounting up to 24 I/O modules on a single node, vertically or horizontally, and in any module sequence
- Operate at -40...70 °C (-40...158 °F) temperatures and in extreme environments up to GX rating with conformal coating
- Use in hazardous areas under Class I, Division 2, Zone 2, and Groups A, B, C, D
- Reduce downtime with simplified Removal and Insertion Under Power (RIUP) and easy online changes

Ready for process applications

- Gain support for ControlLogix® 5580 controller redundancy in high availability applications from Studio 5000 Logix Designer® software (version 35 or later) and deliver more consistent operations with increased reliability
- Reduce downtime with easy access to additional process diagnostics via HART Premier Integration in Studio 5000 Logix Designer software
- Save engineering time through tight integration with instruction set in the PlantPax® system

Universal I/O

- FLEXHA 5000 I/O contains a universal card option that allows for flexibility in I/O choice. This I/O choice is configurable per channel within Studio 5000® software (version 35 or later) as analog (HART capable) or discrete, input or output
- Modules can be configured in simplex or duplex

**Discover Logix
redundant control
solutions**

Base kits

Description	Catalog number
FLEXHA 5000 adapter base kit includes: (1) adapter base, (2) adapters, (2) power conditioners, (2) PC RTB, (2) interface modules, (1) GND lug, (1) end cap, (1) RTB for diagnostics, (1) SA cover (media landing cards sold separately)	5015-A2AKITXT
FLEXHA 5000 4 slot I/O base kit includes: (1) 4 slot base, (2) backplane interface modules (I/O and RTBs sold separately)	5015-A4IOKITXT
FLEXHA 5000 bank expansion kit includes: (1) bank expansion base right, (1) bank expansion base left, (2) power cables, (2) comm cables, (1) SA power cover, (1) GND lug	5015-BEKITXT

A4IOKIT



A2AKIT



Media landing cards sold separately

Bases, adapters and power conditioners

Specifications	Catalog number
FLEXHA 5000 dual adapter base	5015-A2AXT <i>*Included in kit above.</i>
FLEXHA 5000 4 slot I/O base	5015-A4IOXT <i>*Included in kit above.</i>
EtherNet/IP adapter, comm status LEDs, diagnostic module, fault tolerant capable	5015-AENFTXT <i>*Included in kit above.</i>
Media landing card, redundant, (2) RJ45 connectors, communication status LEDs, diagnostic module	5015-MLTRXT
Media landing card, redundant (2) SFP modules, communication status LEDs, diagnostic module	5015-MLSFPRXT
Media landing FLEXHA 5000 accessory, slot filler	5015-N2MLXT
Power conditioner FLEXHA 5000 accessory, 24VDC, 100W, status LEDs, diagnostic module, fault tolerant capable	5015-PB100FTXT <i>*Included in kit above.</i>
Backplane interface module FLEXHA 5000 accessory, status LEDs, diagnostic module, fault tolerant capable	5015-BIMXT <i>*Included in kit above.</i>
FLEXHA 5000 end cap/terminator	5015-ECRXT <i>*Included in kit above.</i>

I/O module

Description	Catalogue
Universal 8 isolated HART	5015-U8IHFTXT

Refer to technical data for more details.

