



Semiconductor Fuses AC+DC Square-boby Fuse Bases Bases for PSC ranges: SI TT, SI 000/00, SI DIN

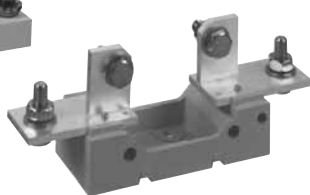
SI TT
for stud-type fuses



SI 00
for bracket-type fuses



SI 000
for bracket-type fuses



SI DIN 80 and 110
for blade-type fuses

STANDARD VERSION SI FUSEHOLDERS FOR STUD-TYPE FUSES, FOR BLADE-TYPE FUSES SI 00 AND SI 000, FOR BRACKET-TYPE FUSES SI DIN 80 AND DIN 110

- MOUNTING IN ONE-POLE FUSEHOLDER SIMPLIFIES FUSE REPLACEMENT FOR INSTALLATIONS CONNECTED WITH CABLES AND BARS
- FOR TTF STUD-TYPE FUSES
FOR BLADE AND BRACKET-TYPE FUSES AS PER DIN 43653 STANDARD
SIZES: 000 - 00, 80 MM BETWEEN AXES
SIZES: 0 - 1 - 2 - 3, 80 AND 110 MM BETWEEN AXES
- FOR TTF VERSION STUDS ARE DELIVERED WITH THE FUSE HOLDER
- FINGER SAFE VERSION AVAILABLE

Main characteristics

Designation	Insulation voltage U_i (AC 50/60 Hz & DC) (V)	Rating Current (A)	Maximum power* (W)	Dielectric withstand test		Fire and fumes class
				RMS voltage 1 mn 50/60 Hz (kV)	Impulse voltage 1.2/50ms (kV)	
SI TT 30/31	1500 V	1000	53 - 75	10	12	UL 94 VO
SI TT 70/71	1500 V	1000	53 - 75	10	12	
SI TT 32/33	1500 V	2500	100	10	12	
SI TT 72/73	1500 V	2500	100	10	12	
SI 000 DIN 80	700 V	400	24	7	8	UL 94 VO
SI 00 DIN 80	700 V	400	28	8	12	UL 94 VO
SI DIN 80 630 (30 to 33)	1500 V	2500	95	10	12	UL 94 VO
SI DIN 110 630 (30 to 33 - 70 to 73)	1500 V	2500	95	10	12	
SI DIN 80 1250 (30 to 33)	1500 V	2500	110	10	12	
SI DIN 110 1250 (30 to 33 - 70 to 73)	1500 V	2500	110	10	12	

Vibration withstand for standard version:

Tests with sine vibrations carried out at ambient with scanning each of the three main axes of the holder.

Spectrum: 1st segment (2 to 16 Hz) constant displacement $x = 5$ mm peak.

2nd segment (16 to 250 Hz) constant acceleration $= 5$ g peak.

Exponential scanning speed: 1 octave per minute.

Duration: 2 hours per axis.

Semiconductor Fuses

AC+DC Square-boby Fuse Bases

Bases for PSC ranges: SI TT, SI 000/00, SI DIN



STANDARD VERSION SI FUSEHOLDERS

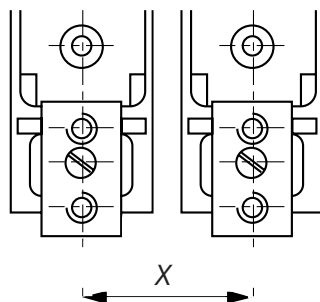
Reference and catalog numbers

Designation	Ref. Number	Weight (g)	Packaging	Catalog Number
SI TT 30/31	B 301232	1 960	1	SITT30/31
SI TT 70/71	C 301233	1 960	1	SITT70/71
SI TT 32/33	D 301234	2 900	1	SITT32/33
SI TT 72/73	E 301235	2 900	1	SITT72/73
SI 000 DIN 80	C 220710	90	12	SI000DN80
SI 00 DIN 80	Q 098040	205	3	SI00DN80
C - CLO*	M 091344	37	2	CLO
SI DIN 80 630	L 098772	625	1	SIDN80630A
SI DIN 110 630	F 098031	625	1	SIDN110630A
SI DIN 80 1250	F 098560	885	1	SIDN801250A
SI DIN 110 1250	L 091941	885	1	SIDN1101250A

* Necessary for SI 00 DIN 80 one-pole mounting.

Distance "X" Between Poles Axes (Without Partition)

Designation	Fuses sizes	Operating voltage U				
		400V	550V	690V	1000 V	1250 V
SI TT 30/31	30 - 31	58,5	61	65	71	76
SI TT 70/71	70 - 71					
SI TT 32/33	32 - 33	79,5	84,5	88,5	94,5	99,5
SI TT 72/73	72 - 73					
SI 000 DIN 80	000	25	35	39	45	50
SI 00 DIN 80	00	46,5	46,5	46,5	50	55
SI DIN 80	30 - 31	58,5	61	65	71	76
630/1250	32 - 33	79,5	84,5	88,5	94,5	99,5
SI DIN 110	30 - 31 - 70 - 71	58,5	61	65	71	76
630/1250	32 - 33 72 - 73	79,5	84,5	88,5	94,5	99,5



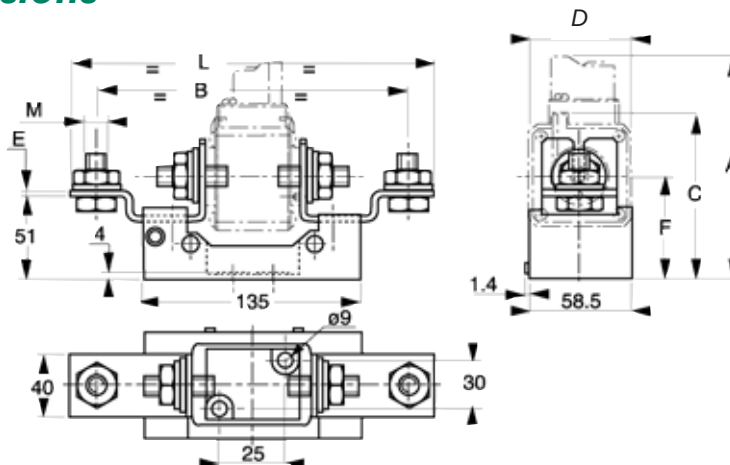


Semiconductor Fuses AC+DC Square-boby Fuse Bases Bases for PSC ranges: SI TT, SI 000/00, SI DIN

STANDARD VERSION SI FUSEHOLDERS

Connection dimensions

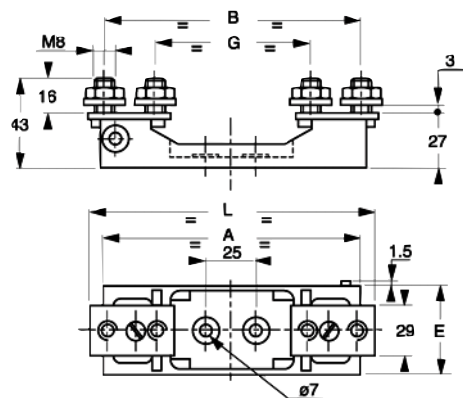
SI TT



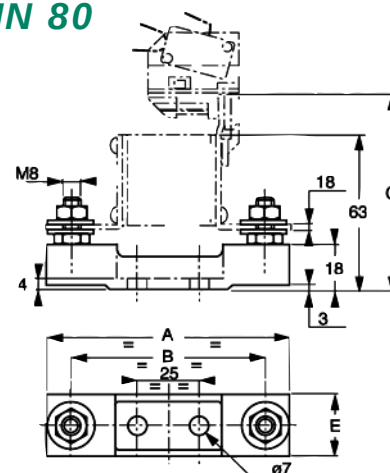
Designation	A	B	C	D	E	G	L	M	F	Catalog Number
SI TT 30/31	118(30) 123(31)	170	83 (30) 88 (31)	42(30) 51(31)	4	50,6	202	M8	57	
SI TT 70/71	118(70) 123(71)	193	83 (70) 88 (71)	42(70) 51(71)	4	74	225	M8	67	
SI TT 32/33	137(32) 145(33)	170	93 (32) 109 (33)	60(32) 75(33)	6	50,6	202	M10 (32) M12 (33)	57	
SI TT 72/73	137(72) 145(73)	193	93 (72) 109 (73)	60(72) 75(73)	6	71	225	M10 (32) M12 (33)	67	

