

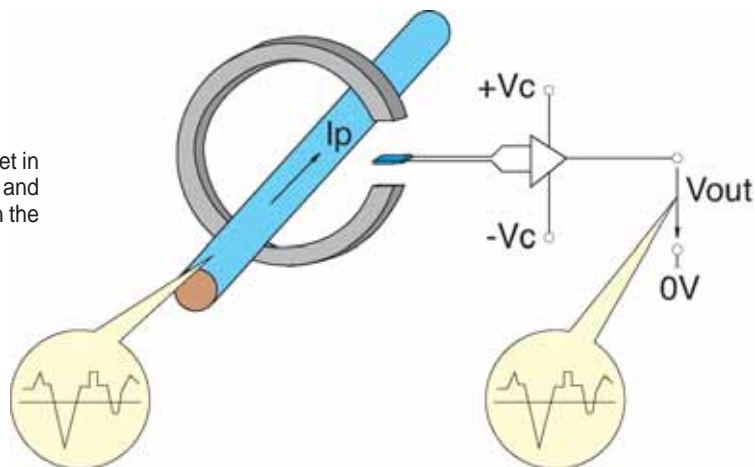
"HALL" EFFECT CURRENT TRANSFORMERS

- Burden: < 2,5VA
- Auxiliary power supply 230VCA (12 - 24 - 48VDC on request)
- Response time 500 msec
- Resistive load 500 ohm max
- Testing voltage: 0,72kV/3kV
- Sealable terminals cover included
- Different characteristics on request
- Positive and negative output (except secondary 4/20mA)

GENERAL DESCRIPTION

- Operative system "Open Loop (O/L)"

The magnetic flux created by primary current I_p , is concentrated in a magnetic circuit and measured on the open part of toroid by a Hall sensor. The signal exiting from this sensor is conditioned in the way to represent exactly the primary current value.

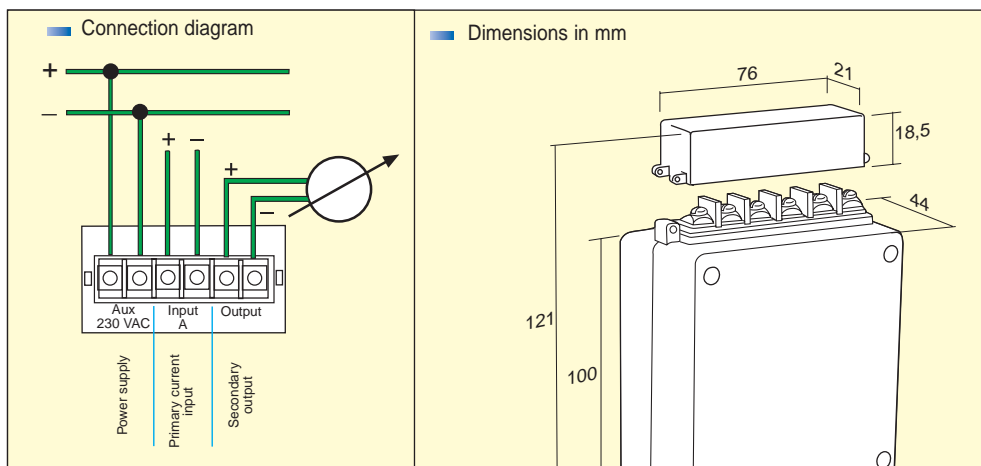


- Function of sensor is based on "Hall effect" physic principle: when a magnetic field is applied in a perpendicular way to a cable, a transverse voltage to the current flux direction is generated (Hall voltage).

- This type on C.T. can be used as alternative to the shunts when high voltages are in the field and it is necessary to have more higher galvanic separations.

