

MBS RANGE OF CURRENT TRANSFORMERS



**GREAT IDEA !!
PLUG IN TRANSDUCERS
MODULES**



FEATURES

- Moulded case
- Primary wound versions
- Bus-bar versions
- Many types can be din rail mounted
- All fixings & if applicable din rail clip supplied
- Snap shut hinged secondary terminal covers
- Insulated ends to bus-bar clamping screws
- P1>P2 (K>L) primary designation within moulding
- S1 S2 (k l) secondary designation within moulding
- 1 Amp & 5 Amp secondaries
- Other class accuracies & VA ratings on request

SPECIFICATION

Compliance: DIN VDE 0414/1, DIN 42600, IEC 185, VBG 4
CE marked: Yes
Construction: Self extinguishing to UL94V0 black polycarbonate, casing ultrasonically welded
Rated Hz: 50-60Hz, other frequencies on request up to 400Hz
Insulation: Class E, up to 720V
Tropicalised versions: On request

NMC - UNIQUE PLUG IN TRANSDUCER OPTION

DESCRIPTION

Do you ultimately need an analogue signal for your current measurement? The MBS range of CT's feature a plug in transducer module option.

Just twist off the secondary terminal covers and remove the secondary terminal screws. Screw in the brass transformer to module connecting studs and plug in the NMC transducer module.

Each NMC transducer block will give two different isolated analogue outputs. Also the secondary of the current transformer is repeated, if this repeat facility is not required the supplied shorting link must be left in situ. It is possible to generate 0-20mA and 0-10VDC without any auxiliary supply (self powered module version). Please note that the self powered versions can only be used on current transformers with an output of at least 2.5VA, if a 4-20mA signal is required in all cases an auxiliary supply is required, 24VDC, 110VAC or 230VAC.

NMC MODULE SPECIFICATIONS

INPUT

Current: 1Amp or 5Amp
Power consumption: <1VA, self powered versions >2.5VA
Overload capacity: 1.2x I_n continuously, 8x I_n <40secs

OUTPUT

Signal I: 0-20mA or 4-20mA
Max external resistance: 500 ohms
Current limit on overload: <34mA
Signal V: 0-10VDC
External resistance: >10 Kohms
Voltage limit on overload: 18VDC

GENERAL

DC auxiliary supply: 24VDC ± 15%
AC auxiliary supply: 110VAC, 230VAC ± 10%, 50-60Hz
Response time: <500 mSec
General accuracy: Class 0.5
Accuracy range: 1-120% I_n powered, 15-120% self powered
Isolation: 4KV

GENERAL INSTALLATION NOTES

1. Remove red CT secondary covers by twisting them, some gentle force is required.
2. Remove the secondary screws on the P2 (L) side of the CT, pull out the brass studs from the rear of the transducer / relay module and screw into the holes left by the secondary screws.
3. Clip transducer module on to the top of the CT.
4. If the 1Amp / 5Amp CT output is not required the link for shorting should be left in situ across terminals 5 & 6.

NMC NOTES

1. On connection of the auxiliary supply the two green LED's should illuminate.
2. Note, the self powered transducer version is only possible to use if the CT being used generates at least 2.5VA. The self powered version current output is 0-20mA instead of 4-20mA.

Terminal No.	Designation
1	Negative 0-10VDC output
2	Positive 0-10VDC output
3	Negative 0-20mA / 4-20mA output *
4	Positive 0-20mA / 4-20mA output *
5	S1 (k) 1Amp / 5Amp output *
6	S2 (l) 1Amp / 5Amp output *
7	+ / L auxiliary supply *
8	- / N auxiliary supply *

* Depending on version ordered

