

The Benchmark for Power Circuit Breakers around the world

# MasterPact NT/NW

LV power circuit breakers 630 to 6300 A



Network Protection



Supervision



ComPact

# MasterPact NT and NW

## The Benchmark For Power Circuit Breakers Around The World



Ethernet ready MasterPact NT and NW breakers, setting the standard for performance, safety, connectivity and built-in metering; all in optimized frame sizes

- Ethernet based monitoring, control, alarm notification for energy, asset and network management
- Built-in energy metering with combined accuracy class of 2% for improved energy efficiency
- MasterPact is suitable for heavy duty applications



**Building    Energy    Industry    Datacenter  
& Infrastructure**

- MasterPact is an answer to specific applications:
  - 1000V for mining applications
  - Direct current networks
  - Corrosion protection
  - Switch disconnectors and earthing switches

### Range Details:

- 630A to 6300A
- Breaking Capacity upto 150kA
- Fixed, Draw out type
- Flexible terminal orientation enables horizontal or vertical alignment changes in the field\*

\*Not Applicable for 4000A and 6300A

# Micrologic Trip System Overview of functions

## Micrologic name codes

**2.0 E**  
X Y Z

### X: type of protection

- 2 for basic protection
- 5 for selective protection
- 6 for selective + earth-fault protection
- 7 for selective + earth-leakage protection.

### Y: control-unit generation

Identification of the control-unit generation.  
"0" signifies the first generation.

### Z: type of measurement

- E for "Energy"
- P for "power meter"
- H for "harmonic meter".

### P: E + power meter + programmable protection

- measurements of V, A, W, VAR, VA, Wh, VARh, VAh, Hz, Vpeak, Apeak, power factor and maximeters and minimeters
- IDMTL long-time protection, minimum and maximum voltage and frequency, voltage and current imbalance, phase sequence, reverse power
- load shedding and reconnection depending on power or current
- measurements of interrupted currents, differentiated fault indications,
- maintenance indications, event histories and time-stamping, etc.

## Measurements and programmable protection

- $I_1, I_2, I_3, I_N$ , earth-fault, earth-leakage and maximeter for these measurements
- fault indications
- settings in amperes and in seconds.
- calculates the current demand value
- "Quickview" function for the automatic cyclical display of the most useful values (as standard or by selection).



### H: P + harmonics

- power quality: fundamentals, distortion, amplitude and phase of harmonics up to the 31st order
- waveform capture after fault, alarm or on request
- enhanced alarm programming: thresholds and actions.

## Solar PVDC ACB Offer

### MasterPact NW HADCD - PV switch disconnectors



- 2000A and 4000A @ 1000V DC
- Short Circuit Withstand Capacity upto 85kA 1sec
- Fixed and Draw out type
- High Mechanical and Electrical life

## ATS Kit

### Suitable for MasterPact NT/ NW ACB

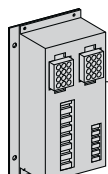
#### This Kit comprises of :

- Adaptation fixture & set of two cables for mechanical interlocking
- IVE unit for Electrical Interlocking
- ACP control Plate
- UA/BA controller

\*Note: For ATS with MasterPact NT/NW ACB, order 2 nos. of ACB's with ready to close PF contact + 1 no. ATS Kit



ACP Unit



IVE Unit



Controller



Mechanical interlocking using cable

Description	Reference	Unit MRP [₹]
ATS Kit for MasterPact NT EDO type with BA 415VAC controller	INA_NTD0B4	206650
ATS Kit for MasterPact NT EDO type with UA 415VAC controller	INA_NTD0U4	237070
ATS Kit for MasterPact NW EDO type with BA 415VAC controller	INA_NWDOB4 <input checked="" type="checkbox"/>	224960
ATS Kit for MasterPact NW EDO type with UA 415VAC controller	INA_NWDOU4 <input checked="" type="checkbox"/>	285830

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

☒ NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023