

Suppression Technology - Motor suppression

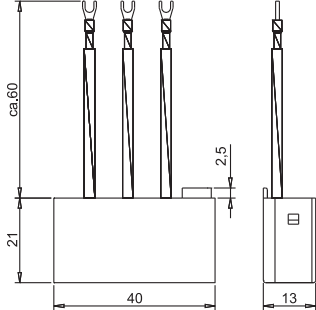
Motor suppression for the direct installation in the motor junction plate
 5.5 kW to 7.5 kW, 3 AC x 500 V
 Protection device: Varistor



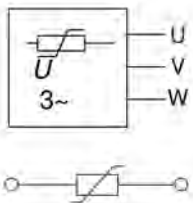
Description	Part-No.	Type	PU	
varistor				
Description	varistor	706120	LV-S10-6120 3 AC 500 V 5,5 kW	10
	varistor	706121	LV-S10-6121 3 AC 500 V 7,5 kW	10

Technical data	706120	706121
Function type	Motor suppression	
Protection device	varistor	
Nominal voltage	3 ACx500 V	
Shut-off points	≤1075 V	
Rated frequency	10–400 Hz	
Motor performance	5.5 kW	7.5 kW
Inverse voltage/switching current	–	
Holding Capacity	–	
Type of connecting lead	LIH; 1.5 mm ² ; black	
Length of connecting lead (M)	0.059	
Connecting lead	–	
Termination	3 wires with fork-type cable lug M4	
Fittings	–	
General		
Form	S10	
Status Indication	–	
Conductor labelling	–	
Housing material	PA 6.6	
Protection class	IP 67	
Pottant	2-components	
Field installation	for inserting in the motor junction plate	
Operation temperature range	-20 °C – 60 °C	
Storage temperature range	-40 °C – 90 °C	
Dimensions (w x h x d)	40.0 x 21.0 x 13.0 mm	
Weight (kg/piece)	0.023	
Standards	–	
Approvals	cURus	

Dimensions



PIN assignment



Suppression Technology - Motor suppression

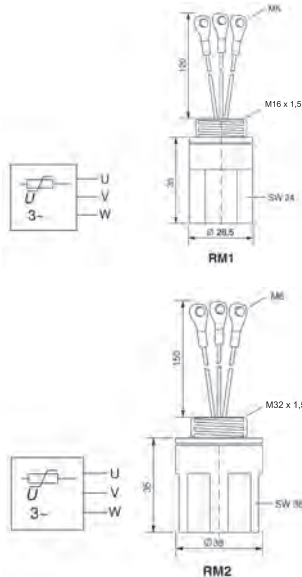
Motor suppression for the screwing in in the motor terminal box
 also suitable for frequency converters up to 7.5 kW, 3 AC x 575 V
 Protection device: Varistor



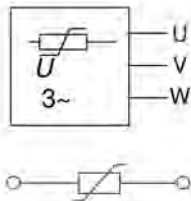
Description	Part-No.	Type	PU
Description	Varistor	LV-RM1-1533 3 AC 575 V 4 kW	10
	Varistor	LV-RM2-1534 3 AC 575 V 7,5kW	10

Technical data	701533	701534
Function type	Motor suppression	
Protection device	varistor	
Nominal voltage	3 ACx575 V	
Shut-off points	≤1075 V	
Rated frequency	10–400 Hz	
Motor performance	4 kW	7.5 kW
Inverse voltage/switching current	–	
Holding Capacity	–	
Type of connecting lead	H07V-K 1.5 mm ² , black	
Length of connecting lead (M)	0.12	0.15
Connecting lead	–	
Termination	Ring terminal M5	Ring terminal M6
Fittings	M16 x 1.5	M32 x 1.5
Suppression type	–	
General		
Form	RM1	RM2
Status Indication	–	
Conductor labelling	–	
Housing material	PPO	
Protection class	IP 67	
Pottant	2-components	
Field installation	Screwed into terminal housing directly	
Operation temperature range	-20 °C – 60 °C	
Storage temperature range	-40 °C – 90 °C	
Dimensions (w x h x d)	28.5 x 45.5 x 24.0 mm	38.0 x 45.5 x 36.0 mm
Weight (kg/piece)	0.040	0.075
Standards	–	
Approvals	cURus	

