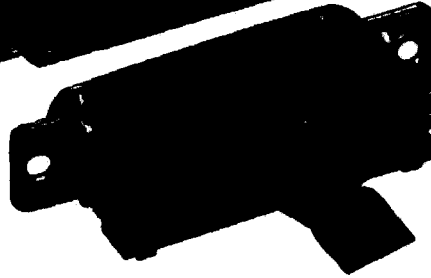


SBM 383 with insulation-displacement terminal Type F

for ribbon cables



for round cables



Application

For solderless connection technique with insulation-displacement contacts for connection of ribbon cables, round cables and single wires. Can be used as center or terminal connector.

Special features

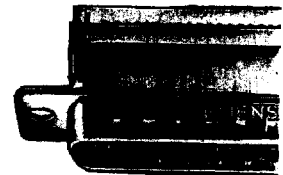
- Low assembly costs thanks to simultaneous connection of all conductors in one operation
- Functional reliability thanks to:
 - Error-free processing low contact resistance owing to gas-tight insulation-displacement connection
- Economy thanks to:
 - Reduced testing costs
 - Connection method not requiring removal of insulation
- Connection-compatible with all miniature plug connectors with the same number of contacts
- Available in performance levels 2 and 3

Version

- Pin and female connectors: 9, 15, 25 and 37 contacts.
- Identical connectors for ribbon cable and round cable connection.
The connectors are supplied with loose press-on cover for round cable connection and with pre-latched press-on cover for ribbon cable connection.
- Can be connected to round and ribbon cables with stranded wire (7-core) AWG 26 and AWG 28 or solid AWG 28 and AWG 30.

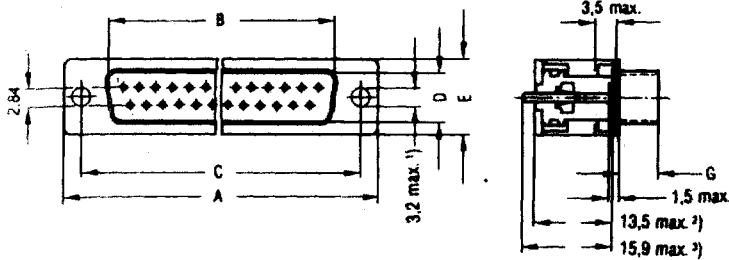
Other versions

- Pin and female connectors with threads (instead of hole \varnothing 3)
- Pin connectors with screen braiding

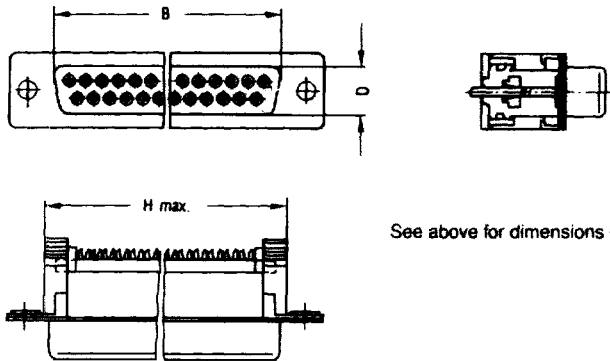


SBM 383 with insulation-displacement terminal Type F

Pin connector 9 to 37 contacts



Female connector 9 to 37 contacts



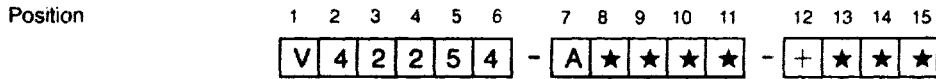
Shown without upper section

- 1) Connector mounting, optionally also with thread M3 or 4-40 UNC.
- 2) Dimension for cable fitted with contacts.
- 3) Dimension for cable fitted with contacts and strain-relief clamp.