TAHPD1

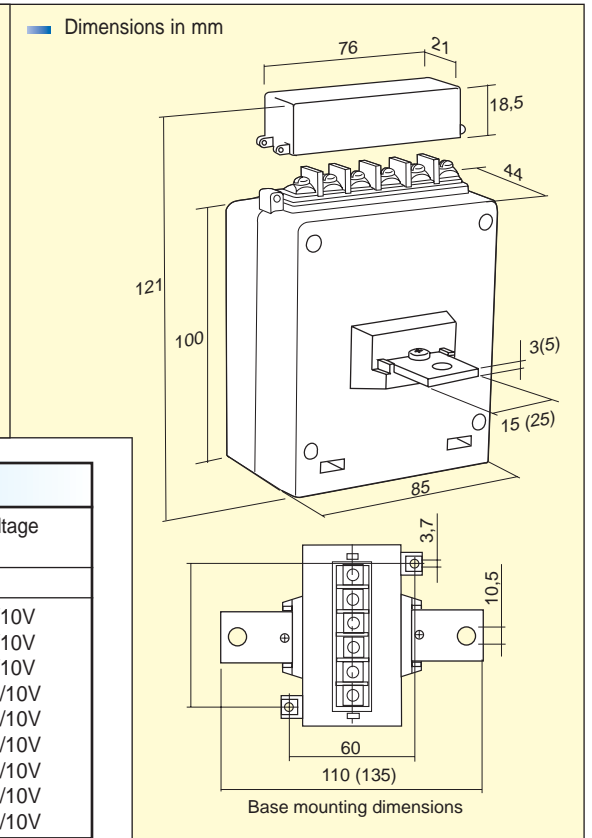
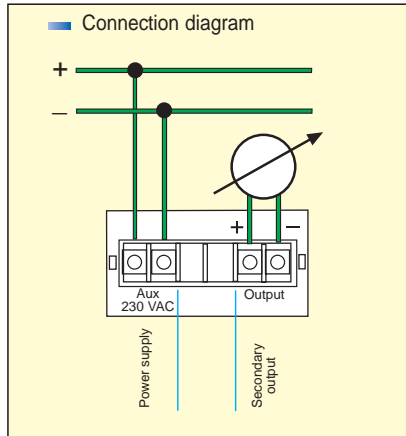
- Transformer with wound primary cable, primary and secondary currents on the terminals
- Fixing system: to wall by accessories supplied together with the current transformer
- Momodirectional output



| A (CC) | kg | class 1 | | |
|-----------------|--------|-------------------|----------------|-------------------|
| | | secondary current | | secondary voltage |
| | | 4/20mA | 20mA | 10V |
| primary current | weight | code | code | code |
| 1 | 0,5 | TAHPD1-1/4-20MA | TAHPD1-1/20MA | TAHPD1-1/10V |
| 5 | | TAHPD1-5/4-20MA | TAHPD1-5/20MA | TAHPD1-5/10V |
| 10 | | TAHPD1-10/4-20MA | TAHPD1-10/20MA | TAHPD1-10/10V |
| 15 | | TAHPD1-15/4-20MA | TAHPD1-15/20MA | TAHPD1-15/10V |
| 20 | | TAHPD1-20/4-20MA | TAHPD1-20/20MA | TAHPD1-20/10V |
| 25 | | TAHPD1-25/4-20MA | TAHPD1-25/20MA | TAHPD1-25/10V |
| 40 | | TAHPD1-40/4-20MA | TAHPD1-40/20MA | TAHPD1-40/10V |