Partition mounting not possible. Panel drilling: 25x30 mm

SI 00 DIN 80



SI 000 DIN 80



Designation	A	B	C	D	E	G	L	Fuse sizes	Catalog Number
SI 000 DIN 80	100	80	80	19	25	80	100	000-17x49-27x60 DIN 80	
SI 00 DIN 80	133	130			46.5	79	148	00-27x60 DIN 80	

Partition mounting only for SI 00 DIN 80

* Electrical connection of fuse and fuse holder via supplied studs, nuts and washers
Maximum recommended tightening torque: 13.5 Nm for M8 screws.

26 Nm for M10 screws.

46 Nm for M12 screws.

- Fixing of base on plate or bar via screws not supplied.

M6 for SI 000 and SI 00 Tightening torque 7 ± 15 Nm.

M8 for SI TT Tightening torque 10 ± 2 Nm.

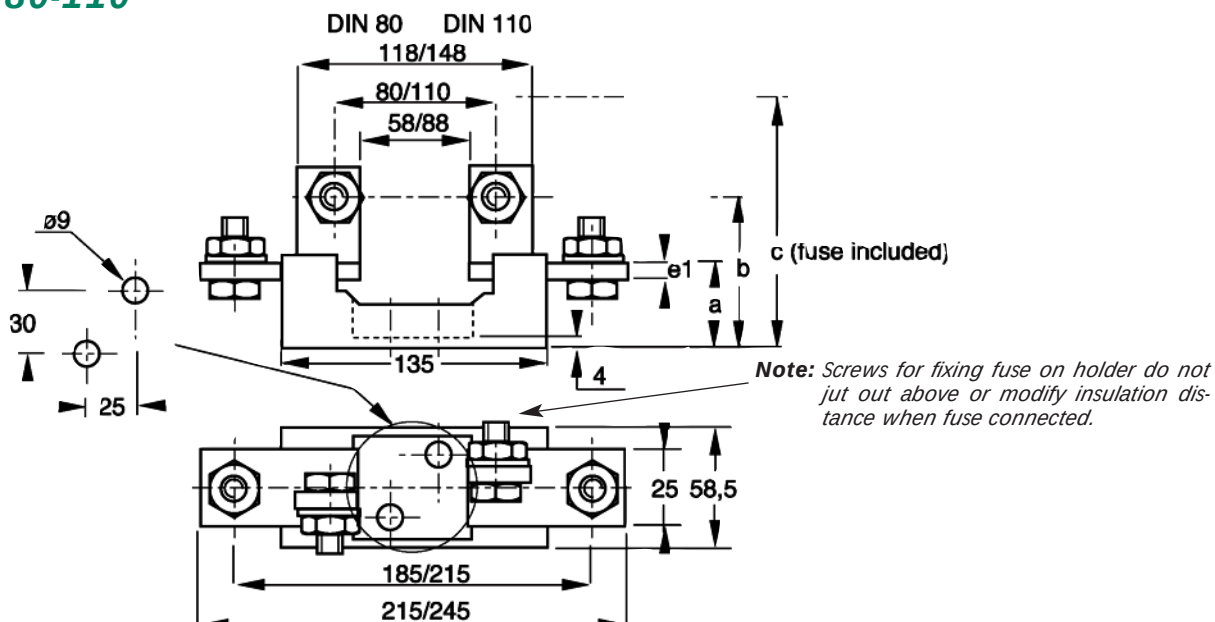
Semiconductor Fuses

AC+DC Square-boby Fuse Bases

Bases for PSC ranges: SI TT, SI 000/00, SI DIN

STANDARD VERSION SI FUSEHOLDERS

SI DIN 80-110



Designation	a	e1	b	c	Fuse Size	Catalog Number
SI DIN 80 630	40	5	68	93.5	30 D08	
				99.0	31 D08	
				103.5	32 D08	
				110.3	33 D08	
SI DIN 110 630	40	5	68	93.5	30-70 D11	
				99.0	31-71 D11	
				103.5	32-72 D11	
				110.3	33-73 D11	
SI DIN 80 1 250	45	10	73	98.5	30 D08	
				104	31 D08	
				108.5	32 D08	
				115.3	33 D08	
SI DIN 110 1 250	45	10	73	98.5	30-70 D11	
				104	31-71 D11	
				108.5	32-72 D11	
				115.3	33-73 D11	

Partition mounting impossible

* Electrical connection of fuse and wires by M10x30 screws made in plated steel minimum 8-8 class.

Screws included.

Maximum recommended tightening torque: 44 ± 0.8 Nm for M10 screw.

- Fixing of base with screws not supplied: M8. Tightening torque 10 ± 2 Nm.



Semiconductor Fuses AC+DC Square-body Fuse Bases IP20 Fuse blocks for PSC range 3x, 7x & 000/00



Fusegear, for semiconductor fuse square body

Highlights:

IP20 Touch Safe

- SI Fuse holders for stud-type fuses, for blade-type fuses
- SI 00 and SI 000  for bracket-type fuses
- SI DIN 80 and DIN 110

Applications:

- Mounting in one-pole IP 20 fuseholder simplifies fuse usage outside convertisers for installations connected with cables and bars.
- For TTF stud-type fuses
- For blade and bracket-type fuses as per DIN 43653 standard
sizes 000 - 00: 80 mm between axes
sizes 0 - 1 - 2 - 3: 80 and 110 mm between axes
- Suitable with or without microswitches installed on fuses.
- Fixation on rail or by screw.

Main characteristics

IP 20 Fuse blocks	Insulation voltage UI (AC 50/60 Hz & DC)	Current	Maximum Fuse operating current	Dielectric withstand test		Fire and smokes Class
				RMS voltage 1mn 50:60 Hz	Impulse voltage 1,2/50 microsec	
SI TT 30/31	1500 V	1000 A	See following page	10 kV	12 kV	UL 94 VO
SI TT 70/71	1500 V	1000 A		10 kV	12 kV	
SI TT 32/33	1500 V	2500 A		10 kV	12 kV	
SI TT 72/73	1500 V	2500 A		10 kV	12 kV	UL 94 VO UL 94 VO
SI 000 DIN 80	700 V	400 A		7 kV	8 kV	
SI 00 DIN 80	700 V	400 A		8 kV	12 kV	UL 94 VO
SI DIN 80/630 (30 TO 33)	1500 V	2500 A		10 kV	12 kV	
SI DIN 110/630 (30 TO 33-70 TO 73)	1500 V	2500 A		10 kV	12 kV	

Vibration withstand:

Tests with sine vibrations carried out at ambient with scanning each of the three main axes of the holder.

Spectrum : 1st segment (2 to 16 Hz) constant displacement $x = 5$ mm peak.

2nd segment (16 to 250 Hz) constant acceleration $g = 5g$ peak.

Exponential scanning speed : 1 octave per minute.

Duration : 2 hours per axis.



