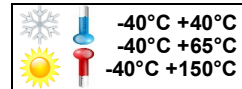




zone 1 - 21
zone 2 - 22



II 2GD ex d IIC T.. Gb Ex tb IIIC Db IP66/67



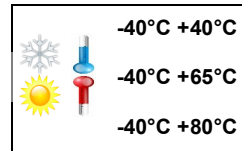
T6

T5

T4

T3

II 2GD ex e IIC T.. Gb Ex tb IIIC Db IP66/67



T 85°C

T 100°C

T 135°C

T 200°C

II 2GD ex i IIC T.. Gb Ex tb IIIC Db IP66/67

Le scatole della serie S sono installate per il collegamento del conduit ed utilizzate per il solo infilaggio dei conduttori (versione custodia vuota) ma possono essere impiegate per la derivazione di conduttori (versione custodia con morsetti). L'ampia gamma proposta prevede diversi modelli con varie grandezze e filettature.

Filettatura standard: - GAS Rp UNI ISO 7/1
 Altre filettature: - NPT ANSI B1.20.1 - Filettature GAS UNI ISO 228 - Metriche ISO 261/965
 Materiali: - Alluminio oppure Acciaio inox AISI 316

S series junction boxes are usually installed for the conduit connection and can be used for the insertion of conductors only (empty boxes) or for the derivation of conductors (boxes with terminals). The wide range offered includes several models with different sizes and threads.

Threads standard: - GAS Rp UNI ISO 7/1
 Other threads: - NPT ANSI B1.20.1 - Filettature GAS UNI ISO 228 - Metriche ISO 261/965
 Materials: - Aluminium or stainless steel AISI 316

**TEMPERATURA DI UTILIZZO DA DEFINIRE IN FASE DI ORDINE
 TEMPERATURE OF USE TO BE DEFINED UNDER ORDER**



A



B

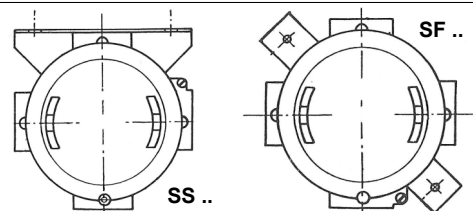


		C	L	T	X
Imbocco Entry	Diametro Diameter	2 Imbocchi 2 Entries	2 Imbocchi 2 Entries	3 Imbocchi 3 Entries	4 Imbocchi 4 Entries
1/2"	65 mm	A SC 14	A SL 14	A ST 14	A SX 14
3/4"	65 mm	A SC 24	A SL 24	A ST 24	A SX 24
1/2"	90 mm	A SC 16	A SL 16	A ST 16	A SX 16
3/4"	90 mm	A SC 26	A SL 26	A ST 26	A SX 26
1 "	90 mm	A SC 36	A SL 36	A ST 36	A SX 36
3/4"	147 mm	B SC 29	B SL 29	B ST 29	B SX 29
1 "	147 mm	B SC 39	B SL 39	B ST 39	B SX 39
1 1/4"	147 mm	B SC 49	B SL 49	B ST 49	B SX 49
1 1/2"	147 mm	B SC 59	B SL 59	B ST 59	B SX 59
2 "	147 mm	B SC 69	B SL 69	B ST 69	B SX 69

		B	D	M	W
Imbocco Entry	Diametro Diameter	2 Imbocchi 2 Entries	3 Imbocchi 3 Entries	3 Imbocchi 3 Entries	4 Imbocchi 4 Entries
1/2"	65 mm	SB 14	SD 14	SM 14	SW 14
3/4"	65 mm	SB 24	SD 24	SM 24	SW 24
3/4"	90 mm	SB 26	SD 26	SM 26	SW 26
1 "	90 mm	SB 36	SD 36	SM 36	SW 36
1 1/2"	147 mm	SB 59	SD 59	SM 59	SW 59
2 "	147 mm	SB 69	SD 69	SM 69	SW 69

Le scatole di derivazione e infilaggio SC, SL, ST ed SX, possono essere dotate di piedini di fissaggio per permettere un facile montaggio su parete o soffitto.

