

The easy choice for reliable performance

EasyPact MVS

LV power circuit breakers and switch
disconnectors from 800 to 4000 A



EasyPact MVS

The easy choice for reliable performance



- Thermal memory ensures safe tripping in case of consecutive faults
- In-built ZSI feature facilitates intelligent discrimination and enhances installation life
- Mechanical ready to close features checks all safety parameters before closing for enhanced safety
- Trip unit with built in current & voltage metering for easy access to important electrical parameters
- Best in class break time of 25ms creates lower stress on installation
- Pollution degree 4 allows the breaker to operate in harsh environments
- LED bargraph ensures easy access to % phase wise loading information
- Ap protection feature standard in all trip units

Range Details:

- Single frame for 800A to 4000A
- Fixed, Draw out type
- Entire Range $I_{cu}=I_{cs}=I_{cw}=50\text{kA} / 65\text{kA}$ for 1sec @440V
- Suitability for applications up to 690 V
- Flexible terminal orientation enables horizontal or vertical alignment changes in the field (except for 4000A)

ET/ETA/ETV Trip System

A step towards intelligent Electrical Distribution Network



	ET TRIP UNIT	ETA Trip Unit	ETV TRIP UNIT
Features	Current Metering	●	●
	Energy Metering NEW		●
	ZSI	●	●
	% Loading Bar Graph for each phase	●	●
	Thermal Memory	●	●
	Last 10 Trip History		●
Protection	2 (L, I)	2L	2A
		6G	6V

EasyPact ACB CommunicationModule



Connect



Control



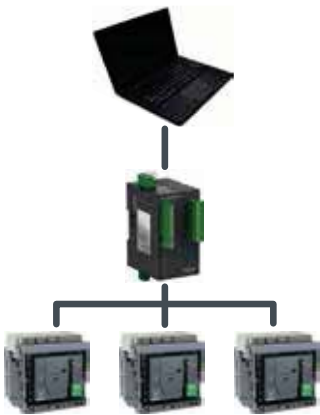
Manage

Make Communication architecture affordable and Easy to maintain

- Connect, Control & Manage three ACBs from one communication module having RS485 port with Modbus RTU protocol.
 - a. Connect breaker ON/OFF status (OF) Breaker trip status (SDE), ready to close status (PF)
 - b. Control remote open/close of air circuit breakers.
 - c. Manage one analog input (4-20mA)



EasyPact MVS communication module connect and control ACB on Modbus Communication architecture.



Material Description	Reference	Unit MRP [₹]
EasyPact MVS Communication module EasyCom	MVS21430	16250

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

EasyPact MVS Draw-out ACB

Draw-out type Circuit breakers and Switch Disconnectors 800-4000A



- Conforms to IS/ IEC 60947-2 & 3
- Microprocessor based ET trip systems with thermal memory
- No derating up to 50°C
- Zone Selective Interlocking
- Fully rated neutral with inbuilt protection
- Pre trip alarm & individual fault indicating LEDs
- ET6L provides Overload, Short-circuit, Instantaneous & Earth-fault protections
- $I_{cu} = I_{cs} = I_{cw}(1\text{sec}) = 50\text{kA @ } 440\text{V AC}$

Draw-out Type circuit breaker with Microprocessor based ET6G Trip Unit (without display)