Semiconductor Fuses

AC+DC Square-boby Fuse Bases

IP20 Fuse blocks for PSC range 3x, 7x & 000/00

Fusegear, for semiconductor fuse square body

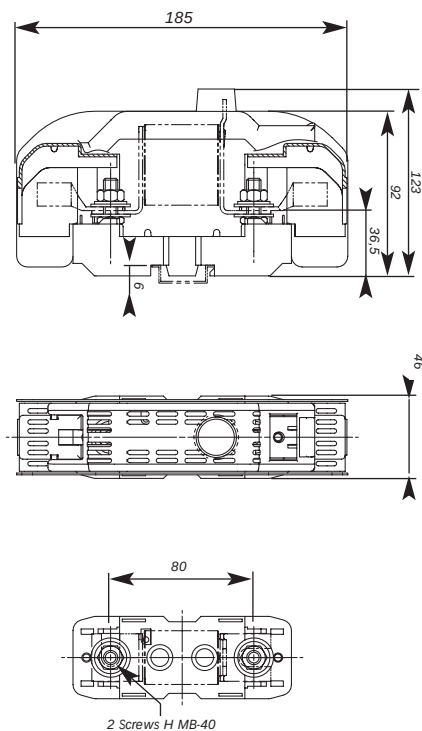
References – Catalog Numbers

Sizes	Impossible to use Microswitch			Microswitch can be used		
	TTF	DIN 80	DIN 110	TTF	DIN 80	DIN 110
000		B227218 SI000FS1DN80R			V227672 SI000FS1DN80RM	
00		C227219 SI00FS1DN80R			W227673 SI00FS1DN80RM	
30	N320701 SI30-31FS1TTR	L320745 SI30-32FS1DN80R	X320755 SI0-1-2FS1DN11R	P320725 SI30-31FS1TTRM	E320750 SI3033FS1DN80RM	320760 SI0-3FS1DN11RM
31						
32	S320705 SI32FS1TTR			V320730 SI32-33FS1TTRM		
33	Y320710 SI33FS1TTR	R320750 SI3033FS1DN80RM	C320760 SI0-3FS1DN11RM	A320735 SI70-71FS1TTRM		
70	D320715 SI70-71FS1TTR		X320755 SI0-1-2FS1DN11R			C320760 SI0-3FS1DN11RM
71				F320740 SI72-73FS1TTRM		
72	J320720 SI72-73FS1TTR		C320760 SI0-3FS1DN11RM			
73						

at 690V le = 220 Arms (IRMS in application)
Packaging: 3 pieces.

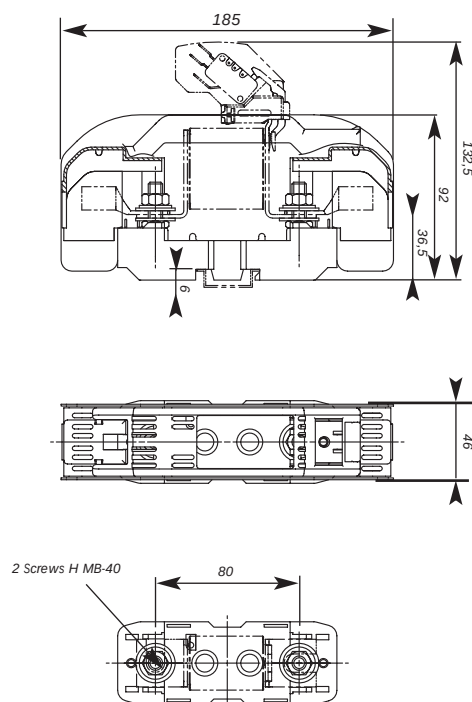
Outlet drawings

SI00FS1DN80R



Front view
without IP 20 Protection

SI00FS1DN80RM



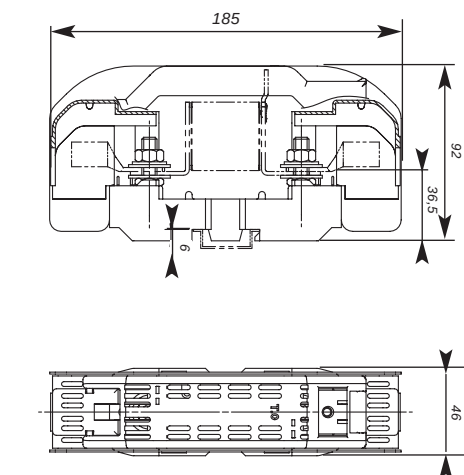
Front view
without IP 20 Protection



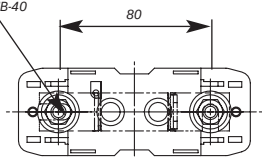
Semiconductor Fuses AC+DC Square-boby Fuse Bases IP20 Fuse blocks for PSC range 3x, 7x & 000/00

Outlet drawings

SI000FS1DN80R

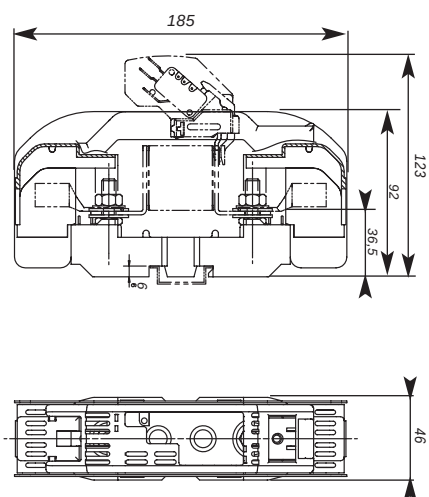


2 Screws H MB-40

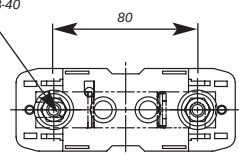


Front view
without IP 20 Protection

SI000FS1DN80RM

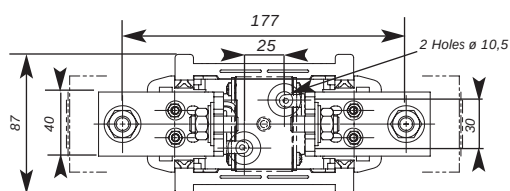
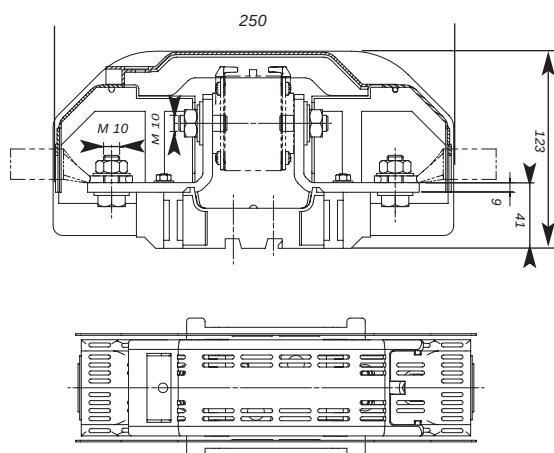


2 Screws H MB-40



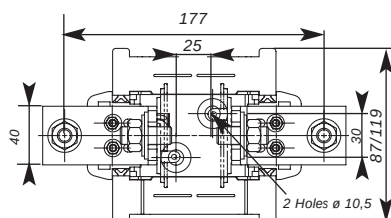
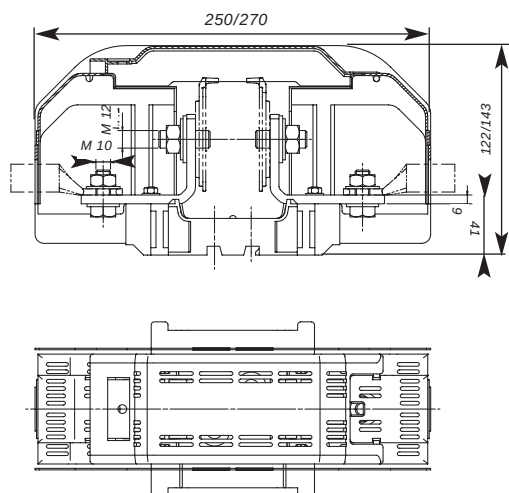
Front view
without IP 20 Protection

