

Ethernet Switch eCon 2050-A



Ethernet Switch
IP 30



Advantages

- Flat housing format
- Robust metal housing
- Adapted for mounting onto top hat mounting rail 35 mm according to EN 60 715
- RoHS compliant

General Description

The Ethernet Switch eCon 2050-A can be used in industrial environments and supports Ethernet (10 Mbit/s) and Fast Ethernet (100 Mbit/s). Up to 5 Ethernet devices can be connected via the RJ45-ports.

The Ethernet Switch supports a simple and quickly network diagnostics with integrated LEDs at every port. It works as unmanaged switch in the Store and Forward switching mode and supports Auto-crossing, Auto-negotiation and Auto-polarity.

Identification	Part number	Drawing	Dimensions in mm
<p>eCon 2050-A</p> <p>Ethernet Switch with 5 ports</p> <p>RJ Industrial</p>	20 76 105 3000	<p>The drawing shows the front view of the switch with five RJ45 ports labeled 'Link/Act' and '100bit' for ports 1 through 5. Below the ports is a power input section labeled '24V OV Pwr'. The front view has a width of 46,5 mm. The side view shows a height of 105,4 mm and a depth of 25,5 mm.</p>	<p>105,4</p> <p>25,5</p> <p>46,5</p>

All data represent the current state of development at the time of print and are therefore non-binding.

HARTING reserves the right to modify designs without prior notice.

Technical characteristics

Features

- Auto-crossing
- Auto-negotiation
- Auto-polarity
- Store and Forward switching mode

Ethernet Interface

Number of ports	• 5x 10/100Base-TX, unmanaged
Cable types acc. to IEEE 802.3	• Shielded Twisted Pair (STP) or Unshielded Twisted Pair (UTP), Category 5
Data rate	• 10/100Mbit/s (RJ45)
Maximum cable length	• 100 m (Twisted Pair; with cable Category 5 acc. to EN 50 173-1)
Terminating method	• RJ45 (Twisted Pair)
Diagnostics (via LED)	• Power supply • Status Link - green • Status Data transfer (Act) - green flashing • Data transfer rate (Speed) - 100 Mbit/s: yellow / 10 Mbit/s: OFF
Topology	Line, Star or mixed

Power Supply

Power supply	24 V DC
Permissible range	12 V to 30 V
Current consumption	100 mA (at 24 V DC)
Terminating Power supply	3-pole pluggable contact (24 V; GND; PE)

Design features

Material of housing	Aluminium
Dimensions (W x H x D)	46.5 x 25.5 x 105.4 mm (without connectors)
Degree of protection acc. to DIN 60 529	IP 30

Environmental conditions

Operating temperature	-10 °C to +70 °C
Storage temperature	-40 °C to +85 °C
Relative humidity	30 % to 95 % (non-condensing)

Approvals

cUL



HARTING Electric GmbH & Co. KG

Wilhelm-Harting-Straße 1 | D-32339 Espelkamp | P.O.Box 14 73 | D-32328 Espelkamp

Phone: +49 5772 47-97100 | Fax: +49 5772 47-688 | HARTING.Electric@HARTING.com | www.HARTING.com

2006-08-21

Ethernet switch
IP 30



Advantages

- Flat housing format
- Robust metal housing
- Adapted for mounting onto top hat mounting rail 35 mm according to EN 60 715
- RoHS compliant
- Full Gigabit Ethernet Switch

General Description

The Ethernet Switch eCon 2050-AA can be used in industrial environments and supports Ethernet (10 Mbit/s), Fast Ethernet (100 Mbit/s) and Gigabit Ethernet (1000 Mbit/s). Up to 5 Ethernet devices can be connected via the RJ45-ports.

The Ethernet Switch supports a simple and quickly network diagnostics with integrated LEDs at every port. It works as unmanaged switch in the Store and Forward switching mode and supports Auto-crossing and Auto-negotiation.

Identification	Part number	Drawing	Dimensions in mm
<p>eCon 2050-AA</p> <p>Ethernet Switch with 5 ports RJ Industrial</p>	<p>20 76 105 3001</p>	<p>The drawing shows the front view of the switch with five RJ45 ports labeled 'Link/Act 1' through '5' and '1000bit'. Below the ports is a power input section labeled '24V 0V Per'. The width is dimensioned as 46,5 mm. The side view shows a height of 105,4 mm and a depth of 25,5 mm.</p>	<p>105,4</p> <p>25,5</p>

All data represent the current state of development at the time of print and are therefore non-binding.

