

Technical characteristics eCon 2030-A, 2040-A, 2050-A / eCon 2160-A

Ethernet interface RJ45

Number of ports	3x / 4x / 5x / 16x 10/100Base-T(X)
Cable types according to IEEE 802.3	Shielded Twisted Pair (STP) or Unshielded Twisted Pair (UTP), Category 5
Data rate	10 Mbit/s or 100 Mbit/s (RJ45)
Maximum cable length	100 m (Twisted Pair; with Category 5 cable acc. to DIN EN 50 173-1)
Termination	RJ45 (Twisted Pair)
Diagnostics (via LED)	<ul style="list-style-type: none"> • Status Link – Green • Data transfer (Act) – Green flashing • Data transfer rate (Speed) – 100 Mbit/s: Yellow 10 Mbit/s: OFF
Topology	Line, Star or mixed

	eCon 2030-A, 2040-A, 2050-A	eCon 2160-A
Power supply		
Input voltage	24 V DC (12 to 30 V DC)	24 V DC (12 to 48 V DC)
Termination	3-pole pluggable screw contact (24 V; 0; GND)	5-pole pluggable screw contact (PRW1 + / PWR1 - / PWR2 + / PWR2 - / PE)
Diagnostics (via LED)	Power supply - Green	
Design features		
Housing material	Aluminium, anodised	
Dimensions (W x H x D)	46.5 x 105 x 25.5 mm (without connectors)	120 x 105 x 25.5 mm (without connectors)
Degree of protection acc. to DIN 60529	IP 30	
Mounting	35 mm top-hat rail acc. to EN 60 715	
Weight	approx. 0.2 kg	approx. 0.4 kg

Environmental conditions

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

Technical characteristics eCon 2050-AA

Ethernet interface RJ45

Number of ports	5x 10/100/1000Base-T(X)
Cable types according to IEEE 802.3	Shielded Twisted Pair (STP) or Unshielded Twisted Pair (UTP), Category 5
Data rate	10, 100 or 1000 Mbit/s (RJ45)
Maximum cable length	100 m (Twisted Pair; with Category 5 cable acc. to DIN EN 50 173-1)
Termination	RJ45 (Twisted Pair)
Diagnostics (via LED)	<ul style="list-style-type: none"> • Status Link – Green • Data transfer (Act) – Green flashing • Data transfer rate (Speed) – 1000 Mbit/s: Green 100 Mbit/s: Yellow 10 Mbit/s: OFF
Topology	Line, Star or mixed

Power supply

Input voltage	24 V DC (12 to 48 V DC) - redundant
Termination	5-pole pluggable screw contact (PRW1 + / PWR1 - / PWR2 + / PWR2 - / PE)
Diagnostics (via LED)	Power supply (PWR1; PWR2) - Green

Design features

Housing material	Aluminium, anodised
Dimensions (W x H x D)	70 x 105 x 25.5 mm (without connectors)
Degree of protection acc. to DIN 60 529	IP 30
Mounting	35 mm top-hat rail acc. to EN 60 715
Weight	approx. 0.4 kg

Environmental conditions

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



Ethernet Switch HARTING eCon 2030-A

3-port Ethernet Switch for flat mounting onto top-hat mounting rail in control cabinets

Unmanaged	IP 30	PROFINET compatible <input checked="" type="checkbox"/>	EtherNet/IP compatible <input type="checkbox"/>
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Number of ports, Copper / Termination	3x 10/100Base-T(X) / RJ45 (Twisted Pair)
Input voltage / Termination	24 V DC / 3-pole pluggable screw contact (24 V; 0; GND)
Permissible range (min/max)	12 V to 30 V DC
Input current	approx. 125 mA (at 24 V DC)
Housing material	Aluminium, anodised
Dimensions (W x H x D)	46.5 x 105 x 25.5 mm (without connectors)
Weight	approx. 0.2 kg
Operating temperature	-10 °C to +70 °C
Approvals	UL 508
MTBF	1 020 000 h

Identification	Part number	Drawing	Dimensions in mm
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<p>HARTING eCon 2030-A</p> <p>Ethernet Switch with 3 RJ45 ports</p>	<p>20 76 103 3000</p>		
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**Ethernet Switch
HARTING eCon 2040-A**

4-port Ethernet Switch for flat mounting onto top-hat mounting rail in control cabinets

Unmanaged	IP 30	PROFINET compatible <input checked="" type="checkbox"/>	EtherNet/IP compatible <input type="checkbox"/>
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Number of ports, Copper / Termination 4x 10/100Base-T(X) / RJ45 (Twisted Pair)

Input voltage / Termination 24 V DC / 3-pole pluggable screw contact (24 V; 0; GND)

Permissible range (min/max) 12 V to 30 V DC

Input current approx. 125 mA (at 24 V DC)

Housing material Aluminium, anodised

Dimensions (W x H x D) 46.5 x 105 x 25.5 mm (without connectors)

Weight approx. 0.2 kg

Operating temperature -10 °C to +70 °C

Approvals UL 508

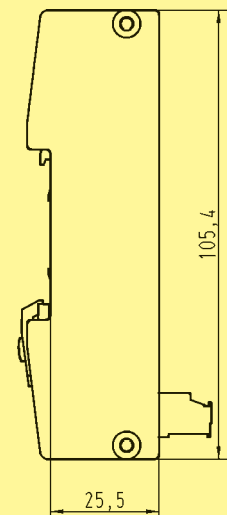
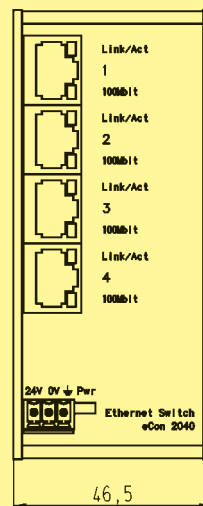
MTBF 1 020 000 h