SI30-31FS1TTR



Front view
without IP 20 Protection

SI32FS1TTR / SI33-31FS1TTR



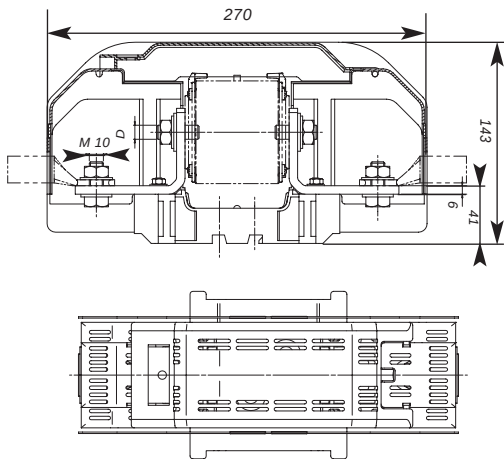
Front view
without IP 20 Protection



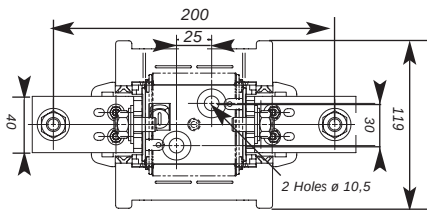
Semiconductor Fuses AC+DC Square-boby Fuse Bases IP20 Fuse blocks for PSC range 3x, 7x & 000/00

Outlet drawings

SI72-73FS1TTR

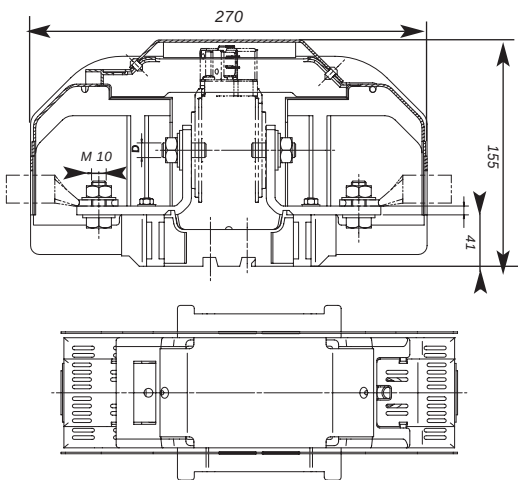


Taille	D
72	M 10
73	M 12

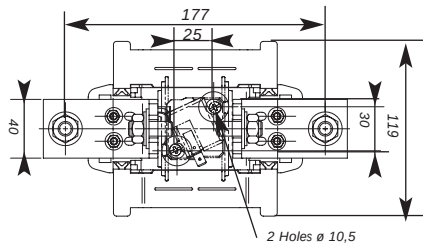


Front view
without IP 20 Protection

SI32-33FS1TTRM

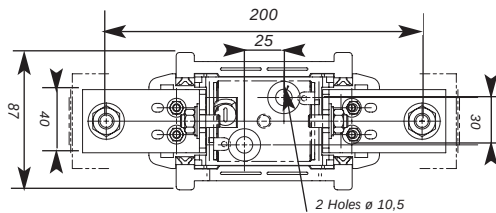
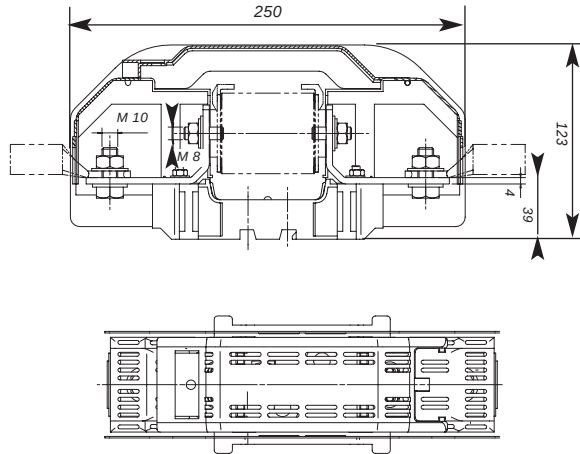


Taille	D
32	M 10
33	M 12



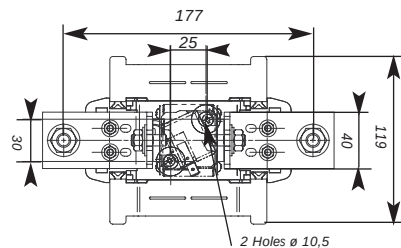
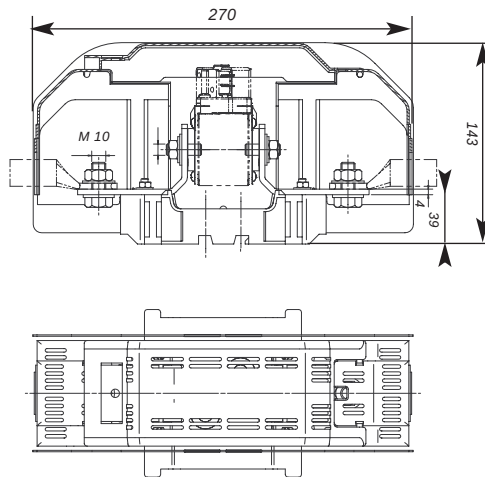
Front view
without IP 20
Protection

SI70-71FS1TTR



Front view
without IP 20 Protection

SI30-31FS1TTRM



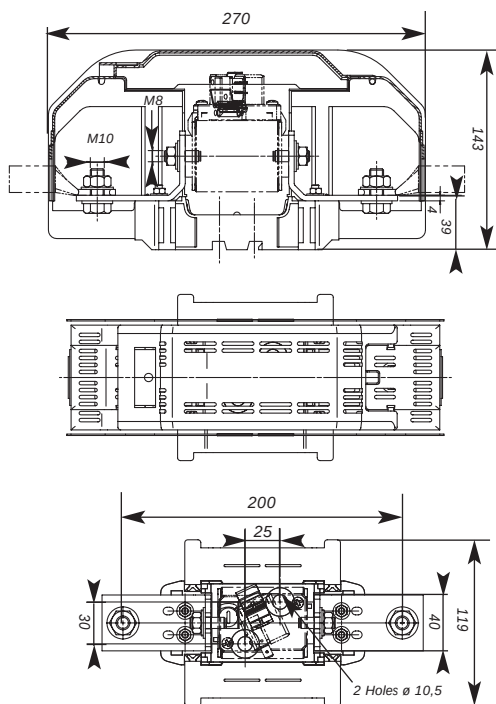
Front view
without IP 20 Protection



Semiconductor Fuses AC+DC Square-boby Fuse Bases IP20 Fuse blocks for PSC range 3x, 7x & 000/00

