ENCLOSURES

SJIC SERIES

SJIC ENCLOSURES ONLY • SCREW COVER

TECHNE-TERM®

SJIC Series

cCSAus / ATEX / IEC Ex Certified
Ex tb / AEx tb Zone 21 IIIC
T80°C/T100°C/T130°C Db
Enclosure Type 3, 4 & 4X IP66
Report No. 15.70013872
IECEx SIR 14.0053U
SIRA 14ATEX3156U

0539 Ex II 2 G D
Ex e IIC Gb
Ex tb IIC Db IP66
Service temperature -50°C to +135°C

FEATURES-SPECIFICATIONS

Applications

Panel builders and intergraders building equipment for use in hazardous , corrosive, wet, hose down, dust, dirty , for both hot and cold industrial applications.

- Pulp & Paper Mills
- Breweries
- Electrical Power Plants
- Refineries
- Petrochemical Plants
- Chemical Plants
- Wastewater Treatment
- Grain Facilities
- Marine, Docks, Ports
- Coal Handling
- Off Shore Platforms
- Pumping Stations
- Textile manufacturing
- Food Processing

SJIC Enclosures Features—15 Sizes

- Screw covers 316 stainless steel
- Continuous robot welded seams for a hose down tight seal.
- SJIC doors are interchangeable and easily removable.
- Ground/earthing studs in both cover and through wall of the box.
- One piece high temperature closed cell silicone gasket. With superior recovery and re-sealing properties.
- Sturdy 14 gauge box construction helps prevent bending or permanent deflection of the walls when field installing openings.
- Welded one piece mounting flanges top and bottom for strength.
- Openings for glands or conduit

SJIC * 12 12 06 12 JB *

SERIES
SJIC = Screw Cover

MATERIAL:
6 = 316 Stainless Steel
4 = 304 Stainless Steel
BLANK = Carbon Steel Painted

ENCLOSURE SIZE L x W x D

GLAND PLATE / LOCATION(S)
Blank = None
1 = Bottom
2 = LHS
3 = Top
4 = RHS

EMPTY ENCLOSURE
Constant

OPTIONS

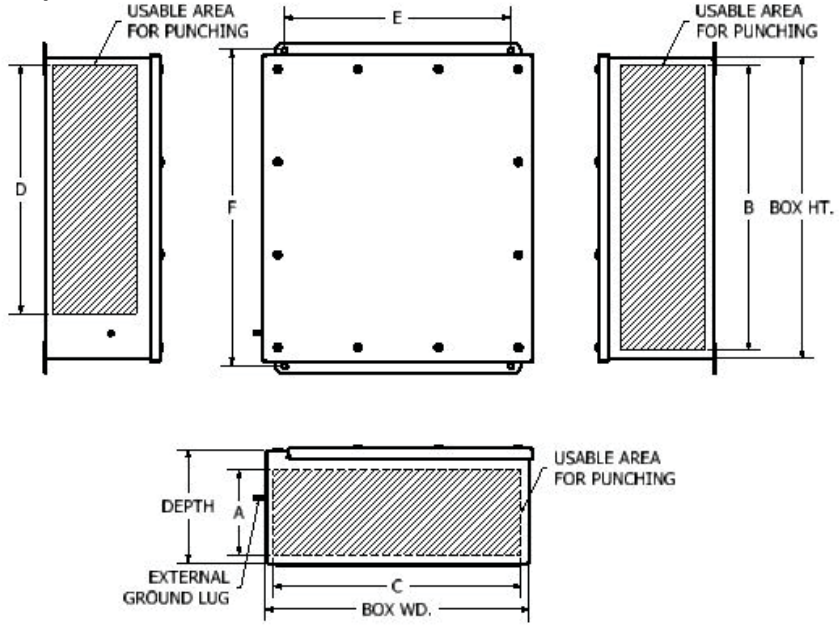
SJIC SERIES

SJIC ENCLOSURES ONLY

TECHNOTERM®

SUFFIX NUMBER	DESCRIPTION
KIT-251	100 amp ground lug
KIT-252	225 amp ground lug
SU3-KDE	Class I Div. 2 Grps A, B, C & D, Type 4X. Ex e IIC Zone 1 IP 66 Drain & breather installed.
SU10-KDE	Class I Div. 2 Grps A, B, C & D, Type 4X. Ex e IIC Zone 1 IP 66 Drain only installed.
DC	Document Wallet (enclosures 10 x 10 and larger only)
SU9	Special paint finish
SU14	Fungus proofing of enclosures

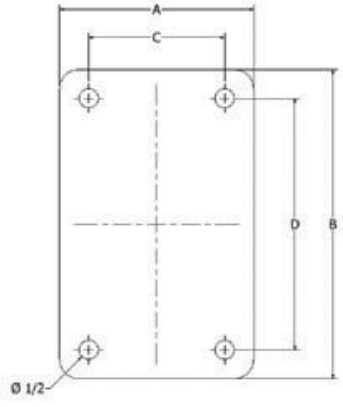
See enclosure modification page for conduit / gland hole sizes and spacing.



