

# The easy choice for reliable performance

## EasyPact MVS

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

Submitted by TECO Group



**Schneider**  
Electric™



+



=

**Performance  
without compromise**

High reliability,  
flexibility, and convenience

Quality and safety  
you can trust

Outstanding value for an  
optimized feature set

Submitted by **TECO Group**



Buildings



Industry



Panel Builders  
& OEM

# EasyPact MVS range



EasyPact MVS



ET

ETA

ETV

## Why settle for less?

To satisfy your new construction or upgrade projects with limited budgets, you once may have thought you had to choose an air circuit breaker that compromised on safety, ease-of-use, or dependability.

Introducing the EasyPact™ MVS range of air circuit breakers, giving you an optimized feature set with excellent value. As part of the EasyPact family of protection and control products, the EasyPact MVS represents the perfect balance of performance, price, and quality. Schneider Electric has leveraged decades of expertise and leadership in power protection to deliver an air circuit breaker with high reliability and flexibility.

This world-class performance will help make your business more profitable, your installations more reliable, and your environment safer.

## Engineered to meet your needs

### > The performance you need

The EasyPact MVS range is an excellent choice when tight construction and upgrade budgets create a challenge in meeting performance and protection specifications. It provides the ideal level of capability for your installations from 800 to 4000 A, while offering the durability and ease-of-use needed for the majority of common applications..

### > At a cost-effective investment

Like the entire EasyPact family, the EasyPact MVS range is precision engineered for simplicity, ease of installation, specification, selection, purchasing, and stocking, so it delivers unbeatable value throughout its lifecycle.

### > With the quality you demand

Designed and manufactured by Schneider Electric using advanced manufacturing methods and premium materials, the EasyPact MVS range is designed to match your quality expectations and the needs of each project.



# The performance you need



## An optimized combination of abilities

The EasyPact MVS range of high-quality air circuit breakers is ideal for installation on the incomers of electrical switchboards in a diverse range of buildings. Engineered to match the majority of common applications, EasyPact MVS offers the essential capabilities with a broad range of application. It is the result of forward-thinking design and meticulous manufacturing quality that you can count on to deliver dependable, long-term service.

## Protection and durability you can trust

The EasyPact MVS range has a high current withstand rating. Satisfying the stringent demands of specifiers and panelbuilders, complete selectivity assures electrical system protective coordination, reliability, and continuity of service.

- > The entire range is rated for  $I_{cs} = I_{cu} = I_{cw} = 50$  and  $65$  kA, at  $440$  V, for  $1$  s
- > Suitability for applications up to  $690$  V
- > Fully rated neutral with adjustable protection for all 4-pole breakers
- > Fast  $25$  ms break time: helps to reduce the stress on your electrical network
- > On-line setting of protection parameters
- > Compatible with manual source-changeover applications between two or three devices

## Wide temperature range

EasyPact MVS circuit breakers can be used in demanding environments across a wide range of temperatures.



$I_{cs} = I_{cu} = I_{cw}$   
( $1$  s)



Locking safety shutters, key locks and padlocking keep your installation safe.

**90%**

of common applications are covered

### Uncompromised safety

EasyPact MVS circuit breakers are designed and manufactured to provide the utmost in isolation and safety during installation, during use, and while under maintenance.

- > 'Ready to close' changeover contact: checks whether all safety parameters are fulfilled before allowing the breaker to be switched ON
- > Safety shutters with locking capability: no accidental access to live parts
- > Key locks and padlocking: available to ensure operator safety
- > Fully rated neutral pole with protection

### Electronic trip units with display

Microprocessor-based trip units enhance protection for your vital electrical installation.

- > ET trip system (2I, 5S, 6G): thermal memory and LED fault indication
- > ETA trip system (2I, 5S, 6G): all ET features, plus current metering and bar graph
- > ETV trip system (2I, 5S, 6G): all ETA features, plus voltage metering and trip history





# A cost-effective investment



**30%**  
reduction in  
stocking  
requirements

## Engineered for long-term value

The EasyPact MVS range has been designed to provide maximum return on investment by integrating an optimized level of capability and quality with ease of use, specification, selection, purchasing, stocking, and installation.

## Pay for what you need

By harmonizing its features with 90% of common application needs, the EasyPact MVS range offers exceptional value in its class. You pay only for the capabilities you need while obtaining excellent quality.