Junction boxes SC, SL, ST and SX, are available with mounting feet for surface mounting to wall or ceiling.

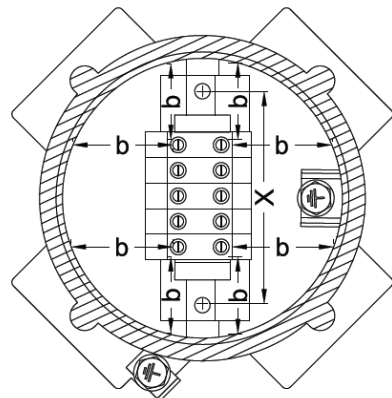
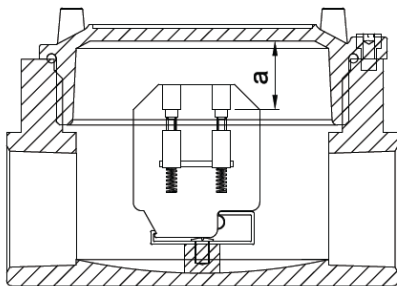


**A richiesta AISI 316
 On request aisi 316**



Custodie in esecuzione Ex e IIC		SEZIONE E MASSIMO NUMERO DI MORSETTI														
Tipo custodia	Grandezza	1,5			2,5			4			6			10		
		Tab 1	Tab 2	Tab 3	Tab 1	Tab 2	Tab 3	Tab 1	Tab 2	Tab 3	Tab 1	Tab 2	Tab 3	Tab 1	Tab 2	Tab 3
S.1 - SB	14-24	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-
S.1 - SB	16-26-36	8	8	8	8	8	8	6	6	6	-	-	-	-	-	-
S.1	29-39-59-69	16	16	16	16	16	16	16	14	14	9	9	9	7	7	7
SB	49-59-69	16	16	16	16	16	16	16	14	14	10	10	9	8	7	7
Massima corrente (A)	a 40°C	8			10,5			17			20			24		
	a 65°C	5,5			7,5			12			14			17		
	a 150°C															
Densità massima di corrente (A/mm ²) per morsetti e cavi		6,6			5			5			4			3		
Tensione nominale min-max (V)		275 - 630														

Custodie in esecuzione Ex e IIC		SEZIONE E MASSIMO NUMERO DI MORSETTI					
Tipo custodia	Grandezza	16			25		
		Tab 1	Tab 2	Tab 3	Tab 1	Tab 2	Tab 3
S.1 - SB	14-24	-	-	-	-	-	-
S.1 - SB	16-26-36	-	-	-	-	-	-
S.1	29-39-59-69	6	6	6	4	4	4
SB	49-59-69	7	6	6	5	4	4
Massima corrente (A)	a 40°C	40			65		
	a 65°C	29			47		
	a 150°C						
Densità massima di corrente (A/mm ²) per morsetti e cavi		3			3		
Tensione nominale min-max (V)		275 - 630					



Distanze minime per custodie in esecuzione **Ex e IIC** con morsetti

Tab 1	Tipo custodia	Grandezza	Distanza minima superficiale		S.1	SB
			a min.	b+b min		
	S.1 - SB	14-24	6	20	x	x
S.1 - SB	16-26-36	40			40	
S.1	29-39-59-69	58,5			50	
SB	49-59-69	100			85	

Tab 2	Tipo custodia	Grandezza	Distanza minima superficiale		S.1	SB
			a min.	b+b min		
	S.1 - SB	14-24	8	25	x	x
S.1 - SB	16-26-36	40			40	
S.1	29-39-59-69	58,5			50	
SB	49-59-69	100			85	