CATALOG NUMBER	HEIGHT IN. (MM)	WIDTH	DEPTH	"E"	"F"	"A" BLANK WALL	"B" BLANK WALL	"C" BLANK WALL	"D" BLANK WALL	(W) MAX. POWER	WEIGHT LBS (KG)
SJIC6040404-JB	4 (102)	4 (102)	4 (102)	2 .00 (51)	4.75 (121)	2.47(63)	3.13 (79)	3.13 (79)	1.19 (30)	4.1	2.83 (1.3)
SJIC6060404-JB	6 (152)	4 (102)	4 (102)	2 .00 (51)	6.75 (171)	2.47(63)	5.13 (130)	3.13 (79)	3.19 (81)	5.2	3.6 (1.6)
SJIC6060604-JB	6 (152)	6 (152)	4 (102)	4.00 (102)	6.75 (171)	2.47(63)	5.13 (130)	5.13 (130)	3.19 (81)	6.1	4.9 (2.2)
SJIC6060606-JB	6 (152)	6 (152)	6 (152)	4.00 (102)	6.75 (171)	4.47 (114)	5.13 (130)	5.13 (130)	3.19 (81)	8.4	5.9 (2.7)
SJIC6080606-JB	8 (203)	6 (152)	6 (152)	4.00 (102)	8.75 (222)	4.47 (114)	7.13 (181)	7.13 (181)	5.19 (132)	10.5	7.5 (3.4)
SJIC6080804-JB	8 (203)	8 (203)	4 (102)	6.00 (152)	8.75 (222)	2.47(63)	7.13 (181)	7.13 (181)	5.19 (132)	8.4	7.9 (3.6)
SJIC6080806-JB	8 (203)	8 (203)	6 (152)	6.00 (152)	8.75 (222)	4.47 (114)	7.13 (181)	7.13 (181)	5.19 (132)	11.4	8.33 (3.8)
SJIC6100804-JB	10 (254)	8 (203)	4 (102)	6.00 (152)	10.75 (273)	2.47(63)	9.13 (232)	7.13 (181)	7.19 (183)	8.4	9.5 (4.4)
SJIC6100806-JB	10 (254)	8 (203)	6 (152)	6.00 (152)	10.75 (273)	4.47 (114)	9.13 (232)	7.13 (181)	7.19 (183)	12.2	10 (4.5)
SJIC6101006-JB	10 (254)	10 (254)	6 (152)	8.00 (203)	10.75 (273)	4.47 (114)	9.13 (232)	9.13 (232)	7.19 (183)	13	11 (5)
SJIC6121005-JB	12 (305)	10 (254)	5 (127)	8.00 (203)	12.75 (324)	3.47 (88)	11.13 (283)	9.13 (232)	9.19 (233)	8.4	12 (5.4)
SJIC6121006-JB	12 (305)	10 (254)	6 (152)	8.00 (203)	12.75 (324)	4.47 (114)	11.13 (283)	9.13 (232)	9.19 (233)	14	13 (5.9)
SJIC6121206-JB	12 (305)	12 (305)	6 (152)	10.00 (254)	12.75 (324)	4.47 (114)	11.13 (283)	11.13 (283)	9.19 (233)	15	15 (6.8)
SJIC6141206-JB	14 (356)	12 (305)	6 (152)	10.00 (254)	14.75 (375)	4.47 (114)	13.13 (334)	11.13 (283)	11.19 (284)	16	16 (7.3)
SJIC6161406-JB	16 (406)	14 (356)	6 (152)	12 (305)	16.75 (425)	4.47 (114)	15.13 (384)	13.13 (334)	13.19 (335)	18	20 (9)

SJIC(H) SERIES INTERNAL MOUNTING PAN					
CATALOG NO.	A	B	C	D	THICK-NESS
SJIC1010P	7.63 (194)	7.63 (194)	7.00 (178)	7.00 (178)	.13 (3.2)
SJIC1210P	7.63 (194)	9.63 (244)	7.00 (178)	9.00 (228)	.13 (3.2)
SJIC1212P	9.63 (244)	9.63 (244)	9.00 (228)	9.00 (228)	.13 (3.2)
SJIC1412P	9.63 (244)	11.63 (295)	9.00 (228)	11.00 (279)	.13 (3.2)
SJIC1614P	11.63 (295)	13.63 (346)	11.00 (279)	13.00 (330)	.13 (3.2)

All dimension in. (mm)



Internal mounting pans are made from high strength aluminum alloy. The aluminum alloy is corrosion resistance and can be drill and tapped in the field for ease of installation of components.

Pans come standard with mounting hardware.

SJIC / SJICH MAXIMUM CONDUIT / GLAND OPENINGS					
W/O GLAND PLATE			W/ GLAND PLATE		
BOX DEPTH	MAX NPT	MAX METRIC	BOX DEPTH	MAX NPT	MAX METRIC
4	1"	M32	4	1/2"	M20
5	1-1/2"	M50	5	1-1/4"	M40
6	3"	M80	6	2"	M63

ENCLOSURES

SJICH SERIES

SJICH ENCLOSURES ONLY • HINGED SCREW COVER

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SJICH Series

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Ex tb / AEx tb Zone 21 IIIC
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- Continuous robot welded seams for a hose down tight seal.
- SJICH have continuous one piece hinge construction.
- Ground/earthing studs in both cover and through wall of the box.
- One piece high temperature closed cell silicone gasket. With superior recovery and re-sealing properties.
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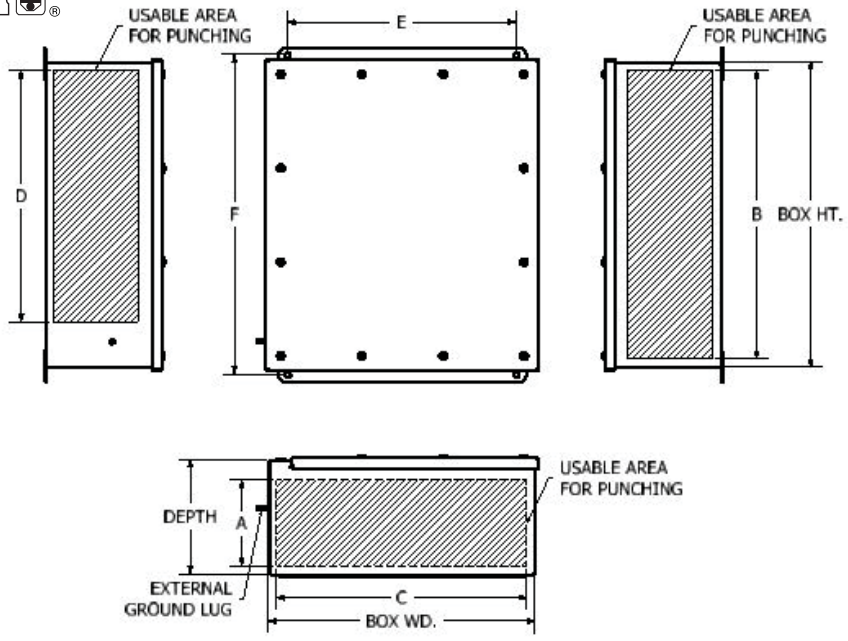