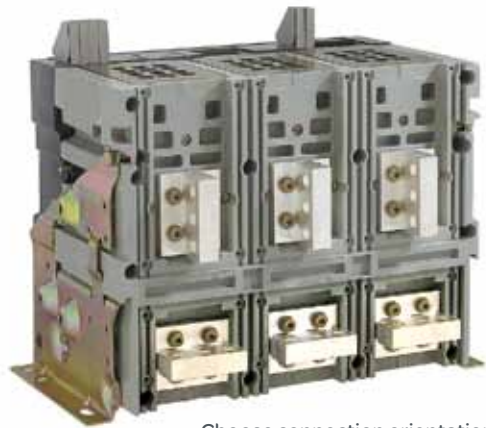
## Easy to order, stock, and configure

EasyPact MVS models and accessories use meaningful part numbers that help save time in selection and ordering. Easily select from a wide range of field installable accessories that can be mixed and matched with compatible products for optimized stocking and a modular, easy-to-assemble electrical protection solution.

## Simple and fast installation

We've included many other flexible design innovations that will enable you to use EasyPact MVS circuit breakers for a broader range of applications, as well as simplifying your workflow and reducing installation costs.

- > The EasyPact MVS range shares a common footprint with other Schneider Electric ACB ranges, and offers a single frame size for all models, which standardizes requirements and reduces installation times
- > Connection options include copper and aluminium conductor compatibility
- > Flexible terminal orientation enables horizontal or vertical alignment changes in the field
- > Single pole pitch - 115mm
- > Single bolt fixing for motor mechanism enables easy conversion of manual to motorized breaker
- > Convenient front-fitted accessories



Choose connection orientation by simply turning 90°.



Use with copper or aluminum conductors

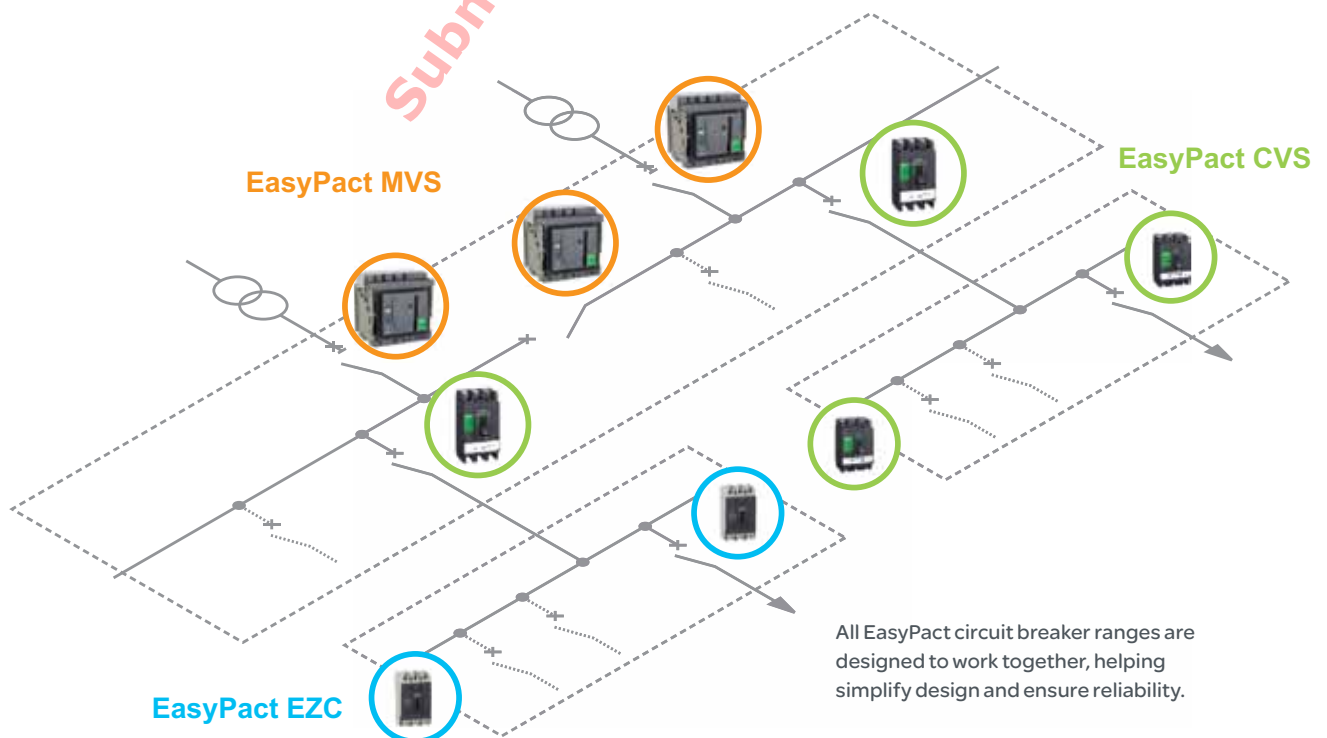
## Easy design

The EasyPact MVS range offers an extensive choice of software tools to reduce design times.