Identification	Part number	Drawing	Dimensions in mm
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HARTING eCon 2040-A

Ethernet Switch
with 4 RJ45 ports

20 76 104 3000





Ethernet Switch HARTING eCon 2050-A

5-port Ethernet Switch for flat mounting onto top-hat mounting rail in control cabinets

Unmanaged	IP 30	PROFINET compatible <input checked="" type="checkbox"/>	EtherNet/IP compatible <input type="checkbox"/>
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Number of ports, Copper / Termination 5x 10/100Base-T(X) / RJ45 (Twisted Pair)

Input voltage / Termination 24 V DC / 3-pole pluggable screw contact (24 V; 0; GND)

Permissible range (min/max) 12 V to 30 V DC

Input current approx. 125 mA (at 24 V DC)

Housing material Aluminium, anodised

Dimensions (W x H x D) 46.5 x 105 x 25.5 mm (without connectors)

Weight approx. 0.2 kg

Operating temperature -10 °C to +70 °C

Approvals cUL (in preparation)

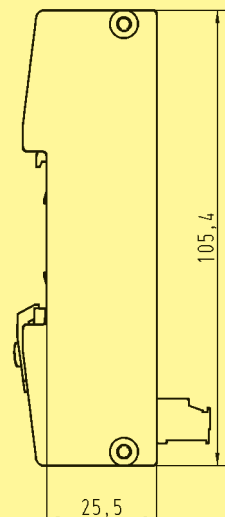
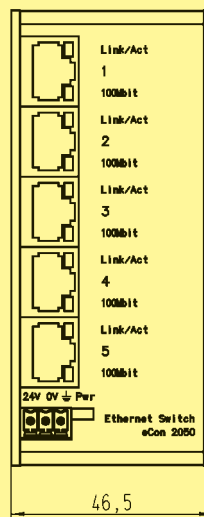
MTBF 1 020 000 h

Identification	Part number	Drawing	Dimensions in mm
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HARTING eCon 2050-A

Ethernet Switch
with 5 RJ45 ports

20 76 105 3000



Ethernet Switch HARTING eCon 2160-A

16-port Ethernet Switch for flat mounting onto top-hat mounting rail in control cabinets



Unmanaged	IP 30	PROFINET compatible <input checked="" type="checkbox"/>	EtherNet/IP compatible <input type="checkbox"/>
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Number of ports, Copper / Termination 16x 10/100Base-T(X) / RJ45 (Twisted Pair)

Input voltage / Termination 24 V DC / 5-pole pluggable screw contact (PRW1 + / PWR1 - / PWR2 + / PWR2 - / PE)

Permissible range (min/max) 12 V to 48 V DC

Input current approx. 220 mA (at 24 V DC)

Housing material Aluminium, anodised

Dimensions (W x H x D) 120 x 105 x 25.5 mm (without connectors)

Weight approx. 0.4 kg

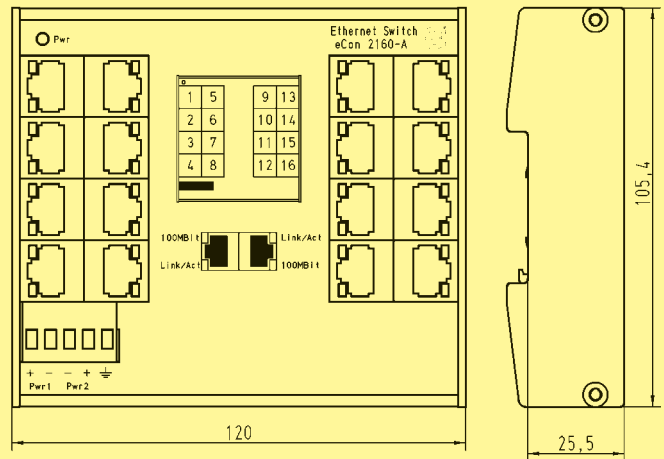
Operating temperature -10 °C to +70 °C

Approvals cUL (in preparation)

Identification	Part number	Drawing	Dimensions in mm
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HARTING eCon 2160-A
Ethernet Switch
with 16 RJ45 ports

20 76 116 3000





**Ethernet Switch
HARTING eCon 2050-AA**

5-port Gigabit Ethernet Switch for flat mounting onto top-hat mounting rail in control cabinets

Unmanaged	IP 30	PROFINET compatible <input checked="" type="checkbox"/>	EtherNet/IP compatible <input type="checkbox"/>
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Number of ports, Copper / Termination 5x 10/100/1000Base-T(X) / RJ45 (Twisted Pair)

Input voltage / Termination 24 V DC / 5-pole pluggable screw contact (PRW1 + / PWR1 - / PWR2 + / PWR2 - / PE)

Permissible range (min/max) 12 V to 48 V DC

Input current approx. 250 mA (at 24 V DC)

Housing material Aluminium, anodised

Dimensions (W x H x D) 70 x 105 x 25.5 mm (without connectors)

Weight approx. 0.4 kg

Operating temperature -10 °C to +70 °C

Approvals cUL (in preparation)

Identification	Part number	Drawing	Dimensions in mm
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HARTING eCon 2050-AA
Gigabit Ethernet Switch with 5 RJ45 ports

20 76 105 3001