Dimensions



PIN assignment



Suppression Technology - Motor suppression

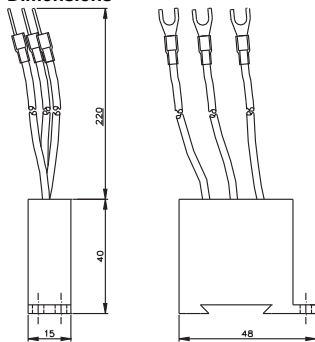
Motor suppression for the direct installation in the motor junction plate

7.5 kW, 3 AC x 500 V

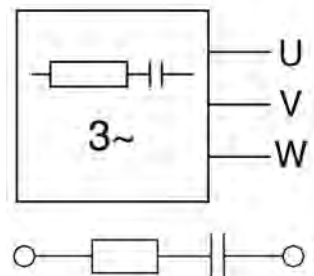
Protection device: RC module



Dimensions



PIN assignment



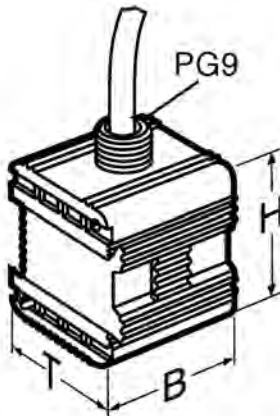
Description	Part-No.	Type	PU	
RC module				
Description	RC module	706115	LRC-VM1-6115 3 AC 500 V 7,5 kW	
			25	
Technical data		706115		
Function type	Motor suppression			
Protection device	RC module			
Nominal voltage	3 ACx500 V			
Shut-off points	-			
Rated frequency	50-60 Hz			
Motor performance	7.5 kW			
Inverse voltage/switching current	-			
Holding Capacity	-			
Type of connecting lead	H05V-K 1.0 mm ² ; black			
Length of connecting lead (M)	0.22			
Connecting lead	-			
Termination	3 wires with fork-type cable lug M4			
Fittings	-			
General				
Form	VM1			
Status Indication	-			
Conductor labelling	-			
Housing material	PPO			
Protection class	IP 67			
Pottant	2-components			
Field installation	For inserting in the motor junction plate, for the bolting on with mounting hole M4 or for attachment to hat profile TS35 with 2 snap-on sockets (accessory)			
Operation temperature range	-20 °C – 60 °C			
Storage temperature range	-40 °C – 90 °C			
Dimensions (w x h x d)	15.0 x 40.0 x 48.0 mm			
Weight (kg/piece)	0.049			
Standards	-			
Approvals	cURus			
Accessories	Colour	Article number	Description	PU
Snap-on socket for hat profile TS35		700499	Socket for attaching of the suppressor module to hat profile TS35 (EN 50022) or G-rails	10

Suppression Technology - Motor suppression

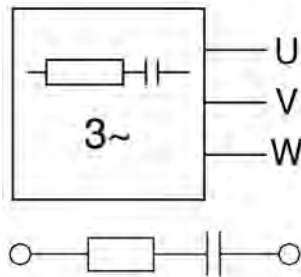
Motor suppression for the screwing in in the motor terminal box
up to 7.5 kW, 3 AC x 575 V
Protection device: RC module



Dimensions



PIN assignment



Description	Part-No.	Type	PU	
Description	RC module	700374	LRC-M5-0374 3 AC 500 V 4 kW	10
	RC module	700379	LRC-M5-0379 3 AC 575 V 7,5 kW	10

Technical data	700374	700379
Function type		Motor suppression
Protection device		RC module
Nominal voltage	3 ACx500 V	3 ACx575 V
Shut-off points		-
Rated frequency		50-60 Hz
Motor performance	4 kW	7.5 kW
Inverse voltage/switching current		-
Holding Capacity		-
Type of connecting lead		PVC 3 x 1.0 mm ²
Length of connecting lead (M)		0.5
Connecting lead		∅ 6.3 mm
Termination	Ring terminal M5	Ring terminal M6
Fittings		PG 9
General		
Form		M5
Status Indication		-
Conductor labelling		-
Housing material		PA 6.6
Protection class		IP 67
Pottant		2-components
Field installation	Can be screwed in directly in the terminal housing, with cable ties at the motor supply line for attachment or with 2 snap-on sockets (accessory)	
Operation temperature range	-20 °C – 60 °C	
Storage temperature range	-40 °C – 90 °C	
Dimensions (w x h x d)	40.0 x 40.0 x 40.0 mm	
Weight (kg/piece)	0.113	
Standards	-	
Approvals	cURus	