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SJICH4080606-JB	8 (203)	6 (152)	6 (152)	4.00 (102)	8.75 (222)	4.47 (114)	7.13 (181)	7.13 (181)	5.19 (132)	10.5	7.5 (3.4)
SJICH4080804-JB	8 (203)	8 (203)	4 (102)	6.00 (152)	8.75 (222)	2.47(63)	7.13 (181)	7.13 (181)	5.19 (132)	8.4	7.9 (3.6)
SJICH4080806-JB	8 (203)	8 (203)	6 (152)	6.00 (152)	8.75 (222)	4.47 (114)	7.13 (181)	7.13 (181)	5.19 (132)	11.4	8.33 (3.8)
SJICH4100804-JB	10 (254)	8 (203)	4 (102)	6.00 (152)	10.75 (273)	2.47(63)	9.13 (232)	7.13 (181)	7.19 (183)	8.4	9.5 (4.4)
SJICH4100806-JB	10 (254)	8 (203)	6 (152)	6.00 (152)	10.75 (273)	4.47 (114)	9.13 (232)	7.13 (181)	7.19 (183)	12.2	10 (4.5)
SJICH4101006-JB	10 (254)	10 (254)	6 (152)	8.00 (203)	10.75 (273)	4.47 (114)	9.13 (232)	9.13 (232)	7.19 (183)	13	11 (5)
SJICH4121005-JB	12 (305)	10 (254)	5 (127)	8.00 (203)	12.75 (324)	3.47 (88)	11.13 (283)	9.13 (232)	9.19 (233)	8.4	12 (5.4)
SJICH4121006-JB	12 (305)	10 (254)	6 (152)	8.00 (203)	12.75 (324)	4.47 (114)	11.13 (283)	9.13 (232)	9.19 (233)	14	13 (5.9)
SJICH4121206-JB	12 (305)	12 (305)	6 (152)	10.00 (254)	12.75 (324)	4.47 (114)	11.13 (283)	11.13 (283)	9.19 (233)	15	15 (6.8)
SJICH4141206-JB	14 (356)	12 (305)	6 (152)	10.00 (254)	14.75 (375)	4.47 (114)	13.13 (334)	11.13 (283)	11.19 (284)	16	16 (7.3)
SJICH4161406-JB	16 (406)	14 (356)	6 (152)	12 (305)	16.75 (425)	4.47 (114)	15.13 (384)	13.13 (334)	13.19 (335)	18	20 (9)

SJIC(H) SERIES INTERNAL MOUNTING PAN					
CATALOG NO.	A	B	C	D	THICK-NESS
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SJIC1210P	7.63 (194)	9.63 (244)	7.00 (178)	9.00 (228)	.13 (3.2)
SJIC1212P	9.63 (244)	9.63 (244)	9.00 (228)	9.00 (228)	.13 (3.2)
SJIC1412P	9.63 (244)	11.63 (295)	9.00 (228)	11.00 (279)	.13 (3.2)
SJIC1614P	11.63 (295)	13.63 (346)	11.00 (279)	13.00 (330)	.13 (3.2)

All dimension in. (mm)

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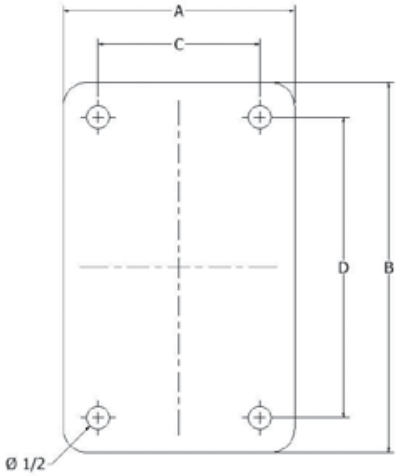

SJIC / SJICH MAXIMUM CONDUIT / GLAND OPENINGS					
W/O GROUND PLATE			W/ GROUND PLATE		
BOX DEPTH	MAX NPT	MAX METRIC	BOX DEPTH	MAX NPT	MAX METRIC
4	1”	M32	4	1/2”	M20
5	1-1/2”	M50	5	1-1/4”	M40
6	3”	M80	6	2”	M63

USF / SJIC / SJICH ENCLOSURES

TECHNO-TERM®

TABLE 1: Minimum distance from edge of box to the center of the conduit / cable entry.

NPT (METRIC)	4"	3-1/2"	3" (M75)	2-1/2" (M63)	2" (M50)	1-1/2" (M40)	1-1/4" (M32)	1" (M25)	3/4" (M20)	1/2" (M16)
IN. (MM)	2-3/4 (70)	2-1/2 (64)	2 (51)	2 (51)	1-5/8 (41)	1-3/8 (35)	1-1/4 (32)	1 (25)	7/8 (22)	3/4 (19)

TABLE 2 Minimum distance from edge of gland plate to the center of the conduit / cable entry.

NPT (METRIC)	4" (M100)	3-1/2" (M80)	3" (M75)	2-1/2" (M63)	2" (M50)	1-1/2" (M40)	1-1/4" (M32)	1" (M25)	3/4" (M20)	1/2" (M16)
IN. (MM)	3-1/4 (83)	3 (76)	2-3/4 (70)	2-1/2 (64)	2-1/8 (54)	1-7/8 (48)	1-3/4 (44)	1-1/2 (38)	1-3/8 (35)	1-1/4 (32)

TABLE 3: NEC / CEC minimum wire bending space from inside wall of the enclosure, North America applications only.

