

Low voltage

EasyPact MVS

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

Catalogue
2012



Schneider
Electric



Circuit breakers and switch-disconnectors

MVS08 to MVS40



Circuit breaker.



Switch disconnector.

Common characteristics

Number of poles		3/4
Rated insulation voltage (V)	Ui	1000
Impulse withstand voltage (kV)	Uimp	12
Rated operational voltage (V AC 50/60 Hz)	Ue	690
Suitability for isolation	IEC 60947-2	Yes
Degree of pollution	IEC 60664-1	4

Basic circuit-breaker

Circuit-breaker as per IEC 60947-2

Rated current (A)	In	at 40°C ⁽¹⁾
Rating of 4th pole (A)		
Sensor ratings (A)		

Type of circuit breaker

Ultimate breaking capacity (kA rms) V AC 50/60 Hz	Icu		220...440V 690 V
Rated service breaking capacity (kA rms)	Ics		% Icu
Utilisation category			
Rated short-time withstand current (kA rms) V AC 50/60 Hz	Icw	1s	220...440 V 690V 440/690V
		3s	
Rated making capacity (kA peak) V AC 50/60 Hz	Icm		220...440 V 690 V
Breaking time (ms) between tripping order and arc extinction			
Closing time (ms)			

Switch-disconnector as per IEC60947-3 and Annex A

Type of switch-disconnector

Operational current AC23A			
Rated making capacity (kA peak)	Icm		
Rated short-time withstand current (kA rms)	Icw	1s	
		3s	

Maintenance/Connection/Installation

Service life C/O cyclesx1000	Mechanical	with maintenance		
		without maintenance		
	Electrical	without maintenance	440 V 690 V	
Connection		Horizontal		
		Vertical		
Dimensions (mm) (H x W x D)	Drawout		3P 4P	
		Fixed	3P 4P	
	Weight (kg) (approximate)	Drawout		3P/4P
		Fixed		3P/4P

⁽¹⁾ Refer page no. B-12 for details on temperature derating.

MVS08		MVS10		MVS12		MVS16		MVS20		MVS25		MVS32		MVS40	
800		1000		1250		1600		2000		2500		3200		4000	
800		1000		1250		1600		2000		2500		3200		4000	
800		1000		1250		1600		2000		2500		3200		4000	
N	H	N	H	N	H	N	H	N	H	N	H	N	H	N	H
50	65	50	65	50	65	50	65	50	65	50	65	50	65	55	65
42	50	42	50	42	50	42	50	42	50	42	50	42	50	42	50
100%		100%		100%		100%		100%		100%		100%		100%	
B		B		B		B		B		B		B		B	
50	65	50	65	50	65	50	65	50	65	50	65	50	65	55	65
42	50	42	50	42	50	42	50	42	50	42	50	42	50	42	50
25	36	25	36	25	36	25	36	25	36	25	36	25	36	30	36
105	143	105	143	105	143	105	143	105	143	105	143	105	143	121	143
88	105	88	105	88	105	88	105	88	105	88	105	88	105	88	105
25		25		25		25		25		25		25		25	
<70		<70		<70		<70		<70		<70		<70		<70	
MVS08		MVS10		MVS12		MVS16		MVS20		MVS25		MVS32		MVS40	
NA	HA	NA	HA	NA	HA	NA	HA	NA	HA	NA	HA	NA	HA	NA	HA
800		1000		1250		1600		2000		2500		3200		4000	
105	143	105	143	105	143	105	143	105	143	105	143	105	143	121	143
50	65	50	65	50	65	50	65	50	65	50	65	50	65	55	65
25	36	25	36	25	36	25	36	25	36	25	36	25	36	30	36
20		20		20		20		20		20		20		20	
10		10		10		10		10		10		10		10	
6000		6000		6000		6000		6000		5000		5000		5000	
4000		4000		4000		4000		4000		2500		2500		2500	
Yes		Yes		Yes		Yes		Yes		Yes		Yes		Yes	
439 x 441 x 395		439 x 556 x 395		352 x 422 x 297		352 x 537 x 297		70/85		90/120		40/50		60/80	
70/85		90/120		40/50		60/80									
40/50		60/80													