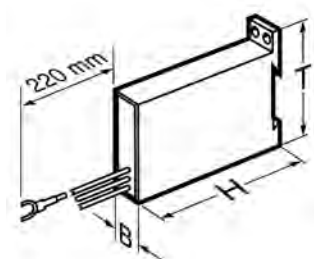
Accessories	Colour	Article number	Description	PU
Snap-on socket for hat profile TS35		700499	Socket for attaching of the suppressor module to hat profile TS35 (EN 50022) or G-rails	10

Suppression Technology - Motor suppression

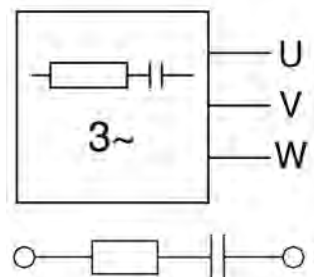
Motor suppression in the M1, M2 and M3 enclosure
for AC motors up to 30 kW, 3 AC x 500 V
Protection device: RC module



Dimensions



PIN assignment



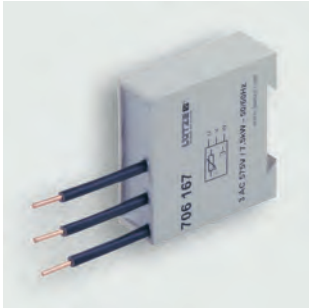
Description	Part-No.	Type	PU	
Description	RC module	700490	LRC-M1-0490 3 AC 500 V 4 kW	10
	RC module	700491	LRC-M2-0491 3 AC 500 V 7,5 kW	10
	RC module	700492	LRC-M2-0492 3 AC 500 V 15 kW	10
	RC module	700493	LRC-M3-0493 3 AC 500 V 30 kW	10

Technical data	700490	700491	700492	700493
Function type	Motor suppression			
Protection device	RC module			
Nominal voltage	3 ACx500 V			
Shut-off points	-			
Rated frequency	50-60 Hz			
Motor performance	4 kW	7.5 kW	15 kW	30 kW
Inverse voltage/switching current	-			
Holding Capacity	-			
Type of connecting lead	H05V-K 1.0 mm ²			
Length of connecting lead (M)	0.22			
Connecting lead	-			
Termination	Fork-type cable lug M4			
Fittings	-			
Suppression type	Motor connection delta			
General				
Form	M1	M2	M3	
Status Indication	-			
Conductor labelling	-			
Housing material	PPO			
Protection class	IP 67			
Pottant	2-components			
Field installation	with mounting hole M4 or attachable to TS 35 (EN 50022) with 2 snap-on sockets each			
Operation temperature range	-20 °C – 60 °C			
Storage temperature range	-40 °C – 90 °C			
Dimensions (w x h x d)	15.0 x 70.0 x 48.0 mm	20.0 x 80.0 x 58.0 mm	25.0 x 90.0 x 58.0 mm	
Weight (kg/piece)	0.066	0.112	0.119	0.120
Standards	-			
Approvals	cURus			
Accessories	Colour	Article number	Description	PU
Snap-on socket for hat profile TS35		700499	Socket for attaching of the suppressor module to hat profile TS35 (EN 50022) or G-rails	10

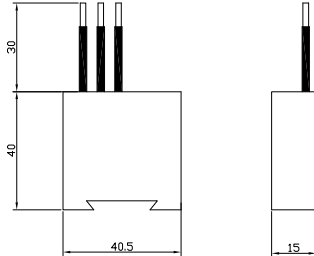
Suppression Technology - Motor suppression

Universal motor suppression: direct attachment to the switch (e.g. Siemens SIRIUS 3RT 10)
also suitable for frequency converters up to 7.5 kW, 3 AC x 575 V