SIZE AWG (MM2)	16 (1.5)	14 (2.5)	12 (4)	10 (6)	8 (10)	6 (16)	4 (25)	2 (35)	1/0 (50)	2/0 (70)	3/0 (95)	4/0 (120)
IN. (MM)	1.5 (38)	1.5 (38)	1.5 (38)	1.5 (38)	1.5 (38)	2 (51)	3 (76)	3.5 (89)	5.5 (140)	6 (152)	6.5 (164)	7 (178)

TABLE 4: Punched hole diameters. For additional sizes not shown please contact the factory.

NPT	4"	3-1/2"	3"	2-1/2"	2"	1-1/2	1-1/4"	1"	3/4"	1/2"
MAX. HOLE DIA. IN. (MM)	4.53 (115.06)	4.03 (102.36)	3.53 (89.66)	2.905 (73.79)	2.405 (61.08)	1.93 (49.2)	1.69 (42.93)	1.345 (34.16)	1.08 (27.4)	.87 (22.09)
METRIC	M100	M80	M75	M63	M50	M40	M32	M25	M20	M16
MAX. HOLE DIA. MM (IN.)	100.7 (3.94)	80.7 (3.15)	75.7 (2.95)	63.7 (2.48)	50.7 (1.97)	40.7 (1.58)	32.7 (1.26)	25.7 (0.98)	20.7 (0.79)	16.7 (0.63)

TABLE 5: Minimum distance of the center line to center line of the conduit / cable entries.

(NPT) [METRIC]	4 [M100]	3 1/2 [M80]	3 [M75]	2 1/2 [M63]	2 [M50]	1 1/2 [M40]	1 1/4 [M32]	1 [M25]	3/4 [M20]	1/2 [M16]
1/2 [M16]	3 5/8 [92mm]	3 3/8 [86mm]	3 1/8 [80mm]	2 3/4 [70mm]	2 1/2 [64mm]	2 1/4 [58mm]	2 1/8 [54mm]	1 7/8 [48mm]	1 3/4 [45mm]	1 5/8 [41mm]
3/4 [M20]	3 3/4 [96mm]	3 1/2 [89mm]	3 1/4 [83mm]	2 7/8 [74mm]	2 5/8 [68mm]	2 3/8 [60mm]	2 1/4 [58mm]	2 [51mm]	1 7/8 [48mm]	
1 [M25]	3 7/8 [99mm]	3 5/8 [92mm]	3 3/8 [86mm]	3 [77mm]	2 3/4 [70mm]	2 1/2 [64mm]	2 3/8 [60mm]	2 1/8 [54mm]		
1 1/4 [M32]	4 1/8 [105mm]	3 7/8 [99mm]	3 1/2 [89mm]	3 1/4 [83mm]	3 [77mm]	2 3/4 [70mm]	2 1/2 [64mm]			
1 1/2 [M40]	4 1/4 [108mm]	4 [102mm]	3 3/4 [96mm]	3 3/8 [86mm]	3 1/8 [80mm]	2 7/8 [73mm]				
2 [M50]	4 3/4 [121mm]	4 1/2 [115mm]	4 [102mm]	3 5/8 [92mm]	3 3/8 [86mm]					
2 1/2 [M63]	4 7/8 [124mm]	4 5/8 [118mm]	4 1/4 [108mm]	3 7/8 [99mm]						
3 [M75]	5 1/4 [134mm]	5 [127mm]	4 5/8 [118mm]							
3 1/2 [M80]	5 3/4 [147mm]	5 1/2 [140mm]								
4 [M100]	6 1/4 [159mm]									

All dimension in. (mm)

SJIC & SJICH TERMINAL BOXES • SCREW COVER & HINGED SCREW COVER

TECHNOTERM®

cCSAus / ATEX / IEC Ex Certified
IECEx SIR 14.0054
SIRA 14ATEX3157
CE 0539 Ex II 2 G D
Ex e IIC Gb, Ex i IIC Gb
Ex tb IIC Db IP66
TA= -50°C to +45°C /T6/T80°C
TA= -50°C to +55°C /T5/T100°C
TA= -50°C to +90°C /T4/T130°C

Class I, Div. 2, Groups A, B, C & D
Ex e/ Class I, Zones 1 & 2, AEX e
Groups IIA, IIB & IIC
Class II, Groups E, F & G. Class III
Type 3, 4 & 4X

Ex tb / Zone 21 & 22 AEx tb IIC
T80°C/ T100°C/T130°C Db
IP66
CSA 15.70013872
IEx 15.0155X INMETRO

FEATURES-SPECIFICATIONS

Applications

Terminal enclosures for use in hazardous, corrosive, wet, hose down, dust, dirty, for both hot and cold industrial applications for terminating conductors by means of a terminal block.

- Pulp & Paper Mills
- Breweries
- Electrical Power Plants
- Refineries
- Petrochemical Plants
- Chemical Plants
- Wastewater Treatment
- Grain Facilities
- Marine, Docks, Ports
- Coal Handling
- Off Shore Platforms
- Pumping Stations
- Textile manufacturing
- Food Processing
- Used to link electrical wires. Provide access to conductors for maintenance and system expansions
- Primary circuits for distribution to field control devices

SJIC Series

Material

- 316 stainless steel as standard.
- Option material 304 Stainless steel, carbon steel or aluminum.
- All external hardware 316 stainless steel.
- Gasket One piece high temperature closed cell silicone.

SJIC Enclosures Features—15 Sizes
SJICH Enclosures Features—11 Sizes

- Offered with ABB or Weidmuller increase safety terminal blocks in choices of screw terminal or cage (spring) clamp styles DIN rail mounted. Intrinsically safe terminals available also.
- Screw covers 316 stainless steel
- Continuous robot welded seams for a hose down tight seal.
- SJIC doors are interchangeable and easily removable.
- SJICH have continuous one piece hinge construction. Standard on left side.
- Ground/earthing studs in both cover and through wall of the box.
- One piece high temperature closed cell silicone gasket. With superior recovery and re-sealing properties.
- Sturdy 14 gauge box construction helps prevent bending or permanent deflection of the walls when field installing openings.
- Welded one piece mounting flanges top and bottom for strength.
- Openings for glands or conduit factory or field installed – option for gland plates.