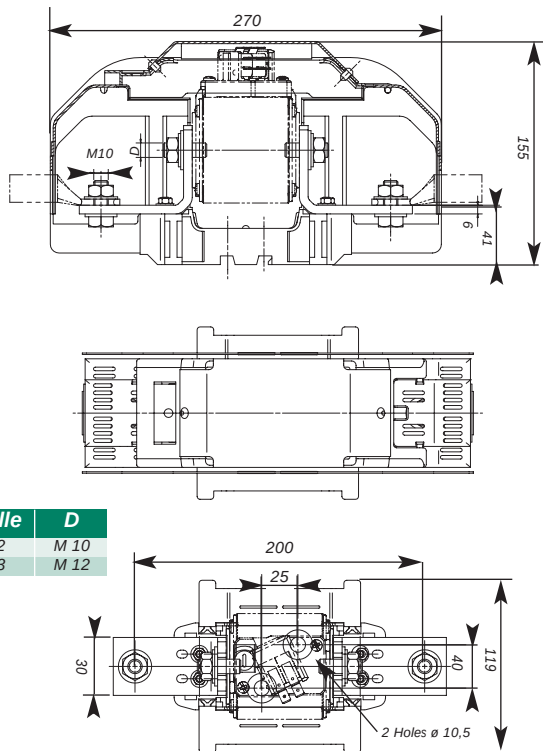
Outlet drawings

SI70-71FS1TTRM



Front view
without IP 20 Protection

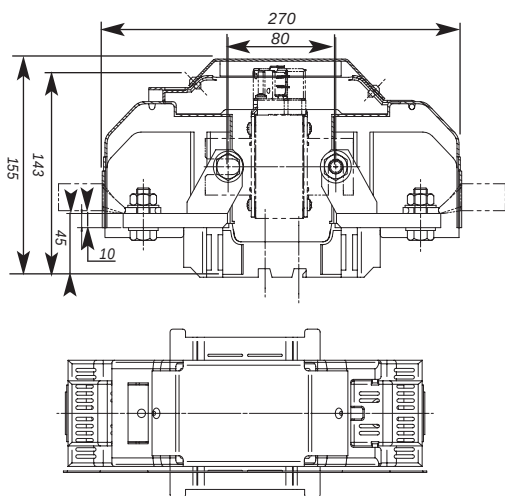
SI72-73FS1TTRM



Front view
without IP 20 Protection

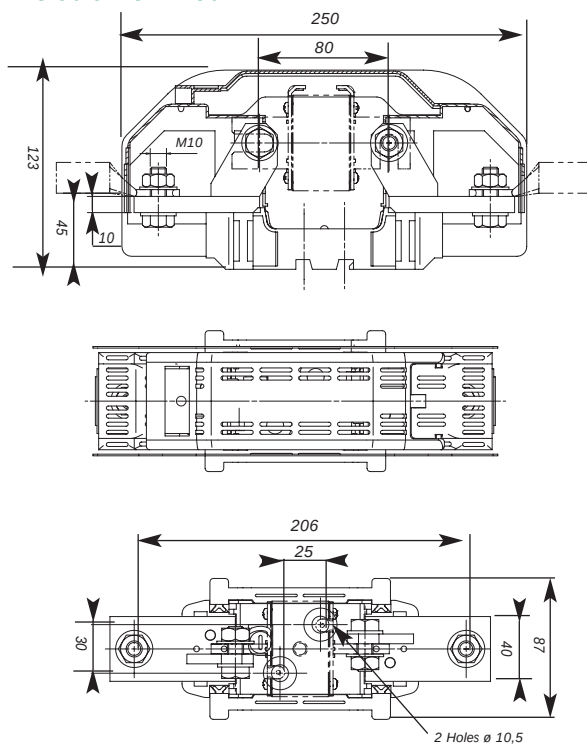
Taille	D
72	M 10
73	M 12

SI30-33-FS1DN80RM



Front view
without IP 20
Protection

SI30-32FS1DN80R



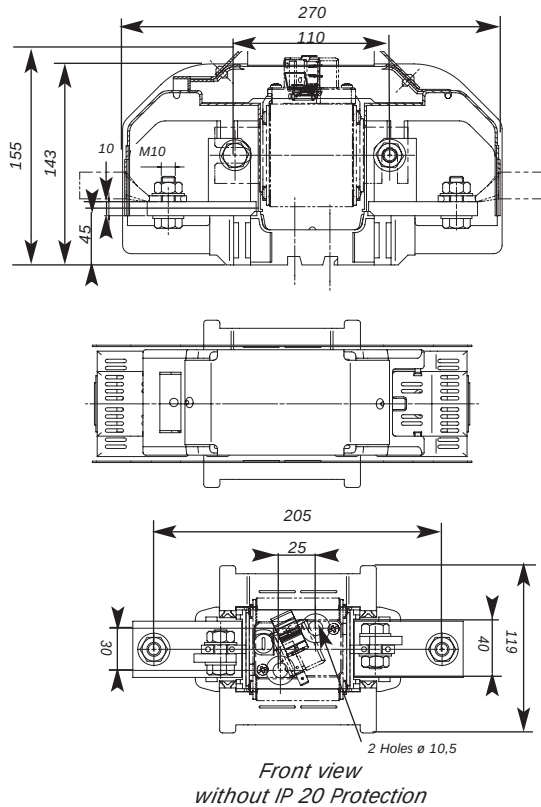
Front view
without IP 20 Protection



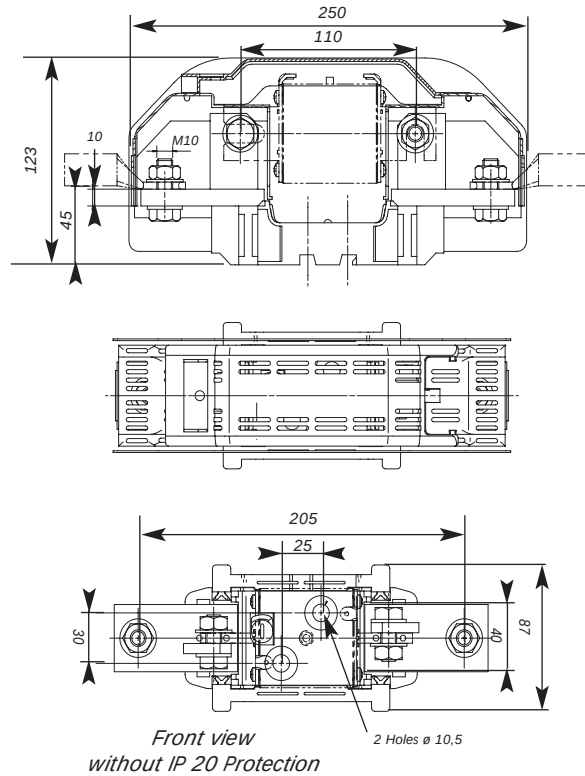
Semiconductor Fuses AC+DC Square-boby Fuse Bases IP20 Fuse blocks for PSC range 3x, 7x & 000/00

Outlet drawings

SI0-3FS1DN11RM



SI0-1-2FS1DN11R



Maximum fuse operating current

Derating current for sizes 000 and 00 DIN 80 fuses used on IP 20 fuse holders

Fuse nominal rating I_N (A)	I / I_N Fuse holders			
	Size 000		Size 00	
	690V gRB	690V URB	690V gRB	690V URB
16			1	
20	1		1	
25	1		1	
32	1		1	
40	1		1	
50	1		1	
63	1		1	
80	1	1	1	1
100	1	1	1	1
125	0,90	0,90	0,90	0,90
160		0,85	0,90	0,85
200		0,85		0,85
250		0,8		0,80
315		0,70		0,75
350		0,70		0,75
400		0,65		0,70
450				0,65

Note: limited at $I_e = 220$ Arms (IRMS in application)



Semiconductor Fuses AC+DC Square-boby Fuse Bases IP20 Fuse blocks for PSC range 3x, 7x & 000/00



Maximum fuse operating current

Derating current for 690V URD fuses sizes 30, 31, 32, 33 TTF, DIN 80, DIN 110 used on IP 20 fuse holders.

Fuse nominal rating I_N (A)	I / I_N Fuse holders			
	690V URD 30	690V URD 31	690V URD 32	690V URD 33
63	1			
80	1			
100	1			
125	1			
160	1			
200	1	1		
250	1	1		
315	1	0,95		
350	1	0,95		
400	0,95	0,90	0,80	
450	0,70	0,85	0,75	
500	0,70	0,85	0,70	0,60
550	0,65	0,80	0,65	0,55
630		0,70	0,60	0,50
700		0,70	0,55	0,50
800		0,55	0,50	0,45
900			0,50	0,45
1000			0,45	0,40
1100			0,45	0,40
1250			0,30	0,30

Maximum fuse operating current

Derating current for 690V gRB fuses sizes 70, 71, 72, 73 TTF and DIN 110 used on IP 20 fuse holders.