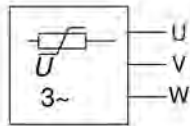
Protection device: Varistor



Dimensions



PIN assignment



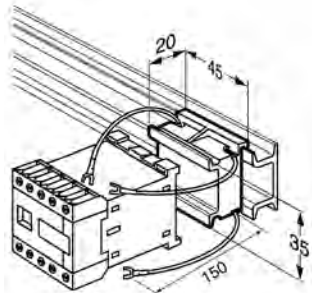
Description	Part-No.	Type	PU
varistor			
Description	varistor	706167	LV-VM1-6167 3 AC 575V 7,5KW
Technical data			
		706167	
Function type	Motor suppression		
Protection device	varistor		
Nominal voltage	3 ACx575 V		
Shut-off points	≤1075 V		
Rated frequency	10–400 Hz		
Motor performance	7.5 kW		
Inverse voltage/switching current	–		
Holding Capacity	–		
Type of connecting lead	H07V-U 1.5 mm ² , black		
Length of connecting lead (M)	0.03		
Connecting lead	–		
Termination	stripped cable ends		
Fittings	–		
General			
Form	VM1		
Status Indication	–		
Conductor labelling	–		
Housing material	PPO		
Protection class	IP 67		
Pottant	2-components		
Field installation	for direct attachment to switches		
Operation temperature range	-20 °C – 60 °C		
Storage temperature range	-40 °C – 90 °C		
Dimensions (w x h x d)	15.0 x 40.0 x 40.5 mm		
Weight (kg/piece)	0.015		
Standards	–		
Approvals	cURus		

Suppression Technology - Motor suppression

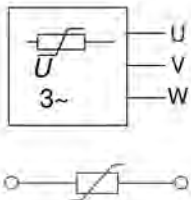
As substructure for protection types up to 45 mm wide
 2.5 kW, 3 AC x 400 V
 Protection device: Varistor



Dimensions



PIN assignment



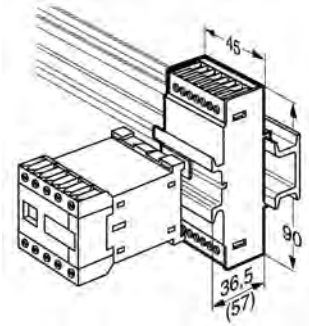
Description	Part-No.	Type	PU
varistor			
Description	varistor	700217	LV-S9-0217 3 AC 400 V 2,5 kW
Technical data			
		700217	
Function type	Motor suppression		
Protection device	varistor		
Nominal voltage	3 ACx400 V		
Shut-off points	≤745 V		
Rated frequency	10–400 Hz		
Motor performance	2.5 kW		
Inverse voltage/switching current	–		
Holding Capacity	–		
Type of connecting lead	H05V-K 1.0 mm ²		
Length of connecting lead (M)	0.15		
Connecting lead	–		
Termination	Fork-type cable lug M4		
Fittings	–		
General			
Form	S9		
Status Indication	–		
Conductor labelling	–		
Housing material	PC		
Protection class	IP 20		
Pottant	–		
Field installation	rail TS 35 (EN 50022)		
Operation temperature range	-20 °C – 60 °C		
Storage temperature range	-40 °C – 90 °C		
Dimensions (w x h x d)	40.0 x 20.0 x 35.0 mm		
Weight (kg/piece)	0.036		
Standards	–		
Approvals	–		

Suppression Technology - Motor suppression

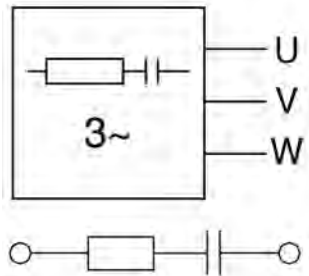
As substructure for protection types up to 45 mm wide
 up to 15 kW, 3 AC x 575 V
 Protection device: RC module



Dimensions



PIN assignment



Description	Part-No.	Type	PU	
Description	RC module	700190	LRC-UC-0190 3 AC 500 V 4 kW	10
	RC module	700191	LRC-UC-0191 3 AC 500 V 7,5 kW	10
	RC module	700192	LRC-UC-0192 3 AC 500 V 15 kW	10