SJIC * 12 12 06 W 1 6 12 *

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SJICH = Screw / Hinged Cover

MATERIAL:
6 = 316 Stainless Steel
4 = 304 Stainless Steel
Blank = Carbon Steel Painted

ENCLOSURE SIZE L x W x D

TERMINAL MANUFACTURER
W = WEIDMULLER
A = ABB

NO. ROWS OF TERMINAL
1 = 1 Row
2 = 2 Rows
3 = 3 Rows
4 = 4 Rows

TERMINALBLOCK SIZE
1 = 1.5mm² (AWG #14)
2 = 2.5mm² (AWG #14)
4 = 4mm² (AWG #12)
6 = 6mm² (AWG #10)
10 = 10mm² (AWG #8)
16 = 16mm² (AWG #6)
35 = 35mm² (AWG #2)

Larger sizes contact the factory

Specify ground /earth blocks size and qty separately. Must be included in total qty. See pages E23 & E24 for maximum qty/ size of blocks per enclosure

GLAND PLATE / LOCATIONS
Blank = None
1 = Bottom
2 = LHS
3 = Top
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See enclosure charts for suitable gland plates

OPTIONS (SEE CATALOG)

SJIC TERMINAL BOXES

TECHNE-TERM®

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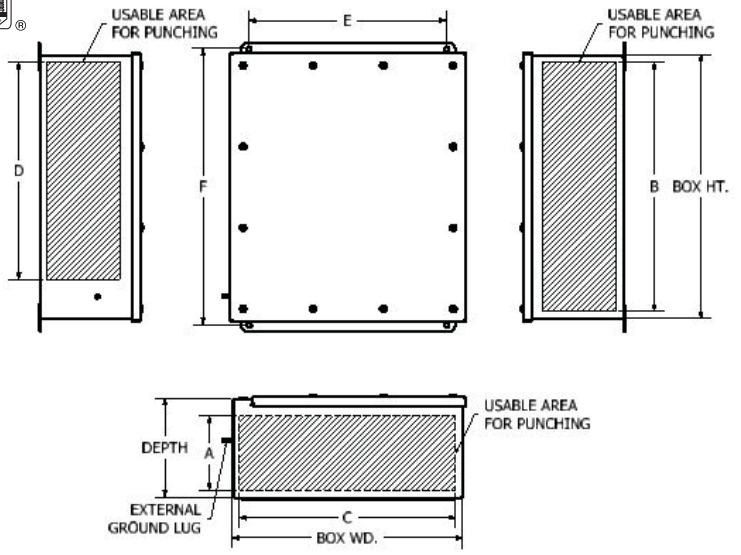
See enclosure modification page for conduit / gland hole sizes and spacing.



CATALOG NUMBER	HEIGHT IN. (MM)	WIDTH	DEPTH	"E"	"F"	"A" BLANK WALL	"B" BLANK WALL	"C" BLANK WALL	"D" BLANK WALL
SJIC6040404	4 (102)	4 (102)	4 (102)	2 .00 (51)	4.75 (121)	2.47(63)	3.13 (79)	3.13 (79)	1.19 (30)
SJIC6060404	6 (152)	4 (102)	4 (102)	2 .00 (51)	6.75 (171)	2.47(63)	5.13 (130)	3.13 (79)	3.19 (81)
SJIC6060604	6 (152)	6 (152)	4 (102)	4.00 (102)	6.75 (171)	2.47(63)	5.13 (130)	5.13 (130)	3.19 (81)
SJIC6060606	6 (152)	6 (152)	6 (152)	4.00 (102)	6.75 (171)	4.47 (114)	5.13 (130)	5.13 (130)	3.19 (81)
SJIC6080606*	8 (203)	6 (152)	6 (152)	4.00 (102)	8.75 (222)	4.47 (114)	7.13 (181)	7.13 (181)	5.19 (132)
SJIC6080804	8 (203)	8 (203)	4 (102)	6.00 (152)	8.75 (222)	2.47(63)	7.13 (181)	7.13 (181)	5.19 (132)
SJIC6080806*	8 (203)	8 (203)	6 (152)	6.00 (152)	8.75 (222)	4.47 (114)	7.13 (181)	7.13 (181)	5.19 (132)
SJIC6100804	10 (254)	8 (203)	4 (102)	6.00 (152)	10.75 (273)	2.47(63)	9.13 (232)	7.13 (181)	7.19 (183)
SJIC6100806*	10 (254)	8 (203)	6 (152)	6.00 (152)	10.75 (273)	4.47 (114)	9.13 (232)	7.13 (181)	7.19 (183)
SJIC6101006*	10 (254)	10 (254)	6 (152)	8.00 (203)	10.75 (273)	4.47 (114)	9.13 (232)	9.13 (232)	7.19 (183)
SJIC6121005*	12 (305)	10 (254)	5 (127)	8.00 (203)	12.75 (324)	3.47 (88)	11.13 (283)	9.13 (232)	9.19 (233)
SJIC6121006*	12 (305)	10 (254)	6 (152)	8.00 (203)	12.75 (324)	4.47 (114)	11.13 (283)	9.13 (232)	9.19 (233)
SJIC6121206*	12 (305)	12 (305)	6 (152)	10.00 (254)	12.75 (324)	4.47 (114)	11.13 (283)	11.13 (283)	9.19 (233)
SJIC6141206*	14 (356)	12 (305)	6 (152)	10.00 (254)	14.75 (375)	4.47 (114)	13.13 (334)	11.13 (283)	11.19 (284)
SJIC6161406*	16 (406)	14 (356)	6 (152)	12 (305)	16.75 (425)	4.47 (114)	15.13 (384)	13.13 (334)	13.19 (335)

All dimension in. (mm)

