MECHANICAL CONNECTORS AND REPAIR SLEEVES BSM

FOR LOW AND MEDIUM VOLTAGE APPLICATION UP TO 42 kV

KEY FEATURES

- Wide application range
- Compact design
- Can be used with almost every type of conductor and material
- Torque-controlled shear bolt heads guarantee an excellent electrical contact
- Easy installation with standard socket spanner
- Pre-engineered design for perfect fit in medium voltage cable accessories up to 42 kV
- Tested according to IEC 61238-1 class A

TE Connectivity's (TE) BSM mechanical connectors and repair sleeves are designed for use in low and medium voltage applications. Three sizes of our BSM connectors cover conductors sizes ranging from 25 mm^2 to 400 mm^2. Our connectors consist of a tin-plated body, shear bolt heads and inserts for small conductor sizes.

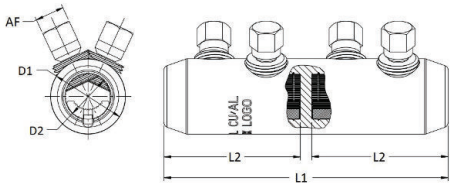
Made of special aluminium alloy, these contact bolts are double shear bolt heads with hexagon heads. The bolts are treated with a highly lubricating agent. Contact bolts are irremovable once their heads have been sheared off. The lug body is made of a high-tensile, tin-plated aluminium alloy. The internal surface of the conductor holes are grooved.

The connectors are chamfered at the edges and available with or without oil barrier (as blocked and unblocked types) depending on the application requirements. The bolted fitting featured herein was developed specifically for use in medium voltage cable accessories up to 42 kV. They may also be used in the 1 kV range.

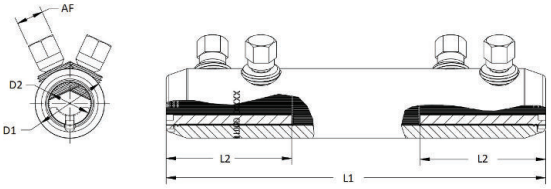
Before using mechanical connectors in cable accessories, confirm that they are suitable for the given application and if necessary consult our experts.

Customers can count on consistent, high quality products, driven by TE's proven innovation and backed by our extraordinary customer support.

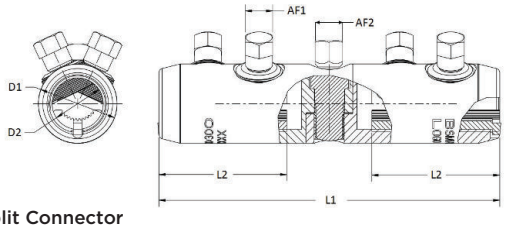
Mechanical Connectors and Repair Sleeves BSM