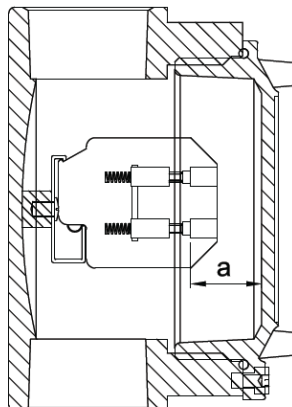
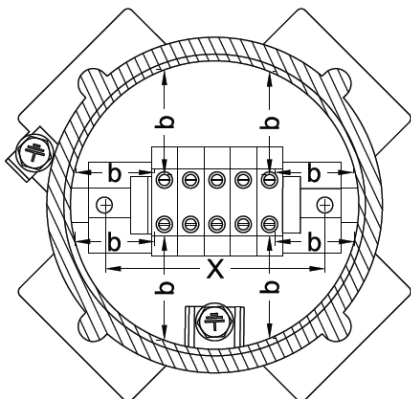
Tab 3	Tipo custodia	Grandezza	Distanza minima superficiale		S.1	SB
			a min.	b+b min		
	S.1 - SB	14-24	10	32	x	x
S.1 - SB	16-26-36	40			40	
S.1	29-39-59-69	58,5			50	
SB	49-59-69	100			85	

NOTE:
 Tab 1 per tensione di lavoro $U \leq 200$
 Tab 2 per tensione di lavoro $U \leq 500$
 Tab 3 per tensione di lavoro $U \leq 630$

Custodie in esecuzione Ex d IIC		SEZIONE E MASSIMO NUMERO DI MORSETTI								
Tipo custodia	Grandezza	1,5	2,5	4	6	10	16	25	35	70
S.1 - SB	14-24	-	-	3	-	-	-	-	-	-
S.1 - SB	16-26-36	8	8	6	-	-	-	-	-	-
S.1	29-39-59-69	16	16	16	9	7	6	4	4	3
SB	49-59-69	16	16	16	10	8	7	5	5	4
Massima corrente (A)	a 40°C	10	12,5	20	24	30	48	75	105	175
	a 65°C a 150°C	8	10,5	17	20	24	40	65	88	150
Densità massima di corrente (A/mm ²) per morsetti e cavi		6,6	5	5	4	3	3	3	3	2,5
Massima corrente (A) riferita al 35% del numero max. di morsetti indicati in tabella	a 40°C	13	19,5	24	30	50	64	100	140	210
	a 65°C a 150°C	10	12,5	20	24	30	48	75	105	175
Densità massima di corrente (A/mm ²) per morsetti e cavi riferita al 35% del numero max. di morsetti indicati in tabella		8,5	7	6	5	5	4	4	4	3
Tensione nominale min-max (V)		420 - 750								

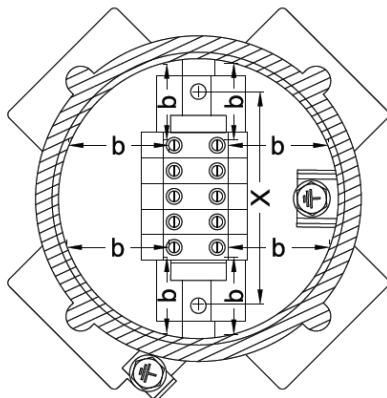
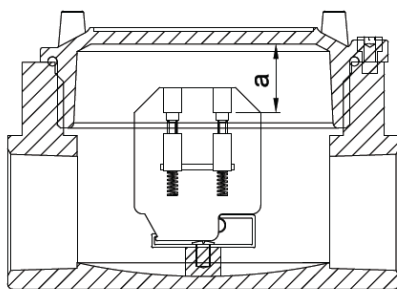
Distanze minime per custodie in esecuzione **Ex d IIC** con morsetti

Tipo custodia	Grandezza	Distanza minima superficiale		S.1	SB
		a min.	b+b min	x	x
S.1 - SB	14-24	6	20	40	40
S.1 - SB	16-26-36			58,5	50
S.1	29-39-59-69			100	85
SB	49-59-69				