**Enclosure can be supplied with gland plates*

CATALOG NUMBER	(W) MAX. POWER	WEIGHT LBS / (KG)
SJIC6040404	4.1	2.83 (1.3)
SJIC6060404	5.2	3.6 (1.6)
SJIC6060604	6.1	4.9 (2.2)
SJIC6060606	8.4	5.9 (2.7)
SJIC(H)6080606	10.5	7.5 (3.4)
SJIC(H)6080804	8.4	7.9 (3.6)
SJIC(H)6080806	11.4	8.33 (3.8)
SJIC(H)6100804	8.4	9.5 (4.4)
SJIC(H)6100806	12.2	10 (4.5)
SJIC(H)6101006	13	11 (5)
SJIC(H)6121005	8.4	12 (5.4)
SJIC(H)6121006	14	13 (5.9)
SJIC(H)6121206	15	15 (6.8)
SJIC(H)6141206	16	16 (7.3)
SJIC(H)6161406	18	20 (9)

SJIC & SJICH TERMINAL BOXES

Instock Terminal Boxes

- Populated with ABB ZS4, 32 Amps 4mm2 690VAC (12 AWG 600VAC) terminal blocks.
- Supplied with two ZS 4-PE ground / earth blocks per rail.
- Blank enclosures for field modifications for gland or conduit openings.
- Material—316 stainless steel

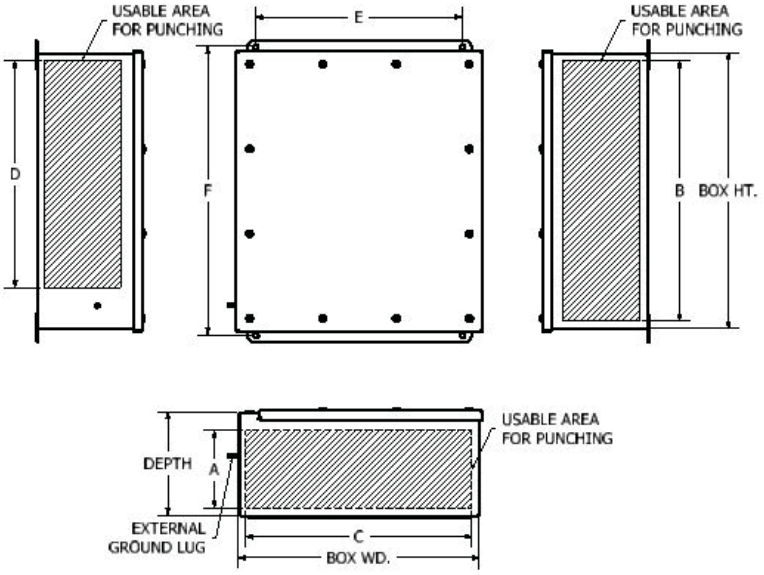
CATALOG NUMBER	TOTAL QTY OF TERMINALS	NO. OF RAILS
SJIC6040404A14	6	1
SJIC6060604A14	16	1
SJIC6100806A14	30	1
SJIC6101006A24	60	2
SJIC6121206A24	80	2

SJICH TERMINAL BOXES

TECHNOTERM®

SUFFIX NUMBER	DESCRIPTION
KIT-251	100 amp ground lug
KIT-252	225 amp ground lug
SU3-KDE	Class I Div. 2 Grps A, B, C & D, Type 4X. Ex e IIC Zone 1 IP 66 Drain & breather installed.
SU10-KDE	Class I Div. 2 Grps A, B, C & D, Type 4X. Ex e IIC Zone 1 IP 66 Drain only installed.
DC	Document Wallet (enclosures 10 x 10 and larger only)
SU9	Special paint finish
SU14	Fungus proofing of enclosures

See enclosure modification page for conduit / gland hole sizes and spacing.



CATALOG NUMBER	HEIGHT IN. (MM)	WIDTH	DEPTH	"E"	"F"	"A" BLANK WALL	"B" BLANK WALL	"C" BLANK WALL	"D" BLANK WALL	"E" BLANK WALL
SJICH6080606*	8 (203)	6 (152)	6 (152)	4.00 (102)	8.75 (222)	4.47 (114)	7.13 (181)	7.13 (181)	5.19 (132)	3.81 (97)
SJICH6080804	8 (203)	8 (203)	4 (102)	6.00 (152)	8.75 (222)	2.47(63)	7.13 (181)	7.13 (181)	5.19 (132)	1.81 (46)
SJICH6080806*	8 (203)	8 (203)	6 (152)	6.00 (152)	8.75 (222)	4.47 (114)	7.13 (181)	7.13 (181)	5.19 (132)	3.81 (97)
SJICH6100804	10 (254)	8 (203)	4 (102)	6.00 (152)	10.75 (273)	2.47(63)	9.13 (232)	7.13 (181)	7.19 (183)	1.81 (46)
SJICH6100806*	10 (254)	8 (203)	6 (152)	6.00 (152)	10.75 (273)	4.47 (114)	9.13 (232)	7.13 (181)	7.19 (183)	3.81 (97)
SJICH6101006*	10 (254)	10 (254)	6 (152)	8.00 (203)	10.75 (273)	4.47 (114)	9.13 (232)	9.13 (232)	7.19 (183)	3.81 (97)
SJICH6121005*	12 (305)	10 (254)	5 (127)	8.00 (203)	12.75 (324)	3.47 (88)	11.13 (283)	9.13 (232)	9.19 (233)	2.81 (71)
SJICH6121006*	12 (305)	10 (254)	6 (152)	8.00 (203)	12.75 (324)	4.47 (114)	11.13 (283)	9.13 (232)	9.19 (233)	3.81 (97)
SJICH6121206*	12 (305)	12 (305)	6 (152)	10.00 (254)	12.75 (324)	4.47 (114)	11.13 (283)	11.13 (283)	9.19 (233)	3.81 (97)
SJICH6141206*	14 (356)	12 (305)	6 (152)	10.00 (254)	14.75 (375)	4.47 (114)	13.13 (334)	11.13 (283)	11.19 (284)	3.81 (97)
SJICH6161406*	16 (406)	14 (356)	6 (152)	12 (305)	16.75 (425)	4.47 (114)	15.13 (384)	13.13 (334)	13.19 (335)	3.81 (97)

**Enclosure can be supplied with gland plates*
All dimension in. (mm)

Standard terminal offering

- ABB ZS Screw Clamp
- ABB ZS Cage (Spring) Clamp
- Weidmuller WD Screw Clamp
- Weidmuller ZD Cage (Spring) Clamp

Terminals are mounted on TS-35 DIN rail. The rails are mounted to raised collared studs or unistrut rails which adds additional air flow and wire room.