Fuse nominal rating I_N (A)	I / I_N Fuse holders			
	690V gRB 70	690V gRB 71	690V gRB 72	690V gRB 73
50	1			
63	1			
80	1			
100	1			
125	1	1		
160	1	1		
200	1	1	1	
250	1	1	1	
315	1	1	1	0,90
350	1	1	1	0,85
400		1	0,95	0,85
450		1	0,85	0,75
500		0,95	0,85	0,70
550			0,80	0,70
630			0,70	0,65
700			0,65	0,60
800				0,60
900				0,50
1000				0,50



Semiconductor Fuses

AC+DC Square-boby Fuse Bases

IP20 Fuse blocks for PSC range 3x, 7x & 000/00

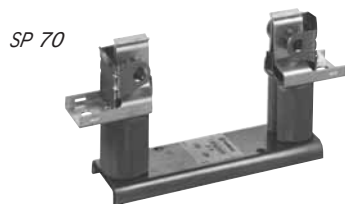
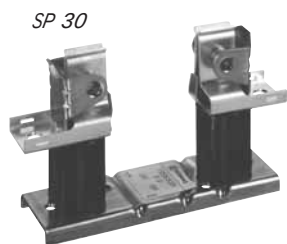


Maximum fuse operating current

Derating current for 1250V URD fuses size 70, 71, 72, 73, TTF and DIN 110 used on IP20 fuse holders, consult us.



Semiconductor Fuses AC+DC Square-boby Fuse Bases Bases for other Blade Fuses - Size 30 to 123: SE, SP, SF



SP - SE - SF FUSEHOLDERS FOR "E" BLADE-TYPE FUSES

- MOUNTING IN ONE-POLE FUSEHOLDER SIMPLIFIES REPLACEMENT OF FUSES FOR INSTALLATIONS CONNECTED WITH CABLES AND BARS
- FOR "E" BLADE-TYPE FUSES
 - ELASTIC TIGHTENING FOR SIZES 0 TO 2
 - BOLTED TIGHTENING FOR SIZE 3

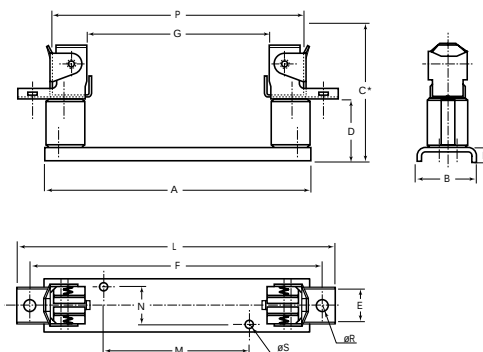
Main Characteristics

Designation	Catalog Number	Insulation voltage (V) U_i	Current (A)	Maximum power* (W)	Dielectric withstand test (kV)	
		(AC 50/60 Hz & DC)			RMS voltage 1 mn 50/60 Hz	Impulse voltage 1.2/50µs
SP 30		1 250	550	31	13	20
SP 70		1 500	630	31	13	20
SP 43 120		2 500	200		13	20
SE 31		1 250	800	59	13	20
SE 32		1 250	1 800	95	13	20
SE 71		1 500	1 000	59	13	20
SE 72		1 500	1 250	95	13	20
SE 43-91		2 000	350		13	20
SE 43-92		2 000	500		13	20
SE 43 121		2 500	315		13	20
SE 43 122		2 500	500		13	20
SF 50-33		3 200	2 500	110	24	20
SF 50-73		3 200	1 800	110	24	20
SF 50-93		3 200	1 800		24	20
SF 50-123		3 200	1 800		24	20

* Maximum fuse operating current: see fuses data sheet.

Dimensions

Drawing #1 "SP" elastic tightening

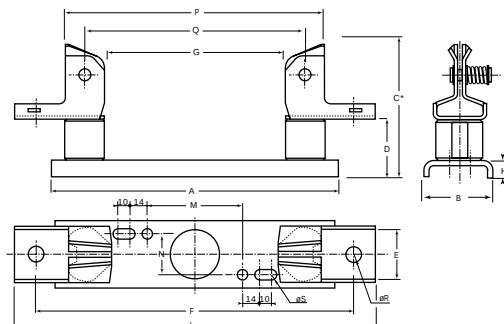


Semiconductor Fuses

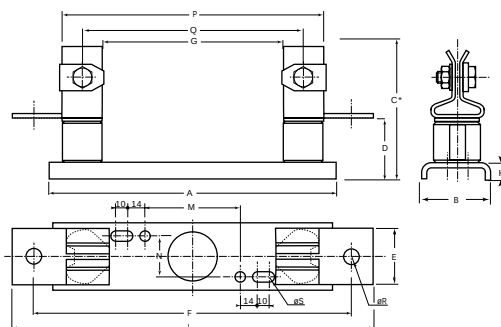
AC+DC Square-boby Fuse Bases

Bases for other Blade Fuses - Size 30 to 123: SE, SP, SF

Drawing #2 "SE" elastic tightening



Drawing #3 "SF" bolted tightening



NB: For SF 50-33 types fixing dimension 14 becomes 12.5

Designation	Cat. Number	Drawing #	A	B	C*	D	E	F	G	H	L	M	N	P	Q	Ø R	Ø S
SP 30		1	138	42	109	46	26	134.5	54.5	8.5	155	52	28	98.5		8.5	5.5
SP 70		1	148	42	110.5	47.5	26	168	88	10	188	60	28	138		8.5	5.5
SP 43 120		1	194.5	42	125	54.5	26	214.5	134.5	10	234.5	106.5	28	184		8.5	5.5
SE 31		2	148	42	116	46.5	32	158.5	61.5	8.5	190.5	60	28	111.5	86.6	10.5	5.5
SE 32		2	150	54	126	49	42	180	56	10	216	45	35	126	91	12.5	8.5
SE 71		2	148	42	116	46.5	32	182	85	8.5	214	60	28	135	110	10.5	5.5
SE 72		2	150	54	126	49	42	204	80	10	240	45	35	150	115	12.5	8.5
SE 43-91		2	174	42	123	48	32	209	111	10	241	86	28	161	136	10.5	5.5
SE 43-92		2	176	54	133	50	42	230	106	15	266	23	35	176	141	12.5	8.5
SE 43 121		2	204.5	42	130	54	32	238.5	141.5	10	270.5	116.5	28	191.5	166.5	10.5	5.5
SE 43 122		2	230.5	54	140	60	42	260.5	136.5	15	296.5	77.5	35	206.5	171.5	12.5	8.5
SF 50-33		3	150	60	171	65	40	186	56	15	226	NBfig.3	35	126	91	18	8.5
SF50-73		3	174	60	171	65	40	210	80	15	250	21	35	150	115	18	8.5
SF 50-93		3	200	60	176	70	40	236	106	15	276	47	35	176	141	18	8.5
SF 50-123		3	230.5	60	176	70	40	266.5	136.5	15	306.5	77.5	35	206.5	171.5	18	8.5

* Dimension with fuse.

– Electrical connection of fuseholder and wires by screws made in plated steel 8-8 class (not supplied).