Ex e IIC rated enclosures		CROSS-SECTIONAL AREA AND MAXIMUM NUMBER OF TERMINALS														
Enclosure type	Size	1,5			2,5			4			6			10		
		Tab 1	Tab 2	Tab 3	Tab 1	Tab 2	Tab 3	Tab 1	Tab 2	Tab 3	Tab 1	Tab 2	Tab 3	Tab 1	Tab 2	Tab 3
S.1 - SB	14-24	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-
S.1 - SB	16-26-36	8	8	8	8	8	8	6	6	6	-	-	-	-	-	-
S.1	29-39-59-69	16	16	16	16	16	16	16	14	14	9	9	9	7	7	7
SB	49-59-69	16	16	16	16	16	16	16	14	14	10	10	9	8	7	7
Maximum current (A)	at 40°C	8			10,5			17			20			24		
	at 65°C at 150°C	5,5			7,5			12			14			17		
Maximum current density (A/mm ²) for terminals and cables		6,6			5			5			4			3		
Min.-max. rated voltage (V)		275 - 630														

Ex e IIC rated enclosures		CROSS-SECTIONAL AREA AND MAXIMUM NUMBER OF TERMINALS					
Enclosure type	Size	16			25		
		Tab 1	Tab 2	Tab 3	Tab 1	Tab 2	Tab 3
S.1 - SB	14-24	-	-	-	-	-	-
S.1 - SB	16-26-36	-	-	-	-	-	-
S.1	29-39-59-69	6	6	6	4	4	4
SB	49-59-69	7	6	6	5	4	4
Maximum current (A)	at 40°C	40			65		
	at 65°C at 150°C	29			47		
Maximum current density (A/mm ²) for terminals and cables		3			3		
Min.-max. rated voltage (V)		275 - 630					



Minimum distances for Ex e IIC rated enclosures with terminals

Tab 1	Enclosure type	Size	Minimum surface distance		S.1	SB
			a min.	b+b min.		
	S.1 - SB	14-24	6	20	x	x
S.1 - SB	16-26-36	40			40	
S.1	29-39-59-69	58.5			50	
SB	49-59-69	100			85	

Tab 2	Enclosure type	Size	Minimum surface distance		S.1	SB
			a min.	b+b min.		
	S.1 - SB	14-24	8	25	x	x
S.1 - SB	16-26-36	40			40	
S.1	29-39-59-69	58.5			50	
SB	49-59-69	100			85	

Tab 3	Enclosure type	Size	Minimum surface distance		S.1	SB
			a min.	b+b min.		
	S.1 - SB	14-24	10	32	x	x
S.1 - SB	16-26-36	40			40	
S.1	29-39-59-69	58.5			50	
SB	49-59-69	100			85	

NOTES:
 Tab 1 for operating voltage $U \leq 400$
 Tab 2 for operating voltage $U \leq 500$
 Tab 3 for operating voltage $U \leq 630$

Ex d IIC rated enclosures		CROSS-SECTIONAL AREA AND MAXIMUM NUMBER OF TERMINALS								
Enclosure type	Size	1,5	2,5	4	6	10	16	25	35	70
S.1 - SB	14-24	-	-	3	-	-	-	-	-	-
S.1 - SB	16-26-36	8	8	6	-	-	-	-	-	-
S.1	29-39-59-69	16	16	16	9	7	6	4	4	3
SB	49-59-69	16	16	16	10	8	7	5	5	4
Maximum current (A)	at 40°C	10	12.5	20	24	30	48	75	105	175
	at 65°C at 150°C	8	10.5	17	20	24	40	65	88	150
Maximum current density (A/mm ²) for terminals and cables		6.6	5	5	4	3	3	3	3	2.5
Maximum current (A) referring to 35% of the max. number of terminals as given in the table	at 40°C	13	19.5	24	30	50	64	100	140	210
	at 65°C at 150°C	10	12.5	20	24	30	48	75	105	175
Maximum current density (A/mm ²) for terminals and cables referring to 35% of the max. number of terminals as given in the table		8.5	7	6	5	5	4	4	4	3
Min.-max. rated voltage (V)		420 - 750								

Minimum distances for Ex d IIC rated enclosures with terminals

Enclosure type	Size	Minimum surface distance		S.1	SB
		a min.	b+b min.	x	x
S.1 - SB	14-24	6	20	40	40
S.1 - SB	16-26-36			58.5	50
S.1	29-39-59-69			100	85
SB	49-59-69				