Rating In (A)	3P Draw-Out Manual Reference	Unit MRP [₹]	3P Draw-Out Electrical Reference	Unit MRP [₹]	4P Draw-Out Manual Reference	Unit MRP [₹]	4P Draw-Out Electrical Reference	Unit MRP [₹]
800	MVS08N3MW6L	256930	MVS08N3NW6L	331720	MVS08N4MW6L	322490	MVS08N4NW6L	397280
1000	MVS10N3MW6L	269920	MVS10N3NW6L	344710	MVS10N4MW6L	337860	MVS10N4NW6L	412650
1250	MVS12N3MW6L	300540	MVS12N3NW6L	375330	MVS12N4MW6L	374210	MVS12N4NW6L	449000
1600	MVS16N3MW6L	341580	MVS16N3NW6L	416370	MVS16N4MW6L	416780	MVS16N4NW6L	491570
2000	MVS20N3MW6L	458920	MVS20N3NW6L	533710	MVS20N4MW6L	563600	MVS20N4NW6L	638390
2500	MVS25N3MW6L	567350	MVS25N3NW6L	642140	MVS25N4MW6L	689440	MVS25N4NW6L	764230
3200	MVS32N3MW6L	685950	MVS32N3NW6L	760740	MVS32N4MW6L	841080	MVS32N4NW6L	915870
4000	MVS40N3MW6L	838950	MVS40N3NW6L	913740	MVS40N4MW6L	1077750	MVS40N4NW6L	1152540

EasyPact MVS Draw out ACB

ACB variants	LP changes for product Configuration w.r.t. ACB having ET6G trip unit.		How to arrive at new reference number*
Switch Disconnector version (without trip unit)	Reduce	₹19300	Example : ACB reference with ET6G trip unit - MVS08N3MW6L. For switch disconnector reference replace 6L by 0D i.e MVS08N3MW0D
ACB with ET6A trip unit (LCD display with Current Metering)	Add	₹9200	Example : ACB reference with ET6G trip unit - MVS08N3MW6L. For ACB reference with ET6A trip unit replace 6L by 6A i.e MVS08N3MW6A
ACB with ET6V trip unit (LCD display with Current Metering & Voltage Metering and Last 10 Trip History)	Add	₹21200	Example : ACB reference with ET6G trip unit - MVS08N3MW6L. For ACB reference with ET6V trip unit replace 6L by 6V i.e MVS08N3MW6V

*- Same Philosophy for 3 Pole/ 4 Pole and Manual/ Electrical References

Note:

All draw-out type circuit breakers will be supplied with:

- Top and Bottom horizontal terminations.
- 1 No. Electrical fault indication Contact (SDE).
- No. Auxiliary contact block (OF) with 4 C/O contacts.
- Safety shutters on Chassis & door sealing frame- Escutcheon (CDP).

- All electrical operated breakers are supplied with motor mechanism (MCH), closing coil (XF) & shunt release (MX)
- External Neutral CT required for highly un-balanced TP-N system has to be ordered at extra price.
- Any other accessories are optional at extra price.
- The product label on all electrical operated breakers may have different reference number than above printed however both references will have same functionalities. For example
 - MVS08N3NW6L can be represented as MVS08N3EW6L
 - MVS08N3NF6L can be represented as MVS08N3EF6L

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 30th, 2023

EasyPact MVS Draw-out ACB

Draw-out type Circuit breakers and Switch Disconnectors 800-4000A



- Conforms to IS/ IEC 60947-2 & 3
- Microprocessor based ET trip systems with thermal memory
- No derating up to 50°C
- Fully rated neutral with inbuilt protection
- Pre trip alarm & individual fault indicating LEDs
- ET2L provides Overload & Short-circuit protections
- $I_{cu}=I_{cs}=I_{cw}(1\text{sec}) = 50\text{kA @ } 440\text{V AC}$

Draw-out Type circuit breaker with Microprocessor based ET2L Trip Unit (without display)