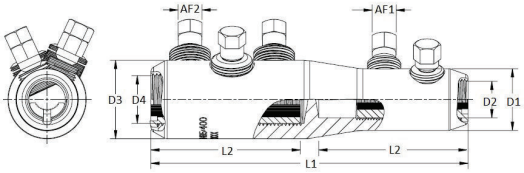
Mechanical Connector



Mechanical Repair Connector



Split Connector



Reduction Connector

PRODUCT SELECTION INFORMATION

Description	Cross Sectional Range (mm²)		Blocked	Dimensions (mm) L1	L2	D1	D2	D3	D4	Contact Bolts Quantity		Head Size AF (mm)	
Mechanical Connectors													
BSMB-10/35	10 - 35		yes	45	20	19	8,5	-	-	2		10	
BSM-25/95	25 - 95		yes	65	30	24	12,8	-	-	2		13	
BSM-25/95-U	25 - 95		no	65	-	24	12,8	-	-	2		13	
BSMB-35/150	35 - 150		yes	80	35	28	15,8	-	-	2		13	
BSMU-35/150	35 - 150		no	80	-	28	15,8	-	-	2		13	
BSM-95/240	95 - 240		yes	125	60	33	20	-	-	4		13	
BSM-95/240-U	95 - 240		no	125	-	33	20	-	-	4		13	
BSMB-95/240-34	95 - 240		yes	125	60	34	22	-	-	4		13	
BSMB-120/300	120 - 300		yes	140	65	37	24	-	-	4		13	
BSMU-120/300	120 - 300		no	140	-	37	24	-	-	4		13	
BSMB-150/400	150 - 400		yes	170	80	42	25,5	-	-	6		13	
BSMU-150/400	150 - 400		no	170	-	42	25,5	-	-	6		13	
BSMB-500mk2	500		yes	160	70	46	30	-	-	6		13	
BSMB-630mk2	630		yes	160	70	50	33	-	-	6		13	
BSMB-800mk2	800		yes	180	85	56	36	-	-	8		13	
BSMB-1000	1000		yes	180	85	60	40	-	-	8		13	
Reduction Connectors	**Side 1**	**Side 2**								**Side 1**	**Side 2**	**AF 1**	**AF 2**
BSMB 25/95-95/240	25 - 95	95 - 240	yes	125	60	24	12,8	33	20	1	2	10	13
BSMB 95/240-185/400	95 - 240	185 - 400	yes	170	80	33	20	42	25,5	2	3	13	13
BSMB 150/400-500	150 - 400	500	yes	170	80	42	25,5	46	30	3	3	13	13
BSMB 150/400-630	150 - 400	630	yes	170	80	42	25,5	50	33	3	3	13	13
BSMB 500-630mk2	500	630	yes	160	70	46	30	50	33	3	3	13	13
BSMB 500-800	500	800	yes	180	85	46	30	56	36	3	4	13	13
BSMB 630-800	630	800	yes	180	85	50	33	56	36	3	4	13	13
BSMB 630-1000	630	1000	yes	180	85	50	33	60	40	3	4	13	13
BSMB 800-1000	800	1000	yes	180	85	56	36	60	40	3	4	13	13
Split Connectors										**Contact**	**Central**	**Head Size AF 1**	**Head Size AF 2**
BSMV-120/300	120 - 300		yes	160	65	37	24	4	-	4	1	13	13
BSMV-150/400	150 - 400		yes	190	80	42	25,5	6	-	6	1	13	13
Mechanical Repair Sleeves													
BSM-25/95-U-L440	25 - 95		no	440	30	24	12,8	-	-	2		10	
BSM-95/240-U-L440	95 - 240		no	440	60	33	20	-	-	4		13	
BSMU-95/240-34-L440	95 - 240		no	440	60	34	22	-	-	4		13	
BSMU-120/300-L440	120 - 300		no	440	65	37	24	-	-	4		13	
BSM-185/400-U-L440	185 - 400		no	440	80	42	25,5	-	-	6		13	
BSMU-500-L440	500		no	440	90	46	30	-	-	6		27	
BSMB-630-L440	630		yes	440	70	50	33	-	-	6		13	

FOR MORE INFORMATION: TE Technical Support Centers

USA/Canada:	+1 800-327-6996
Brazil:	+55 11-2103-6023
Mexico:	+52 55-1106-0800
South America:	+57 1-319-8962
Benelux:	+32 16-508-695
France:	+33 (0) 38-058-3210
Germany/Switzerland:	+49 (0) 89-608-9903
Italy:	+39 335-834-3453
Middle East/Africa:	+971 4-211-7020
Russia:	+7 495-790-790-2-200
Spain/Portugal:	+34 912-681-885
UK:	+44 08708-707-500
China:	+86 400-820-6015

te.com/energy

© 2020 TE Connectivity. All Rights Reserved. EPP-2287-DDS-8/20

TE Connectivity, TE connectivity (logo), EVERY CONNECTION COUNTS, AMP, AMPACT, Axicom, Bowthorpe EMP, Crompton Instruments, Raychem, SIMEL, UTILUX are trademarks. Other logos, product and Company names mentioned herein may be trademarks of their respective owners. While TE has made every reasonable effort to ensure the accuracy of the information in this brochure, TE does not guarantee that it is error-free, nor does TE make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. TE reserves the right to make any adjustments to the information contained herein at any time without notice. TE expressly disclaims all implied warranties regarding the information contained herein, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose. The dimensions in this brochure are for reference purposes only and are subject to change without notice. Specifications are subject to change without notice. Consult TE for the latest dimensions and design specifications.