Additional ABB & Weidmuller terminal blocks available. Contact the factory for more information.

Pages E23 & E24 for maximum number of terminals and rows per enclosure.

Specify ground / earth blocks size and qty separately. Must be included in total qty.

The SJIC(H) terminal boxes are suitable for use Wago, Phoenix and Klemsan Elektrik terminals.

Options

- Panel ID tag 316 stainless steel
- Copper ground / earth bars

SJIC / SJICH MAXIMUM CONDUIT / GLAND OPENINGS					
W/O GLAND PLATE			W/ GLAND PLATE		
BOX DEPTH	MAX NPT	MAX METRIC	BOX DEPTH	MAX NPT	MAX METRIC
4	1”	M32	4	1/2”	M20
5	1-1/2”	M50	5	1-1/4”	M40
6	3”	M80	6	2”	M63

ABB TERMINALS

ABB ZS Series Screw Terminal

ZS 4	32 AMPS 4MM² 690VAC (12 AWG 600VAC)		
	1 ROW	2 ROWS	3 ROWS
SJIC604040*	8		
SJIC606040*	18		
SJIC606060*	18		
SJIC(H)608060*	28		
SJIC(H)608080*	28		
SJIC(H)610080*	32		
SJIC(H)610100*	32	64	
SJIC(H)612100*	42	84	
SJIC(H)612120*	42	84	
SJIC(H)614120*	51	102	
SJIC(H)616140*	61	122	183
ZS 6	**41 AMPS 6MM² 690VAC (10 AWG 600VAC)**		
SJIC604040*	7		
SJIC606040*	15		
SJIC606060*	15		
SJIC(H)608060*	23		
SJIC(H)608080*	23		
SJIC(H)610080*	28		
SJIC(H)610100*	28	56	
SJIC(H)612100*	36	72	
SJIC(H)612120*	36	72	
SJIC(H)614120*	45	90	
SJIC(H)616140*	53	106	159
ZS 10	**57 AMPS 10MM² 690VAC (6 AWG 600VAC)**		
SJIC604040*	0		
SJIC606040*	0		
SJIC606060*	11		
SJIC(H)608060*	18		
SJIC(H)608080*	18		
SJIC(H)610080*	21		
SJIC(H)610100*	21		
SJIC(H)612100*	27		
SJIC(H)612120*	27	54	
SJIC(H)614120*	33	66	
SJIC(H)616140*	40	80	
ZS 16	**76 AMPS 16MM² 690VAC (4 AWG 600VAC)**		
SJIC604040*	0		
SJIC606040*	0		
SJIC606060*	0		
SJIC(H)608060*	0		
SJIC(H)608080*	14		
SJIC(H)610080*	16		
SJIC(H)610100*	16		
SJIC(H)612100*	22		
SJIC(H)612120*	22	44	
SJIC(H)614120*	27	54	
SJIC(H)616140*	32	64	
ZS 35	**125 AMPS 35MM² 690VAC (1/0 AWG 600VAC)**		
SJIC604040*	0		
SJIC606040*	0		
SJIC606060*	0		
SJIC(H)608060*	0		
SJIC(H)608080*	0		
SJIC(H)610080*	0		
SJIC(H)610100*	10		
SJIC(H)612100*	13		
SJIC(H)612120*	13		
SJIC(H)614120*	16		
SJIC(H)616140*	20	40	
ZS 4-D1	**29 AMPS 4MM² 440VAC (12 AWG)**		
SJIC604040*	7		
SJIC606040*	17		
SJIC606060*	17		
SJIC(H)608060*	27		
SJIC(H)608080*	27		
SJIC(H)610080*	32		
SJIC(H)610100*	32	64	
SJIC(H)612100*	41	82	
SJIC(H)612120*	41	82	
SJIC(H)614120*	51	102	
SJIC(H)616140*	61	122	183
ZS 4-D2	**40 AMPS 6MM² 440VAC (10 AWG)**		
SJIC604040*	7		
SJIC606040*	17		
SJIC606060*	17		
SJIC(H)608060*	27		
SJIC(H)608080*	27		
SJIC(H)610080*	32		
SJIC(H)610100*	32	64	
SJIC(H)612100*	41	82	
SJIC(H)612120*	41	82	
SJIC(H)614120*	51	102	
SJIC(H)616140*	61	122	183
ZS 6-D1	**29 AMPS 4MM² 440VAC (12 AWG)**		
SJIC604040*	6		
SJIC606040*	15		
SJIC606060*	15		
SJIC(H)608060*	23		
SJIC(H)608080*	23		
SJIC(H)610080*	27		
SJIC(H)610100*	27	54	
SJIC(H)612100*	36	72	
SJIC(H)612120*	36	72	
SJIC(H)614120*	44	88	
SJIC(H)616140*	53	106	159

ZS 6-D1	40 AMPS 6MM² 440VAC (10 AWG)		
SJIC604040*	6		
SJIC606040*	15		
SJIC606060*	15		
SJIC(H)608060*	23		
SJIC(H)608080*	23		
SJIC(H)610080*	27		
SJIC(H)610100*	27	54	
SJIC(H)612100*	36	72	
SJIC(H)612120*	36	72	
SJIC(H)614120*	44	88	
SJIC(H)616140*	53	106	159