Rating In (A)	3P Draw-Out Manual Reference	Unit MRP [₹]	3P Draw-Out Electrical Reference	Unit MRP [₹]	4P Draw-Out Manual Reference	Unit MRP [₹]	4P Draw-Out Electrical Reference	Unit MRP [₹]
800	MVS08N3MW2L	249530	MVS08N3NW2L	324320	MVS08N4MW2L	315090	MVS08N4NW2L	389880
1000	MVS10N3MW2L	262520	MVS10N3NW2L	337310	MVS10N4MW2L	330460	MVS10N4NW2L	405250
1250	MVS12N3MW2L	293140	MVS12N3NW2L	367930	MVS12N4MW2L	366810	MVS12N4NW2L	441600
1600	MVS16N3MW2L	334180	MVS16N3NW2L	408970	MVS16N4MW2L	409380	MVS16N4NW2L	484170
2000	MVS20N3MW2L	451520	MVS20N3NW2L	526310	MVS20N4MW2L	556200	MVS20N4NW2L	630990
2500	MVS25N3MW2L	559950	MVS25N3NW2L	634740	MVS25N4MW2L	682040	MVS25N4NW2L	756830
3200	MVS32N3MW2L	678550	MVS32N3NW2L	753340	MVS32N4MW2L	833680	MVS32N4NW2L	908470
4000	MVS40N3MW2L	831550	MVS40N3NW2L	906340	MVS40N4MW2L	1070350	MVS40N4NW2L	1145140

EasyPact MVS Draw out ACB

ACB variants	LP changes for product Configuration w.r.t. ACB having ET2L trip unit.		How to arrive at new reference number*	
ACB with ET2A trip unit (LCD display with Current Metering)	Add	₹4600	Example : ACB reference with ET2L trip unit - MVS08N3MW2L. For ACB reference with ET2A trip unit replace 2L by 2A i.e MVS08N3MW2A	
ACB with ET2V trip unit (LCD display with Current Metering & Voltage Metering and Last 10 Trip History)	Add	₹13800	Example : ACB reference with ET2L trip unit - MVS08N3MW2L. For ACB reference with ET2V trip unit replace 2L by 2V i.e MVS08N3MW2V	

AC* Same Philosophy for 3 Pole/ 4 Pole and Manual/ Electrical References

Note:

All draw-out type circuit breakers will be supplied with:

- Top and Bottom horizontal terminations.
- 1 No. Electrical fault indication Contact (SDE).
- 1 No. Auxiliary contact block (OF) with 4 C/O contacts.
- Safety shutters on Chassis & door sealing frame- Escutcheon (CDP).

- All electrical operated breakers are supplied with motor mechanism (MCH), closing coil (XF) & shunt release (MX).
- External Neutral CT required for highly un-balanced TP-N system has to be ordered at extra price.
- Any other accessories are optional at extra price.
- The product label on all electrical operated breakers may have different reference number than above printed however both references will have same functionalities. For example
 - MVS08N3NW6L can be represented as MVS08N3EW6L
 - MVS08N3NF6L can be represented as MVS08N3EF6L

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

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- Conforms to IS/ IEC 60947-2 & 3
- Microprocessor based ET trip systems with thermal memory
- No derating up to 50° C
- Zone Selective Interlocking
- Fully rated neutral with inbuilt protection
- Pre trip alarm & individual fault indicating LEDs
- $I_{cu}=I_{cs}=I_{cw}(1sec) = 50kA @ 440V AC$

Fixed Type circuit breaker with Microprocessor based ET6G Trip Unit (without display)

Rating in (A)	3P Fix Manual Reference	Unit MRP [₹]	3P Fix Electrical Reference	Unit MRP [₹]	4P Fix Manual Reference	Unit MRP [₹]	4P Fix Electrical Reference	Unit MRP [₹]
800	MVS08N3MF6L	191590	MVS08N3NF6L	266380	MVS08N4MF6L	243590	MVS08N4NF6L	318380
1000	MVS10N3MF6L	209730	MVS10N3NF6L	284520	MVS10N4MF6L	264560	MVS10N4NF6L	339350
1250	MVS12N3MF6L	241050	MVS12N3NF6L	315840	MVS12N4MF6L	301160	MVS12N4NF6L	375950
1600	MVS16N3MF6L	267570	MVS16N3NF6L	342360	MVS16N4MF6L	345870	MVS16N4NF6L	420660
2000	MVS20N3MF6L	345540	MVS20N3NF6L	420330	MVS20N4MF6L	451580	MVS20N4NF6L	526370
2500	MVS25N3MF6L	421260	MVS25N3NF6L	496050	MVS25N4MF6L	532210	MVS25N4NF6L	607000
3200	MVS32N3MF6L	603010	MVS32N3NF6L	677800	MVS32N4MF6L	744010	MVS32N4NF6L	818800
4000	MVS40N3MF6L	742590	MVS40N3NF6L	817380	MVS40N4MF6L	930980	MVS40N4NF6L	1005770