HARTING reserves the right to modify designs without prior notice.

Technical characteristics

Features

- Auto-crossing
- Auto-negotiation
- Store and Forward switching mode
- Jumbo Frames up to 9728 Bytes
- 4 K Mac addresses

Ethernet Interface

Number of ports	• 5x 10/100/1000Base-TX, unmanaged
Cable types acc. to IEEE 802.3	• Shielded Twisted Pair (STP) or Unshielded Twisted Pair (UTP), Category 5
Data rate	• 10 / 100 / 1000 Mbit/s (RJ45)
Maximum cable length	• 100 m (Twisted Pair; with cable Category 5 acc. to EN 50 173-1)
Terminating method	• RJ45 (Twisted Pair)
Diagnostics (via LED)	• Power supply (PWR1 / PWR2) • Status Link - green • Status Data transfer (Act) - green flashing • Data transfer rate (Speed) - 100 Mbit/s: yellow / 10 Mbit/s: OFF 1000 Mbit/s: green
Topology	Line, Star or mixed

Power Supply

Power supply	24 V DC
Permissible range	12 V to 48 V
Current consumption	250 mA (at 24 V DC)
Terminating Power supply	5-pole pluggable contact (PWR1 + / PWR1 - / PWR2 + / PWR2 - / PE)

Design features

Material of housing	Aluminium
Dimensions (W x H x D)	70 x 25.5 x 105.4 mm (without connectors)
Degree of protection acc. to DIN 60 529	IP 30

Environmental conditions

Operating temperature	-10 °C to +70 °C
Storage temperature	-40 °C to +85 °C
Relative humidity	10 % to 95 % (non-condensing)

Approvals

cUL	(in preparation)
-----	------------------

Ethernet Switch
IP 30



Advantages

- Flat housing format
- Robust metal housing
- Adapted for mounting onto top hat mounting rail 35 mm according to EN 60 715
- RoHS compliant

General Description

The Ethernet Switch eCon 2160-A can be used in industrial environments and supports Ethernet (10 Mbit/s) and Fast Ethernet (100 Mbit/s). Up to 16 Ethernet devices can be connected via the RJ45-ports.

The Ethernet Switch supports a simple and quickly network diagnostics with integrated LEDs at every port. It works as unmanaged switch in the Store and Forward switching mode and supports Auto-crossing, Auto-negotiation and Auto-polarity.

Identification	Part number	Drawing	Dimensions in mm
<p>eCon 2160-A</p> <p>Ethernet Switch with 16 ports</p> <p>RJ Industrial</p>	<p>20 76 116 3000</p>		

All data represent the current state of development at the time of print and are therefore non-binding.

HARTING reserves the right to modify designs without prior notice.

Technical characteristics

Features

- Auto-crossing
- Auto-negotiation
- Auto-polarity
- Store and Forward switching mode

Ethernet Interface

Number of ports	• 16x 10/100Base-TX, unmanaged
Cable types acc. to IEEE 802.3	• Shielded Twisted Pair (STP) or Unshielded Twisted Pair (UTP), Category 5
Data rate	• 10/100Mbit/s (RJ45)
Maximum cable length	• 100 m (Twisted Pair; with cable Category 5 acc. to EN 50 173-1)
Terminating method	• RJ45 (Twisted Pair)
Diagnostics (via LED)	• Power supply • Status Link - green • Status Data transfer (Act) - green flashing • Data transfer rate (Speed) - 100 Mbit/s: yellow / 10 Mbit/s: OFF
Topology	Line, Star or mixed

Power Supply

Power supply	24 V DC
Permissible range	12 V to 48 V
Current consumption	220 mA (at 24 V DC)
Terminating Power supply	5-pole pluggable contact (PWR1 + / PWR1 - / PWR2 + / PWR2 - / PE)

Design features

Material of housing	Aluminium
Dimensions (W x H x D)	120 x 25.5 x 105.4 mm (without connectors)
Degree of protection acc. to DIN 60 529	IP 30

Environmental conditions

Operating temperature	-10 °C to +70 °C
Storage temperature	-40 °C to +85 °C
Relative humidity	10 % to 95 % (non-condensing)

Approvals

cUL	(in preparation)
-----	------------------