TAHPD2

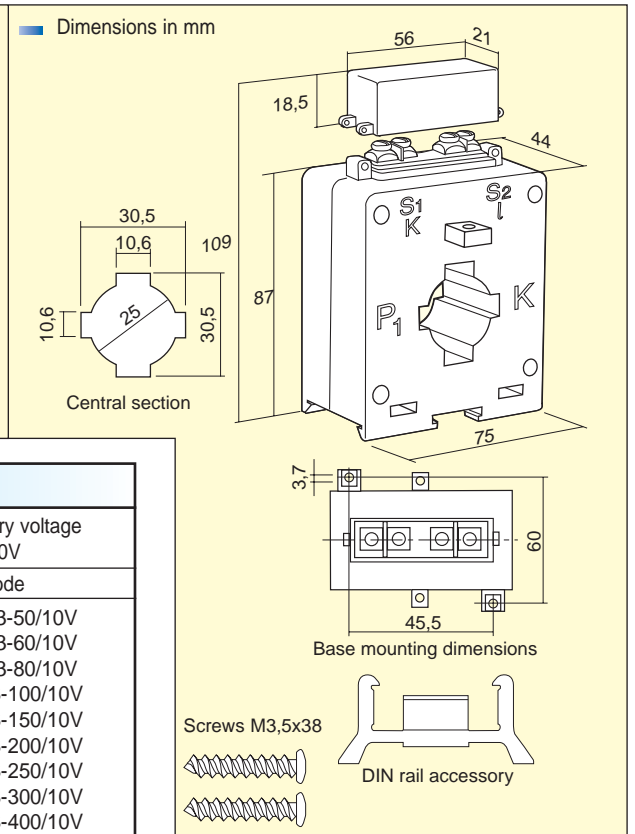
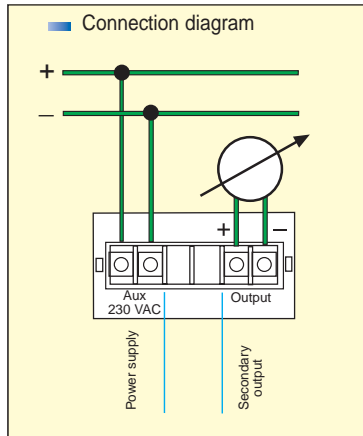
- Fixing system: to wall by accessories supplied together with the current transformer
 - Transformer with wound primary cable, primary current from incorporated central bar
 - 15x3x110 mm up to 200A
 - 25x3x135 mm up to 300A
 - 25x5x135 mm up to 400A
- secondary currents on terminals



| A (CC) | kg | class 1 | | |
|-----------------|-------------------|-------------------|-----------------|-------------------|
| | | secondary current | | secondary voltage |
| | | 4/20mA | 20mA | 10V |
| primary current | weight | code | code | code |
| 50 | 0,5 | TAHPD2-50/4-20MA | TAHPD2-50/20MA | TAHPD2-50/10V |
| 60 | | TAHPD2-60/4-20MA | TAHPD2-60/20MA | TAHPD2-60/10V |
| 80 | | TAHPD2-80/4-20MA | TAHPD2-80/20MA | TAHPD2-80/10V |
| 100 | | TAHPD2-100/4-20MA | TAHPD2-100/20MA | TAHPD2-100/10V |
| 150 | | TAHPD2-150/4-20MA | TAHPD2-150/20MA | TAHPD2-150/10V |
| 200 | | TAHPD2-200/4-20MA | TAHPD2-200/20MA | TAHPD2-200/10V |
| 250 | | TAHPD2-250/4-20MA | TAHPD2-250/20MA | TAHPD2-250/10V |
| 300 | | TAHPD2-300/4-20MA | TAHPD2-300/20MA | TAHPD2-300/10V |
| 400 | TAHPD2-400/4-20MA | TAHPD2-400/20MA | TAHPD2-400/10V | |