EasyPact MVS Fix ACB

ACB variants	LP changes for product Configuration w.r.t. ACB having ET6G trip unit.		How to arrive at new reference number*
Switch Disconnector version (without trip unit)	Reduce	₹19300	Example : ACB reference with ET6G trip unit - MVS08N3MF6L. For switch disconnector reference replace 6L by 0D i.e MVS08N3MF0D
ACB with ET6A trip unit (LCD display with Current Metering)	Add	₹9200	Example : ACB reference with ET6G trip unit - MVS08N3MF6L. For ACB reference with ET6A trip unit replace 6L by 6A i.e MVS08N3MF6A
ACB with ET6V trip unit (LCD display with Current Metering & Voltage Metering and Last 10 Trip History)	Add	₹21200	Example : ACB reference with ET6G trip unit - MVS08N3MF6L. For ACB reference with ET6V trip unit replace 6L by 6V i.e MVS08N3MF6V

* Same Philosophy for 3 Pole/ 4 Pole and Manual/ Electrical References

Note:

All Fix type circuit breakers will be supplied with:

- horizontal / vertical terminal
 - 1 No. Electrical fault indication Contact (SDE).
 - 1 No. Auxiliary contact block (OF) with 4 C/O contacts.
 - door sealing frame- Escutcheon (CDP).
- All switch disconnectors are without protection
 - All electrical operated breakers are supplied with motor mechanism (MCH), closing coil (XF) & shunt release (MX).
 - External Neutral CT required for highly un-balanced TP-N system has to be ordered at extra price.
 - Any other accessories are optional at extra price.
 - The product label on all electrical operated breakers may have different reference number than above printed however both references will have same functionalities. For example
 - MVS08N3NW6L can be represented as MVS08N3EW6L
 - MVS08N3NF6L can be represented as MVS08N3EF6L

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- Conforms to IS/ IEC 60947-2 & 3
- Microprocessor based ET trip systems with thermal memory
- No derating up to 50° C
- Fully rated neutral with inbuilt protection
- Pre trip alarm & individual fault indicating LEDs
- $I_{cu}=I_{cs}=I_{cw}(1\text{sec})=50\text{kA @ }440\text{V AC}$

Fixed Type circuit breaker with Microprocessor based ET2L Trip Unit (without display)

Rating in (A)	3P Fix Manual Reference	Unit MRP [₹]	3P Fix Electrical Reference	Unit MRP [₹]	4P Fix Manual Reference	Unit MRP [₹]	4P Fix Electrical Reference	Unit MRP [₹]
800	MVS08N3MF2L	184190	MVS08N3NF2L	258980	MVS08N4MF2L	236190	MVS08N4NF2L	310980
1000	MVS10N3MF2L	202330	MVS10N3NF2L	277120	MVS10N4MF2L	257160	MVS10N4NF2L	331950
1250	MVS12N3MF2L	233650	MVS12N3NF2L	308440	MVS12N4MF2L	293760	MVS12N4NF2L	368550
1600	MVS16N3MF2L	260170	MVS16N3NF2L	334960	MVS16N4MF2L	338470	MVS16N4NF2L	413260
2000	MVS20N3MF2L	338140	MVS20N3NF2L	412930	MVS20N4MF2L	444180	MVS20N4NF2L	518970
2500	MVS25N3MF2L	413860	MVS25N3NF2L	488650	MVS25N4MF2L	524810	MVS25N4NF2L	599600
3200	MVS32N3MF2L	595610	MVS32N3NF2L	670400	MVS32N4MF2L	736610	MVS32N4NF2L	811400
4000	MVS40N3MF2L	735190	MVS40N3NF2L	809980	MVS40N4MF2L	923580	MVS40N4NF2L	998370