Maximum recommended tightening torque:

M8 : 22 $\begin{smallmatrix} +0 \\ -8 \end{smallmatrix}$ Nm

M12 : 76 $\begin{smallmatrix} +0 \\ -8 \end{smallmatrix}$ Nm

M16 : 100 $\begin{smallmatrix} +0 \\ -10 \end{smallmatrix}$ Nm

– Fixing of base with screws:

M5 (for sizes 0 and 1) : 7 $\pm$ 1,5 Nm

M8 (for sizes 2 and 3) : 22 $\begin{smallmatrix} +0 \\ -8 \end{smallmatrix}$ Nm



Semiconductor Fuses AC+DC Square-boby Fuse Bases Bases for other Blade Fuses - Size 30 to 123: SE, SP, SF

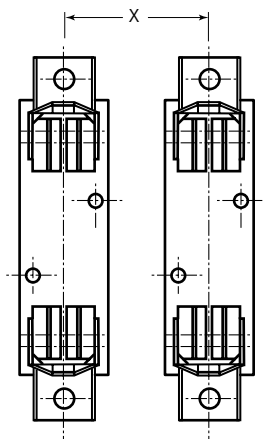
**SP - SE - SF FUSEHOLDERS
FOR "E" BLADE-TYPE FUSES**

References

Designation	Ref. Number	Catalog Number	Weight (g)	Packaging
SP 30	T 096939	SP30	370	1
SP 70	F 096099	SP70	400	1
SP 43 120	W 226247	SP43-120	500	1
SE 31	J 098701	SE31	435	1
SE 32	K 098702	SE32	900	1
SE 71	V 098711	SE71	470	1
SE 72	W 098712	SE72	940	1
SE 43-91	X 226179	SE43-91	955	1
SE 43-92	Y 226180	SE43-92	955	1
SE 43 121	T 226245	SE43-121	540	1
SE 43 122	V 226246	SE43-122	1 026	1
SF 50-33	B 209186	SF50-33	1 550	1
SF 50-73	C 209187	SF50-73	1 590	1
SF 50-93	X 209090	SF50-93	1 625	1
SF 50-123	Y 209091	SF50-123	1 720	1

Distance "X" between Pole axes (without partition)

	Designation	Operating voltage U						
		400 V	550 V	690 V	750 V	1 000 V	1 250 V	1 500 V
Without partition	SP 30 SP 70 SP 43 120	45	50	54	55	60	65	68
	SE 31 SE 71 SE 43-91 SE 43-121	56	61	65	66	71	76	79
	SE 32 SE 72 SE 43-92 SE 43-122	65	70	74	75	80	85	88
	SF 50-33 SF 50-73 SF 50-93 SF 50-123	79,5	84,5	88,5	89,5	94,5	99,5	102,5

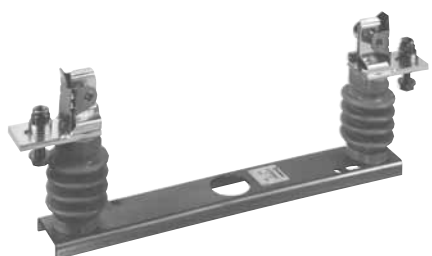




Semiconductor Fuses AC+DC Square-boby Fuse Bases Bases for DC other Blades Fuses - Size 300 & 602: SPV



FUSE HOLDERS FOR BLADE-TYPE CV3 FUSES



- STURDY ASSEMBLY WITH VERY HIGH COLLISION AND TEMPERATURE WITHSTAND
- MOUNTING AS BASES
- FIBER-GLASS POLYESTER OR CERAMIC INSULATORS FOR BASIC APPLICATIONS, IN CORROSIVE ATMOSPHERES OR IN TRACTION
- VERY HIGH COLLISION WITHSTAND FOR TRACTION INTERLOCKING OF REPLACEMENT PART
- COMPLYING WITH IEC 77 STANDARD

Main Characteristics

Designation	Catalog Number	Insulation voltage (V)	Current (A)	Dielectric withstand test (kV)		Fire and fumes class
		Ui (AC 50/60 Hz & DC)		RMS voltage 1 mn 50/60 Hz	Impulse voltage 1.2/50µs	
SPV 300		7 200	180	20	40	UL 94 VO
SPV 600		7 200	180	20	40	Ceramic insulator

No use limitation for FERRAZ SHAWMUT fuses mounted in the above holders.

Vibration withstand:

Tests with sine vibrations carried out at ambient with scanning each of the three main holder axes.

Spectrum: 1st segment (2 to 16 Hz) constant displacement $x = 5 \text{ mm peak}$.

2nd segment (16 to 250 Hz) constant acceleration $\gamma = 5 \text{ g peak}$.

Exponential scanning speed: 1 octave per minute.

Duration: 2 hours per axis.

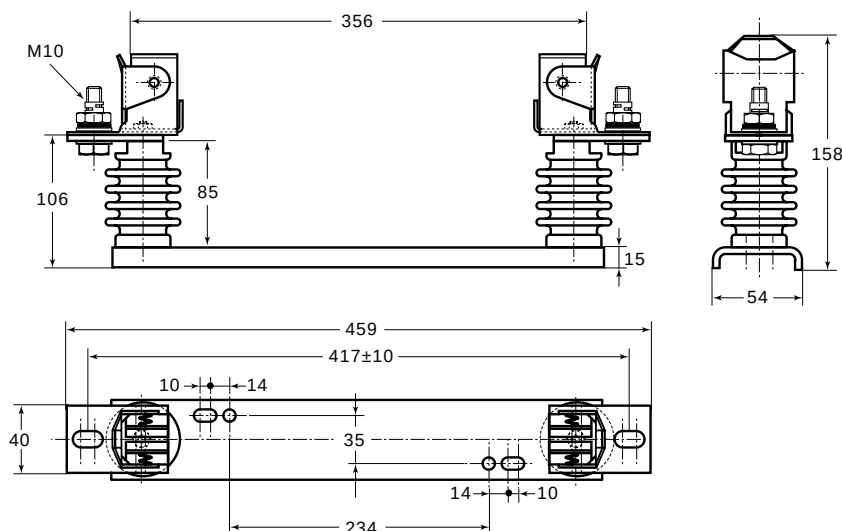
Semiconductor Fuses

AC+DC Square-boby Fuse Bases

Bases for DC other Blades Fuses - Size 300 & 602: SPV

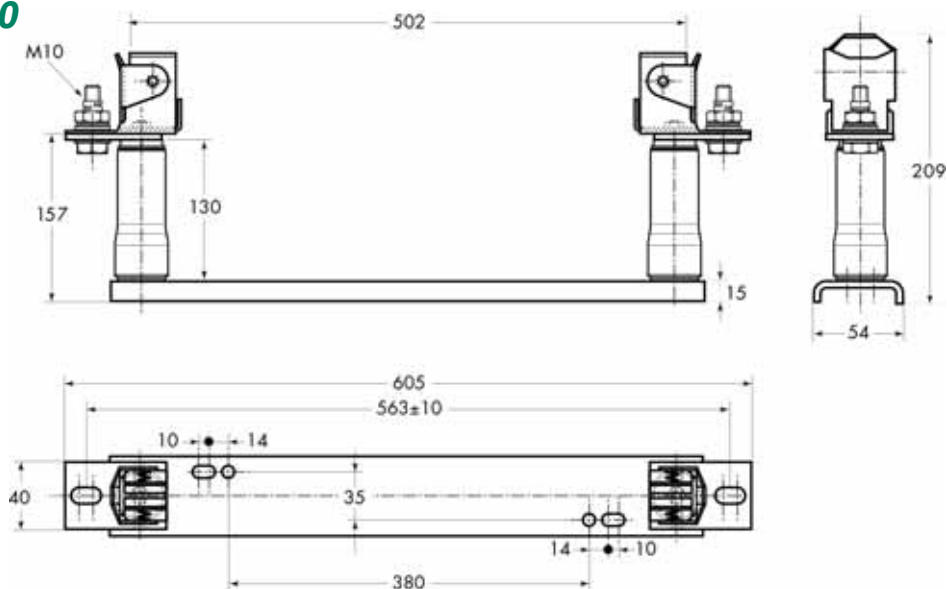
FUSE HOLDERS FOR BLADE-TYPE CV3 FUSES

SPV 300



Designation	Ref. Number	Cat. Number	Weight (g)	Packaging
SPV 300	W 098965	SPV300	1 830	1

SPV 600



Designation	Ref. Number	Cat. Number	Weight (g)	Packaging
SPV 600	T 098963	SPV600	3 100	1

- Electrical connection of fuseholder and wires by screws made in plated steel 8-8 class (supplied with fuseholder). Maximum recommended tightening torque: 44 ± 1 Nm for M10 screw.