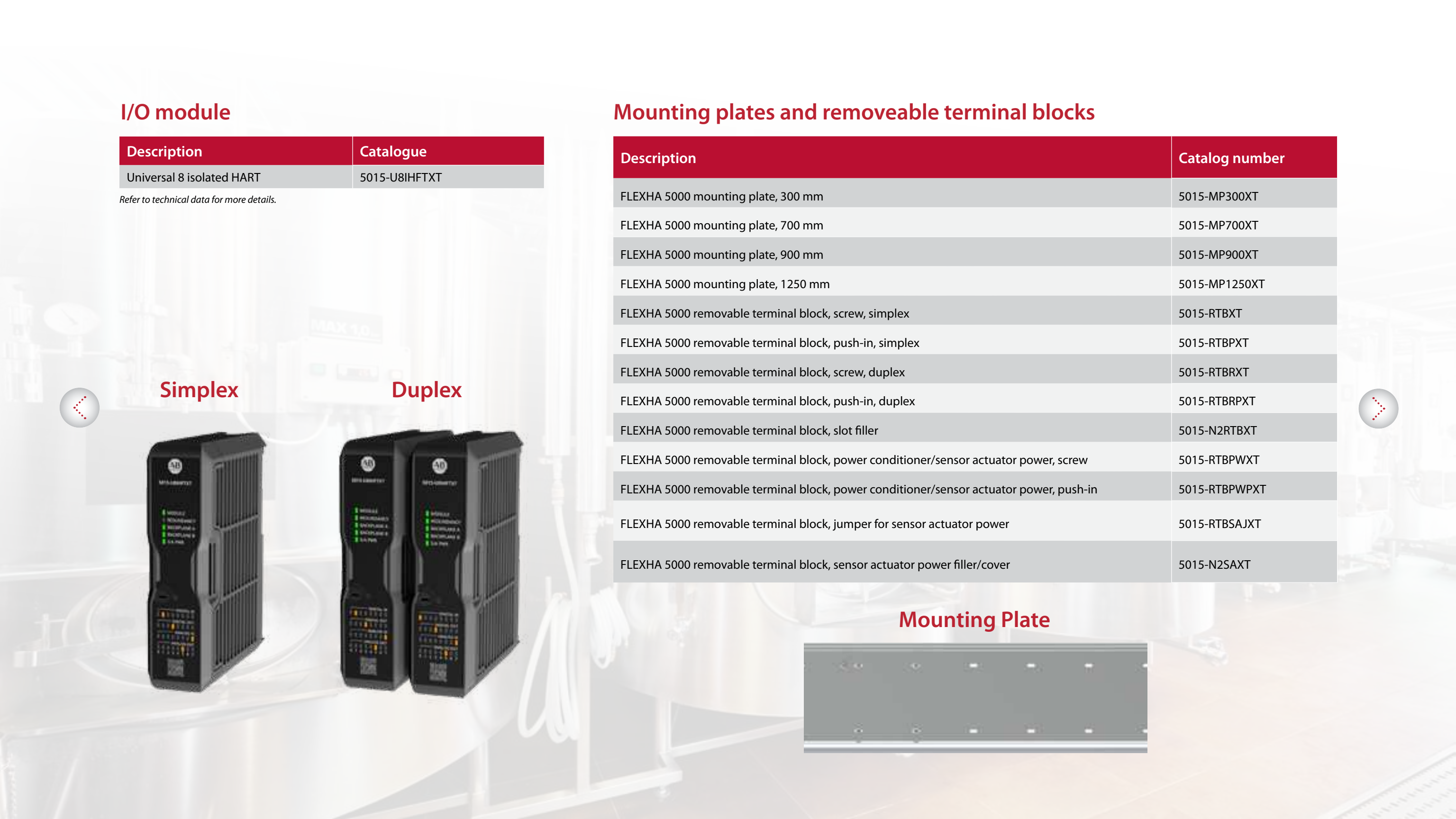
Mounting plates and removeable terminal blocks

Description	Catalog number
FLEXHA 5000 mounting plate, 300 mm	5015-MP300XT
FLEXHA 5000 mounting plate, 700 mm	5015-MP700XT
FLEXHA 5000 mounting plate, 900 mm	5015-MP900XT
FLEXHA 5000 mounting plate, 1250 mm	5015-MP1250XT
FLEXHA 5000 removable terminal block, screw, simplex	5015-RTBXT
FLEXHA 5000 removable terminal block, push-in, simplex	5015-RTBPXT
FLEXHA 5000 removable terminal block, screw, duplex	5015-RTBRXT
FLEXHA 5000 removable terminal block, push-in, duplex	5015-RTBRPXT
FLEXHA 5000 removable terminal block, slot filler	5015-N2RTBXT
FLEXHA 5000 removable terminal block, power conditioner/sensor actuator power, screw	5015-RTBPWXT
FLEXHA 5000 removable terminal block, power conditioner/sensor actuator power, push-in	5015-RTBPWPXT
FLEXHA 5000 removable terminal block, jumper for sensor actuator power	5015-RTBSAJXT
FLEXHA 5000 removable terminal block, sensor actuator power filler/cover	5015-N2SAXT

Simplex

Duplex

Mounting Plate



System specifications

Specifications	Adapter bank	I/O bank
Dimension (HxWxD)	242 x 240 x 136 mm (9.53 x 9.45 x 5.35 in.)	242 x 192 x 136 mm (9.53 x 7.56 x 5.35 in.)
Operating temperature Horizontal Vertical	-40...70 °C (-40...158 °F) horizontal Horizontal mounting only	-40...70 °C (-40...158 °F) horizontal -40...60 °C (-40...140 °F) vertical
Storage temperature	-40...85 °C (-40...185 °F)	
Relative humidity	5...95% noncondensing	
Operating shock	15G	
Non-operating shock	15G	
Vibration	2 g @ 10...500 Hz Displacement: 0.030 inch (pp)	

* Refer to 5015 technical data for more details.

Expansion accessories

Description	Catalog number
FLEXHA 5000 bank expansion kit includes: (1) bank expansion base right, (1) bank expansion base left, (2) power cables, (2) comm cables, (1) SA power cover, (1) GND lug	5015-BEKITXT
FLEXHA 5000 backplane extension module, right end	5015-BEBRXT <i>*Included in kit above.</i>
FLEXHA 5000 backplane extension module, left end	5015-BEBLXT <i>*Included in kit above.</i>
FLEXHA 5000 (1 of 2) backplane power extension cable	5015-BECPWRXT <i>*Included in kit above.</i>
FLEXHA 5000 (1 of 2) backplane comms extension cable	5015-BECCOMXT <i>*Included in kit above.</i>

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