Full documentation is at your fingertips, while a full library of useful resources are available to assist you in all stages of design.

## A complementary family

The EasyPact family of protection and control devices all share the same performance and quality benefits. They are also designed to work perfectly in coordination with each other, and integrate quickly within our Prisma iPM switchboards. This makes your purchasing choices easier, reduces your design time, and ensures a reliable installation from service entrance to loads.





# The quality you demand



## The reliability and expertise you depend on

Being The Global Specialist in Energy Management™ means more than simply supplying industry-leading products, integrated solutions, and comprehensive services to customers around the world. It also means leveraging our strong local presence and multidisciplinary expertise to ensure all your projects deliver more for less, on time and on budget.

**100%**  
commitment  
to quality

### Choose the leader

For decades, Schneider Electric has designed, engineered, and manufactured innovative electrical distribution solutions for customers around the world. Our acknowledged leadership in energy management and power protection has resulted in an unparalleled portfolio of high-quality products trusted for use in demanding applications.

Schneider Electric is the global partner you can count on to deliver the service, support, and access you need to be your most efficient. Our highly skilled sales, engineering, and after-sales support professionals are there when you need them.





Manufactured  
by Schneider  
Electric

**ISO 9001**  
**ISO 14000**

quality certified  
manufacturing

### Proven quality

When you want exceptional quality and capability in a circuit breaker that is both simple and safe, turn to Schneider Electric. Every range in the EasyPact family including MVS, CVS, EZC, and TVS provides all of our traditional strengths. They are manufactured from premium materials in ISO 9001 and ISO 14000 certified production plants. The EasyPact MVS circuit breakers conform to the IEC60947-2 standard, while the switch disconnectors conform to IEC60947-3.



GOST



CCC



CCS



EasyPact MVS circuit breakers are fully tested, approved, and certified by national, international, and third party organizations, thereby guaranteeing that your installation meets all relevant safety standards.



# EasyPact MVS characteristics

## General Specifications

Rated insulation voltage (V) $U_i$	1000
Impulse withstand voltage (kV) $U_{imp}$	12
Rated operational voltage (V AC 50/60Hz) $U_e$	690
Suitability for isolation (IEC 60947-2)	Yes
Utilisation category	B
Pollution degree (IEC 60664-1)	4

## Model comparison

Circuit breakers		MVS08		MVS10		MVS12		MVS16		MVS20		MVS25		MVS32		MVS40	
Type		N	H	N	H	N	H	N	H	N	H	N	H	N	H	N	H
Current ratings		800		1000		1250		1600		2000		2500		3200		4000	
Breaking capacity (kA rms) $I_{cu}=I_{cs}=I_{cw}$ (1sec) @ 440V AC		50	65	50	65	50	65	50	65	50	65	50	65	50	65	55	65
Breaking capacity (kA rms) $I_{cu}=I_{cs}=I_{cw}$ (1sec) @ 690V AC		42	50	42	50	42	50	42	50	42	50	42	50	42	50	42	50
Number of poles		3/4															
Breaking time (ms)		25															
Closing time (ms)		< 70															
Protection																	
ET		overload, short-circuit & ground fault															
ETA		overload, short-circuit & ground fault with current metering															
ETV		overload, short-circuit & ground fault with voltage metering															
Standards		IEC 60947-2															
Switch disconnectors		MVS08		MVS10		MVS12		MVS16		MVS20		MVS25		MVS32		MVS40	
Type		NA	HA	NA	HA	NA	HA	NA	HA	NA	HA	NA	HA	NA	HA	NA	HA
Short-time withstand (kA rms) $I_{cw}$ (1sec)		50	65	50	65	50	65	50	65	50	65	50	65	50	65	55	65
Standards		IEC 60947-3															
Circuit breakers and switch disconnectors																	
Connection																	
Horizontal		Yes															
Vertical		Yes															
Dimensions H x W x D (mm)																	
Drawout	3-pole	439 x 441 x 395															
	4-pole	439 x 556 x 395															
Fixed	3-pole	352 x 422 x 297															
	4-pole	352 x 537 x 297															
Accessories																	
Auxiliary contacts		Yes															
Fault trip indication contact		Yes															
Key locks and padlocking		Yes															
Copper or aluminium conductor compatibility		Yes															
Certifications		GOST, CCC, CCS															

Gain peace of mind,  
quality, and value for  
your installations



Submitted by TECO Group

Make the most of your energy<sup>SM</sup>

Submitted by TECO Group

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