- Fixing of base with M8 screws. Tightening torque $10 \text{ Nm} \pm 2$.



Semiconductor Fuses AC+DC Square-boby Fuse Bases Bases for other DC Bracket Fuses - Size 70 & 602: SQ

FUSEHOLDERS FOR BRACKET STYLE CV3 FUSES



- MOUNTING IN ONE-POLE FUSEHOLDER SIMPLIFIES REPLACEMENT OF FUSES FOR INSTALLATIONS CONNECTED WITH CABLES AND BARS
- FOR BRACKET-TYPE FUSES BOLTED TIGHTENING
- "TRAC" MODELS WITH VERY HIGH COLLISION WITHSTAND FOR TRACTION COMPLYING WITH IEC 77 STANDARD

Main Characteristics

Designation	Catalog Number	Insulation voltage (V) Ui (AC 50/60 Hz & DC)	Current (A)	Dielectric withstand test (kV)		Fire and fumes class
				RMS voltage 1 mn 50/60 Hz	Impulse voltage 1.2/50µs	
SQ 70	SQ70	2 500	215	18 Kv	20 Kv	—
SQ 70 BS TRAC	SQ70BSTRAC	2 500	215	18 Kv	20 Kv	UL 94 VO
SQ 72	SQ72	2 500	400	18 Kv	20 Kv	—
SQ 72 BS TRAC	SQ72BSTRAC.	2 500	400	18 Kv	20 Kv	UL 94 VO
SQ 2 x 72	SQ120	2 500	840	18 Kv	20 Kv	—
SQ 2 x 72 BS TRAC	SQ122	2 500	840	18 Kv	20 Kv	Ceramic insulator
SQ 120	SQ85300	2 500	215	18 Kv	20 Kv	—
SQ 122	SQ85302	2 500	420	18 Kv	20 Kv	—
SQ 2 x 122	SQ130/2X302	2 500	900	18 Kv	20 Kv	Ceramic insulator
SQ 85 300	SQ85600	7 200	180	34 Kv	40 Kv	UL 94 VO
SQ 85 302	SQ85602	7 200	400	34 Kv	40 Kv	UL 94 VO
SQ 120 2 x 302	SQ2X72	7 200	400	34 Kv	40 Kv	Ceramic insulator
SQ 85 600	SQ2X72BSTRAC	7 200	150	34 Kv	40 Kv	UL 94 VO
SQ 85 602	SQ2X122	7 200	375	34 Kv	40 Kv	UL 94 VO
SQ 175 2 x 602	SQ1752X602	12 000	750	32 Kv	40 Kv	Ceramic insulator

No use limitation for FERRAZ SHAWMUT fuses mounted in the above holders.

Vibration withstand:

Tests with sine vibrations carried out at ambient with scanning each of the three main axes of the holder.

Spectrum: 1st segment (2 to 16 Hz) constant displacement $x = 5 \text{ mm peak}$.

2nd segment (16 to 250 Hz) constant acceleration $\gamma = 5 \text{ g peak}$.

Exponential scanning speed: 1 octave per minute.

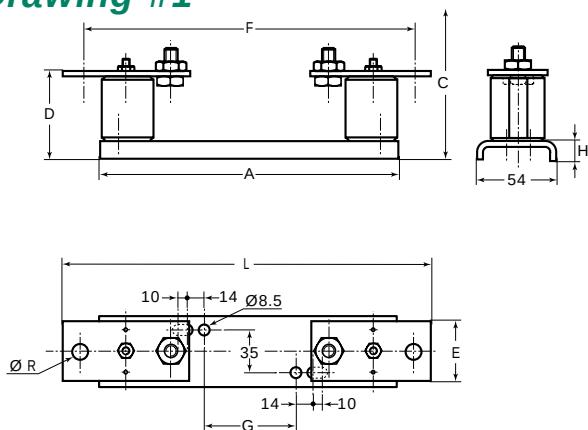
Duration: 2 hours per axis.

Semiconductor Fuses

AC+DC Square-boby Fuse Bases

Bases for other DC Bracket Fuses - Size 70 & 602: SQ

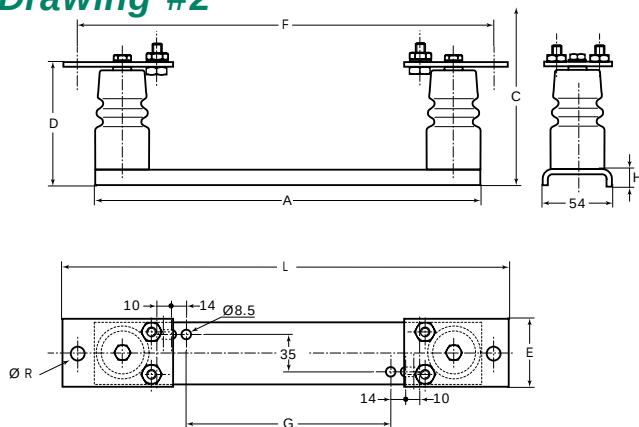
Drawing #1



Designation	Ref. Number	Cat. Number	Weight (g)
SQ 70	G 098975		860
SQ 70 BS TRAC	M 221386		1040
SQ 72	H 098976		990
SQ 72 BS TRAC	T 098986		1065
SQ 120	K 098978		940
SQ 122	L 098979		1050
SQ 85 300	V 098481		1480
SQ 85 302	W 098482		1540
SQ 120 2 x 302	P 098982		2800
SQ 85 600	X 098483		1740
SQ 85 602	Y 098484		1935

Pack: 1 piece

Drawing #2



Designation	Ref. Number	Cat. Number	Weight (g)
SQ 2 x 72	J 098977		2620
SQ 2 x 72 BS TRAC	X 098989		2840
SQ 2 x 122	M 098980		2700
SQ 175 2 x 602	Q 092244		3620

Pack: 1 piece

Catalog Number	Drawing #	A	C ⁽¹⁾	D	E	F	G	H	L	Ø R*
SQ 70	1	248	106,5	51	45	293	94	15	323	10,5
SQ 72	2	248	130,5	51	60	298	94	15	333	12,5
SQ 2 x 72	2	272	222,5	148	60	298	119	14	333	12,5
SQ 120	1	302	106,5	51	45	347	148	15	377	10,5
SQ 122	2	302	130,5	51	60	352	148	11	387	12,5
SQ 2 x 122	2	326	227,5	148	60	352	173	15	387	12,5
SQ 85 300	1	377	150	103	45	398	224	15	428	10,5
SQ 85 302	2	377	175	103	60	403	224	15	438	10,5
SQ 120 2 x 302	2	377	225	148	60	403	224	15	438	10,5
SQ 85 600	1	525	150	103	45	546	372	15	576	10,5
SQ 85 602	2	525	265	190	60	551	372	15	586	10,5
SQ 175 2 x 602	2	525	265	190	60	551	372	15	586	10,5

(1) With fuse connected

- Electrical connection of fuse on fuseholder by screws made in plated steel 8-8 class (supplied with fuseholder).

Maximum recommended tightening torque: $22 \pm \frac{0}{8}$ Nm for M8 screw.

- Fixing of base with M8 screws. Tightening torque 10 Nm $\pm$ 2.

* Electrical connection of fuseholder and wires by screws made in plated steel 8-8 class at least (supplied in "TRAC" version and not supplied in standard version.)

Maximum recommended tightening torque: $22 \pm \frac{0}{8}$ Nm for M8 screw.

$44 \pm \frac{0}{8}$ Nm for M10 screw.

$76 \pm \frac{0}{8}$ Nm for M12 screw.