EasyPact MVS Fix ACB

ACB variants	LP changes for product configuration w.r.t. ACB having ET2L trip unit		How to arrive at new reference number
ACB with ET2A trip unit (LCD display with Current Metering)	Add	₹4600	Example : ACB reference with ET2L trip unit - MVS08N3MF2L. For ACB reference with ET2A trip unit replace 2L by 2A i.e MVS08N3MF2A
ACB with ET2V trip unit (LCD display with Current Metering & Voltage Metering and Last 10 Trip History)	Add	₹13800	Example : ACB reference with ET2L trip unit - MVS08N3MF2L. For ACB reference with ET2V trip unit replace 2L by 2V i.e MVS08N3MF2V

* Same Philosophy for 3 Pole/ 4 Pole and Manual/ Electrical References

Note:

All Fix type circuit breakers will be supplied with:

- horizontal / vertical terminal
- 1 No. Electrical fault indication Contact (SDE).
- 1 No. Auxiliary contact block (OF) with 4 C/O contacts.
- door sealing frame- Escutcheon (CDP).

- All switch disconnectors are without protection
- All electrical operated breakers are supplied with motor mechanism (MCH), closing coil (XF) & shunt release (MX).
- External Neutral CT required for highly un-balanced TP-N system has to be ordered at extra price.
- Any other accessories are optional at extra price.
- The product label on all electrical operated breakers may have different reference number than above printed however both references will have same functionalities. For example
 - MVS08N3NW6L can be represented as MVS08N3EW6L
 - MVS08N3NF6L can be represented as MVS08N3EF6L

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Component	Specification	Reference	Unit MRP ₹
Gear Motor (MCH)			
AC 50/60 Hz	100/130 V	47893	57440
	200/240 V	47894 ☒	
	380/415 V	47896	
DC	24/30 V	47888	
	48/60 V	47889	
	100/125 V	47890	
	200/250 V	47891	
Closing Release (XF)			
AC 50/60 Hz DC	24/30 V DC	33659	8360
	48/60 V DC	33660	
	100/130 V AC/DC	MVS15511 ☒	
	200/250 V AC/DC	MVS15512 ☒	
	380/480 V AC	MVS15513	
Opening Release (MX)			
AC 50/60 Hz DC	24/30 V DC, 24 V AC	33659	8360
	48/60 V DC, 48 V AC	33660	
	100/130 V AC/DC	33661 ☒	8340
	200/250 V AC/DC	33662 ☒	8360
	380/480 V AC	33664 ☒	
Terminal Block			
For drawout circuit breaker		47849	310
Under Voltage Release (MN)			
AC 50/60 Hz DC	24/30 V DC, 24 V AC	33668	8360
	48/60 V DC, 48 V AC	33669	
	100/130 V AC/DC	33670 ☒	
	200/250 V AC/DC	33671 ☒	
	380/480 V AC	33673 ☒	
MN Delay Unit			
AC 50/60 Hz DC	48/60 V AC/DC	33680	12160
	100/130 V AC/DC	33681	
	200/250 V AC/DC	33682	
	380/480 V AC/DC	33683	
	100/130 V AC/DC	33684	11330
	200/250 V AC/DC	33685 ☒	
ON/OFF Indication Contacts (Additional OF contact)			
1 additional block of 4 contacts		47887	7370
Door Interlock (VPECD)/1 part			
On right hand side of chassis		47914 ☒	4010
Operation Counter			
Operation Counter CDM		48535	11400

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