TAH4D3

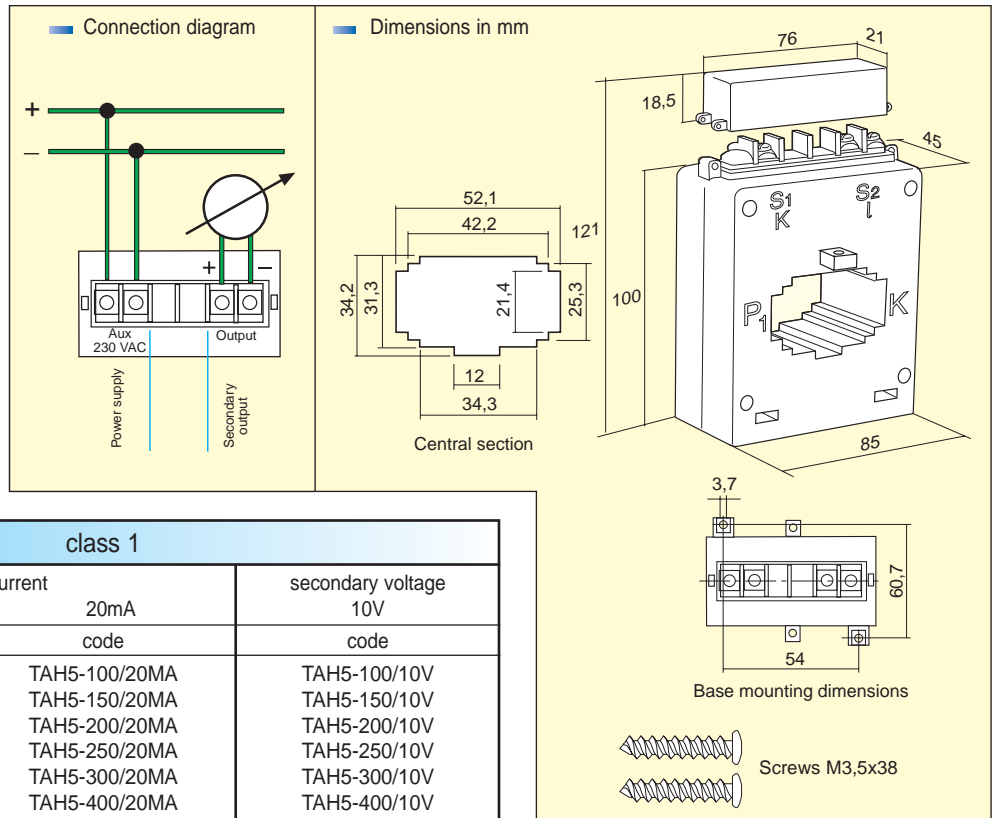
- Transformer suitable for primary current by cable with maximum diameter 25mm or horizontal bar 30x10 mm; vertical bar 30x10 mm
 - Fixing system: - to wall or DIN rail by accessories - directly to cable or busbar by screws
- accessories and screws are supplied together with the current transformers



| A (CC) | kg | class 1 | | |
|-----------------|-------------------|-------------------|-----------------|-------------------|
| | | secondary current | | secondary voltage |
| | | 4/20mA | 20mA | 10V |
| primary current | weight | code | code | code |
| 50 | 0,7 | TAH4D3-50/4-20MA | TAH4D3-50/20MA | TAH4D3-50/10V |
| 60 | | TAH4D3-60/4-20MA | TAH4D3-60/20MA | TAH4D3-60/10V |
| 80 | | TAH4D3-80/4-20MA | TAH4D3-80/20MA | TAH4D3-80/10V |
| 100 | | TAH4D3-100/4-20MA | TAH4D3-100/20MA | TAH4D3-100/10V |
| 150 | | TAH4D3-150/4-20MA | TAH4D3-150/20MA | TAH4D3-150/10V |
| 200 | | TAH4D3-200/4-20MA | TAH4D3-200/20MA | TAH4D3-200/10V |
| 250 | | TAH4D3-250/4-20MA | TAH4D3-250/20MA | TAH4D3-250/10V |
| 300 | | TAH4D3-300/4-20MA | TAH4D3-300/20MA | TAH4D3-300/10V |
| 400 | TAH4D3-400/4-20MA | TAH4D3-400/20MA | TAH4D3-400/10V | |

TAH5

- Transformer suitable for primary current by cable with maximum diameter 30mm or bus bar: horizontal 30x30 - 40x25 - 50x20 mm; vertical 30x10 mm
- Fixing system:
 - to wall by accessories
 - directly to cable or bus bar by screws
 accessories and screws are supplied together with the current transformer



| A (CC) | kg | class 1 | | |
|-----------------|---------|-------------------|---------------|-------------------|
| | | secondary current | | secondary voltage |
| | | 4/20mA | 20mA | 10V |
| primary current | weighth | code | code | code |
| 100 | 0,5 | TAH5-100/4-20MA | TAH5-100/20MA | TAH5-100/10V |
| 150 | | TAH5-150/4-20MA | TAH5-150/20MA | TAH5-150/10V |
| 200 | | TAH5-200/4-20MA | TAH5-200/20MA | TAH5-200/10V |
| 250 | | TAH5-250/4-20MA | TAH5-250/20MA | TAH5-250/10V |
| 300 | | TAH5-300/4-20MA | TAH5-300/20MA | TAH5-300/10V |
| 400 | | TAH5-400/4-20MA | TAH5-400/20MA | TAH5-400/10V |