No. of contacts	Connector	Dimensions in mm							
		A	B	C		D	E	G	H
	Pin	-0.76	+0.25			+0.25	-0.76	-0.3	max.
	Female	-0.76	-0.25			-0.25	-0.76	-0.25	max.
9	Pin	31.19	16.79	25	+0.12/-0.13	8.23	12.93	6.12	18.6
9	Female	31.19	16.46	25	+0.12/-0.13	8.02	12.93	6.3	18.6
15	Pin	39.52	25.12	33.3	+0.15/-0.1	8.23	12.93	6.12	26.9
15	Female	39.52	24.79	33.3	+0.15/-0.1	8.02	12.93	6.3	26.9
25	Pin	53.42	38.84	47.04	+/-0.13	8.23	12.93	5.99	40.6
25	Female	53.42	38.5	47.04	+/-0.13	8.02	12.93	6.3	40.6
37	Pin	69.7	55.3	63.5	+/-0.13	8.23	12.93	5.99	57.1
37	Female	69.7	54.96	63.5	+/-0.13	8.02	12.93	6.3	57.1

SBM 383 with insulation-displacement terminal Type F

Order code



Type of connection/type of packaging _____

4 = For ribbon cables/on reel¹⁾

5 = For ribbon cables/in blister pack²⁾

6 = For single wires/in blister pack³⁾

Contact type _____

2 = For stranded wire 0.09-0.14 mm² (AWG 26-28)
or solid 0.25-0.34 mm

Tail surface _____

3 = Tinned

Connector mounting _____

2 = Thread 4-40 UNC

4 = Thread M3

5 = Hole Ø 3

Connector type _____

A = Pin connector

B = Female connector

C = Pin connector with screen braiding

Contact surface/performance level _____

2 = Performance level 2

3 = Performance level 3

Number of contacts _____

09 = 9-contact

15 = 15-contact

25 = 25-contact

37 = 37-contact

Example order: V42254-A5235-B325

SBM 383 for ribbon cable (blister pack), hole Ø 3 mm,
female connector with 25 contacts, performance level 3

Preferred items

V42254-A5232-A309	V42254-A5232-B309	V42254-A5235-A309	V42254-A5235-B309
-A315	-B315	-A315	-B315
-A325	-B325	-A325	-B325
-A337	-B337	-A337	-B337

Packaging

No. of cont.	Type of packaging		Minimum order quantity
	Reel	Blister pack	
9	Reel	250 ea.	1 Reel of 250 ea. on request
15, 25, 37	Reel	250 ea.	
9	Blister pack	50 ea.	10 ⁴⁾
15	Blister pack	40 ea.	10
25	Blister pack	} 30 ea.	10
37	Blister pack		10

¹⁾ Connector with pre-latched press-on cover, 250 ea. in reel pack (on adhesive tape)

²⁾ Connector with pre-latched press-on cover, standard packaging in blister pack

³⁾ Connector with loose press-on cover, standard packaging in blister pack

⁴⁾ Smallest separable packaging unit; supplied as multiple of the minimum order quantity or standard packaging unit

SBM 383 with insulation-displacement terminal Type F

Ordering information strain-relief clamps for ribbon cables

No. of cont.	Order designation	No. of cont.	Order designation	Packed in units of ea.
9	C42334-A383-C441	25	C42334-A383-C443	25 ¹⁾
15	C42334-A383-C442	37	C42334-A383-C444	25 ¹⁾

¹⁾ In plastic bag

Note:

Ready-to-use round cables and ribbon cables for insulation-displacement technique on request.
Please supply customer-specific drawings.

Cables to be used

Round cables and single wires

All commercially available lines and cables with:

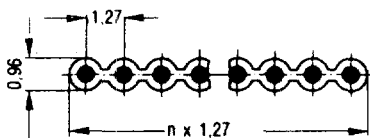
- an insulating sleeve made of PVC or Tefsel with
- tin-coated or silver-plated copper wires

Overall conductor cross-sectional area mm ²	AWG-range	Overall conductor diameter mm	Single stranded wires No.	Conduc.	Insulating sleeve	
					Diameter	Material
-	30	0.25 ¹⁾	1	Solid	1 to max. 1.1	PVC and Tefsel
-	28	0.32 ¹⁾	1	Solid	0.8 to max. 1.1	PVC and Tefsel
0.09 ¹⁾	28	-	7	Stranded	0.8 to max. 1.1	PVC and Tefsel
0.14	26	-	7	Stranded	0.8 to max. 1.1	PVC