Technical data	700190	700191	700192
Function type		Motor suppression	
Protection device		RC module	
Nominal voltage		3 ACx575 V	
Shut-off points		-	
Rated frequency		50-60 Hz	
Motor performance	4 kW	7.5 kW	15 kW
Inverse voltage/switching current		-	
Holding Capacity		-	
Type of connecting lead		H05V-K 1.0 mm ²	
Length of connecting lead (M)		0.2	
Connecting lead		-	
Termination		3 wires with fork-type cable lug M4	
Fittings		-	
Suppression type		-	
General			
Form		UC	
Status Indication		-	
Conductor labelling		-	
Housing material		PC	
Protection class		IP 20	
Pottant		-	
Field installation		rail TS 35 (EN 50022)	
Operation temperature range		-20 °C – 60 °C	
Storage temperature range		-40 °C – 90 °C	
Dimensions (w x h x d)		40.0 x 36.5 x 90.0 mm	
Weight (kg/piece)	0.086	0.110	0.120
Standards		-	
Approvals		-	

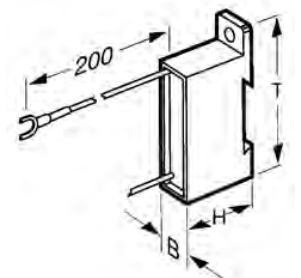
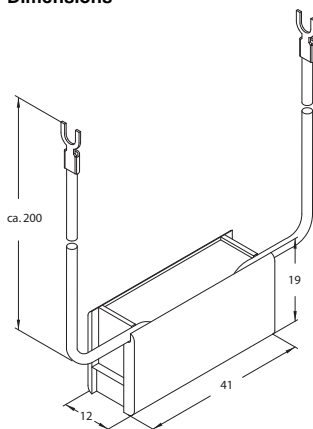
Suppression Technology - Components with special function

Adjustable switch-on delays, time range 0.5 s - 20 s

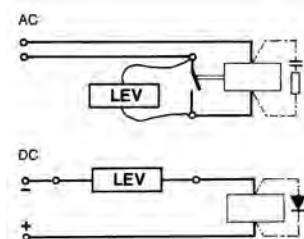
Enclosure type: S2, V1
for AC and DC operation



Dimensions



PIN assignment



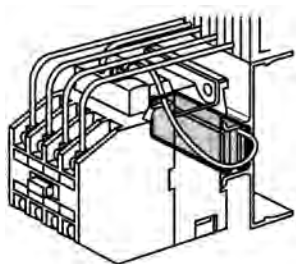
Description	Part-No.	Type	PU	
Nominal voltage	AC/DC 24–230 V	700527	LEV-S2-0527 AC/DC 24-230 V	10
	AC/DC 24–230 V	700529	LEV-V1-0529 AC/DC 24-230 V	10

Technical data	700527	700529
Function type	Switch-on delay	
Protection device	–	
Nominal voltage	AC/DC 24–230 V	
Rated frequency	50–60 Hz	
Voltage trim range	0.5 s–20 s over potentiometer	
Repeat accuracy	<15 %	
Type of connecting lead	PVC 0.5 mm ²	
Length of connecting lead (M)	0.2	
Connecting lead	–	
Termination	Fork-type cable lug M4	
General		
Form	S2	V1
Pottant	2-components	
Housing material	PPO	
Protection class	IP 20	
Field installation	insertable in top Din rail or with retaining clips (accessory)	with mounting hole M4 or attachable to hat profile TS 35 with snap-on socket (accessory)
Operation temperature range	-20 °C – 60 °C	
Storage temperature range	-40 °C – 90 °C	
Dimensions (w x h x d)	41.0 x 19.0 x 12.0 mm	12.5 x 48.0 x 25.0 mm
Weight (kg/piece)	0.016	0.020
Standards	–	
Approvals	–	

Accessories	Colour	Article number	Description	PU
Snap-on socket for hat profile TS35		700499	Socket for attaching of the suppressor module to hat profile TS35 (EN 50022) or G-rails	10
Retaining clip for type S2	transparent	700419	For the mounting of the suppressor module to the connection wires	10

Comments

Mounting diagram



Mounting diagram

