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**MD Starter+ DOL**



**MD Starter+ FASD**

## STARTER+ AUTOMATIC OPERATION WITH EXTRA PROTECTIONS

\*Under license from Larsen & Toubro Limited. | #Trademark of Schneider Electric Denmark A/S.



Features

- › Digital metering in select variants
- › Built-in *i*-PROTECTOR which gives protections from following faults:
  - › Voltage & Current Single Phasing
  - › Under & Over Voltage
  - › Voltage & Current unbalance fault from supply side
  - › Phase Reversal
  - › Dry-run Fault Protection (With adjustable current setting and adjustable reset time)
- › Wide band coil: 180V to 415V
- › Suitable for all starters - upto 40A
- › Auto/Manual/Bypass mode available
- › In-built Star Delta timer and ON-Delay timer

**Note:** *i*-VDSM gives voltage based protection (Except Dry run for which current based protection is given) & *i*-ADSM gives current based protection

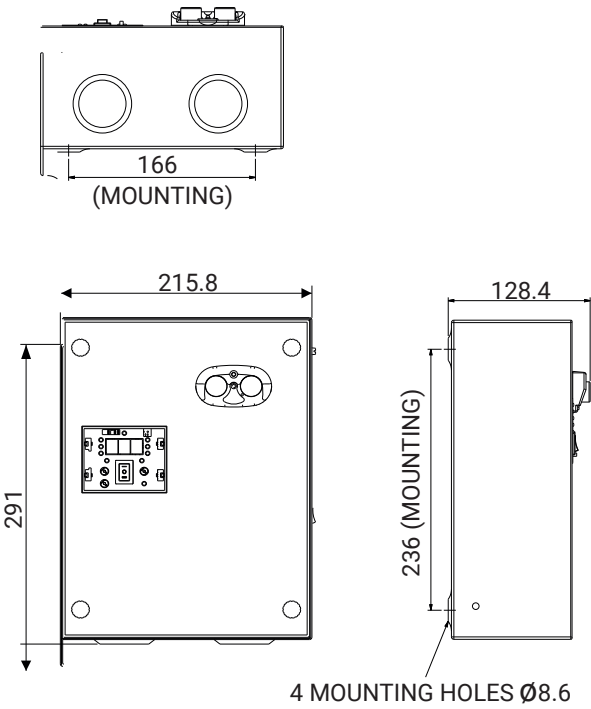


Applications

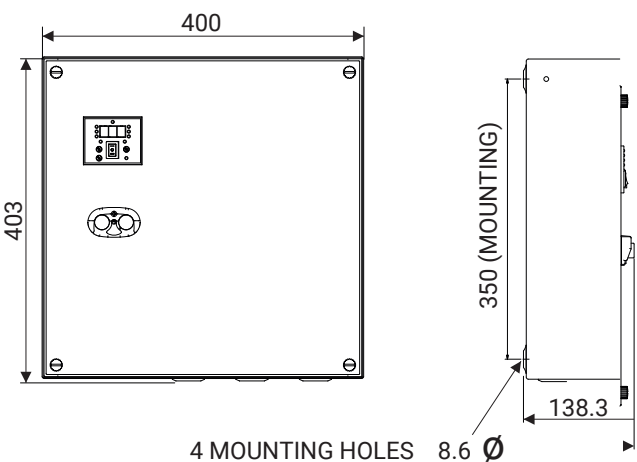
Application in Diverse areas:  
Agricultural pump application, Agriculture and allied processes, Textile looms, Horticulture, Canal irrigation, High-rise building applications, etc.

Overall Dimensions

MD Starter+ DOL



MD Starter+ FASD



All dimensions are in mm

MD STARTER+ DOL

- › Starter+ DOL is rated up to 10/12.5/15/20 hp at 360V/415V, 50Hz
- › Comprising of MU1/1H/2/3 contactor, MU relay and *i*-PROTECTOR



Starter	Motor Rating at 415V, 3Ph, 50Hz	Relay Range (A)
	HP	
MD1-iU	7.5	9-14
	10	13-21
	10	15-25
MD1H-iU	12.5	13-21
	12.5	15-25
	12.5	20-32
MD2-iU	12.5	13-21
	12.5	15-25
	15	20-32
MD3-iU	15	24-38
	17.5	20-32
	17.5	24-38
	20	28-42

MD STARTER+ FASD

- › Starter+ SD is rated up to 30hp at 360V / 415V, 50Hz
- › Comprising of MU1/1H/2/3 contactor, MU2 Relay and *i*-Protector
- › The starter needs to be provided with HRC type back up fuses for protection of your installation from damage due to short circuit



Starter	Max.Motor Rating of 415V, 3Phase, 50Hz	Relay Range (A)
	HP	With MU2 Relay
MD1-iU	15	9-14
MD1-iU/MD2-iU	20	13-21
MD1H-iU/ MD2-iU	25	15-25
MD2-iU	30	20-32
MD3-iU	30	24-38
MD2-iU/MD3-iU	30	28-42