¹⁾ Use only with strain-relief clamp

Ribbon cable see Page 4.45

Dimensions



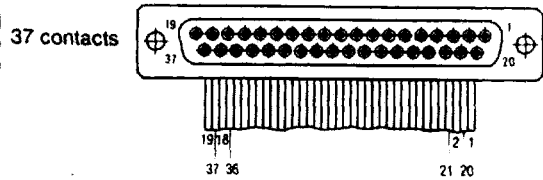
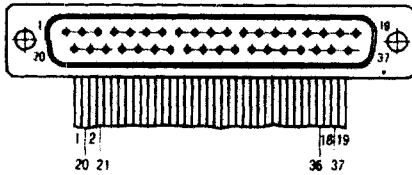
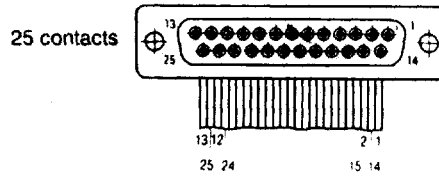
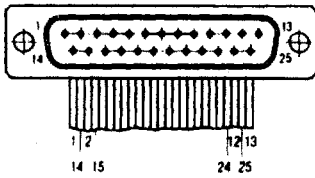
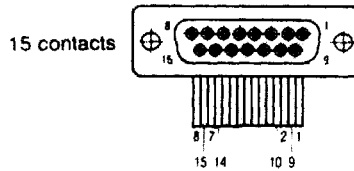
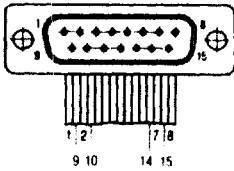
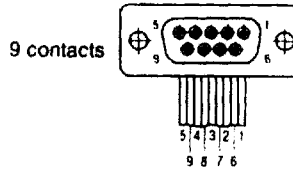
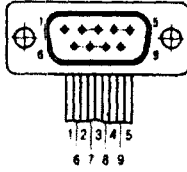
n = Number of conductors of the ribbon cable

SBM 383 with insulation-displacement terminal Type F

Contact assignment for ribbon cables (insertion side)

Pin connector

Female connector



SBM 383 with insulation-displacement terminal Type F

Ready-to use ribbon cables

The order code for ready-to-use ribbon cables contains cables in accordance with DIN 47100, each with one connector on both ends of the cable and lines with only one connector.

If, despite the large number of possible variations, individual lines cannot be integrated into the designated scheme, please consult our responsible sales department. Please enclose customer-specific drawings.

Other plugs connectors, see Chapter 4

Mounting direction and strain-relief

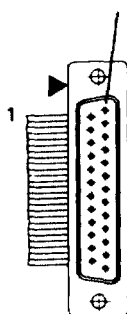
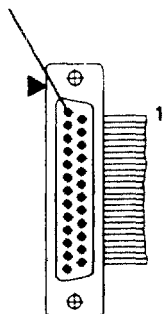
Position 12		Position 12	
A		H	
B		K	
C		L	
D		P	
E		Q	
F		R	
G		V	

5

View of insertion side

Female connector
contact 1

Pin connector
Contact 1



U Insertion direction in the case of pin and female connectors

◀ Polarizing mark

Assembly with cable strain-relief clamp

SBM 383 with insulation-displacement terminal Type F

Order code for ready-to-use ribbon cables

Position	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		
	V	4	2	2	5	6	-	S	★	4 ¹⁾	★	★	-	+	★	★	★

Cross-sectional area/conductor diameter _____

1 = Stranded wire 0.09 mm² (AWG 28)

2 = Stranded wire 0.14 mm² (AWG 26)

Number of contacts _____

09 = 9-contact

15 = 15-contact

25 = 25-contact

37 = 37-contact

Mounting direction and strain relief, _____

see Page 5.47

Mating connector type ²⁾ _____

48 = SBM-A2/-A2 or free

55 = SBM-B3/-A3

49 = SBM-A2/-B2

56 = SBM-C2/-C2 or free

50 = SBM-A3/-A3 or free

57 = SBM-C2/-B2

51 = SBM-A3/-B3

58 = SBM-C3/-C3 or free

52 = SBM-B2/-B2 or free

59 = SBM-C3/-B3

53 = SBM-B2/-A2

60 = SBM-B2/-C2

54 = SBM-B3/-B3 or free

61 = SBM-B3/-C3

Cable length L_{cod} _____

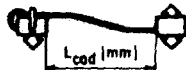
0 = 60 mm 5 = 200 mm

1 = 80 mm 6 = 250 mm

2 = 100 mm 7 = 320 mm

3 = 130 mm 8 = 400 mm

4 = 160 mm 9 = 500 mm



¹⁾ For special cables " 9"

²⁾ SBM-A. Pin connector

-B. Female connector

-C. Pin connector with screen braiding

-2. Performance level 2

-3. Performance level 3