ABB ZK Series Cage Clamp Terminals

ZK 2.5	21 AMPS 2.5MM2 690VAC (14 AWG 600VAC)		
	1 ROW	2 ROWS	3 ROWS
SJIC604040*	10		
SJIC606040*	19		
SJIC606060*	19		
SJIC(H)608060*	29		
SJIC(H)608080*	29		
SJIC(H)610080*	34		
SJIC(H)610100*	34	68	
SJIC(H)612100*	43	86	
SJIC(H)612120*	43	86	129
SJIC(H)614120*	53	106	159
SJIC(H)616140*	63	126	189
ZK 4	**29 AMPS 4MM² 690VAC (12 AWG 600VAC)**		
SJIC604040*	8		
SJIC606040*	16		
SJIC606060*	16		
SJIC(H)608060*	25		
SJIC(H)608080*	25		
SJIC(H)610080*	29		
SJIC(H)610100*	29	58	
SJIC(H)612100*	38	76	
SJIC(H)612120*	38	76	114
SJIC(H)614120*	46	92	138
SJIC(H)616140*	55	110	165
ZK 6	**37 AMPS 6MM² 690VAC (10 AWG 600VAC)**		
SJIC604040*	6		
SJIC606040*	12		
SJIC606060*	12		
SJIC(H)608060*	19		
SJIC(H)608080*	19		
SJIC(H)610080*	22		
SJIC(H)610100*	22	44	
SJIC(H)612100*	28	56	
SJIC(H)612120*	28	56	
SJIC(H)614120*	35	70	
SJIC(H)616140*	41	82	
ZK 10	**51 AMPS 10MM² 690VAC (6 AWG 600VAC)**		
SJIC604040*			
SJIC606040*			
SJIC606060*	10		
SJIC(H)608060*	15		
SJIC(H)608080*	15		
SJIC(H)610080*	17		
SJIC(H)610100*	17		
SJIC(H)612100*	22		
SJIC(H)612120*	22	44	
SJIC(H)614120*	27	54	
SJIC(H)616140*	32	64	
ZK 16	**69 AMPS 16MM² 690VAC (4 AWG 600VAC)**		
SJIC604040*			
SJIC606040*			
SJIC606060*			
SJIC(H)608060*			
SJIC(H)608080*	12		
SJIC(H)610080*	14		
SJIC(H)610100*	14		
SJIC(H)612100*	19		
SJIC(H)612120*	19		
SJIC(H)614120*	23		
SJIC(H)616140*	27	54	
ZK 2.5-3P	**21 AMPS 2.5MM² 690VAC (14 AWG 600VAC)**		
SJIC604040*	10		
SJIC606040*	19		
SJIC606060*	19		
SJIC(H)608060*	29		
SJIC(H)608080*	29		
SJIC(H)610080*	34		
SJIC(H)610100*	34	68	
SJIC(H)612100*	43	86	
SJIC(H)612120*	43	86	
SJIC(H)614120*	53	106	
SJIC(H)616140*	63	126	189

ZK 4-3P	29 AMPS 4MM² 690VAC (12 AWG 600VAC)		
SJIC604040*			
SJIC606040*			
SJIC606060*	16		
SJIC(H)608060*	25		
SJIC(H)608080*	25		
SJIC(H)610080*	29		
SJIC(H)610100*	29	58	
SJIC(H)612100*	38	76	
SJIC(H)612120*	38	76	
SJIC(H)614120*	46	92	
SJIC(H)616140*	55	110	165
ZK 6-3P	**37 AMPS 4MM² 690VAC (10 AWG 600VAC)**		
SJIC604040*			
SJIC606040*			
SJIC606060*			
SJIC(H)608060*			
SJIC(H)608080*	19		
SJIC(H)610080*	22		
SJIC(H)610100*	22		
SJIC(H)612100*	28		
SJIC(H)612120*	28	56	
SJIC(H)614120*	35	70	
SJIC(H)616140*	41	82	

ABB ZK Series Cage Clamp Terminals

ZK 2.5-4P	21 AMPS 2.5MM² 690VAC (14 AWG 600VAC)		
	1 ROW	2 ROWS	3 ROWS
SJIC604040*			
SJIC606040*			
SJIC606060*	19		
SJIC(H)608060*	29		
SJIC(H)608080*	29		
SJIC(H)610080*	34		
SJIC(H)610100*	34		
SJIC(H)612100*	43	86	
SJIC(H)612120*	43	86	
SJIC(H)614120*	53	106	
SJIC(H)616140*	63	126	
ZK 4-4P	**29 AMPS 4MM² 690VAC (12 AWG 600VAC)**		
SJIC604040*			
SJIC606040*	16		
SJIC606060*	25		
SJIC(H)608060*	25		
SJIC(H)608080*	29		
SJIC(H)610080*	29		
SJIC(H)610100*	29		
SJIC(H)612100*	38		
SJIC(H)612120*	38	76	
SJIC(H)614120*	46	92	
SJIC(H)616140*	55	110	

WEIDMULLER TERMINALS

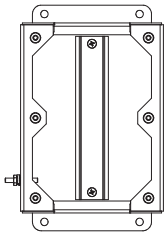
Weidmuller WD Series Screw Terminals

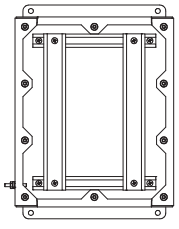
WDU 2.5	15 AMPS 2.5MM² 550VAC (14 AWG)		
	1 ROW	2 ROWS	3 ROWS
SJIC604040*	9		
SJIC606040*	19		
SJIC606060*	19		
SJIC(H)608060*	29		
SJIC(H)608080*	29		
SJIC(H)610080*	34		
SJIC(H)610100*	34	68	
SJIC(H)612100*	44	88	
SJIC(H)612120*	44	88	
SJIC(H)614120*	54	108	
SJIC(H)616140*	64	128	192
WDU 4	**28 AMPS 4MM² 690VAC (12 AWG 600VAC)**		
SJIC604040*	8		
SJIC606040*	16		
SJIC606060*	16		
SJIC(H)608060*	24		
SJIC(H)608080*	24		
SJIC(H)610080*	28		
SJIC(H)610100*	28	56	
SJIC(H)612100*	37	74	
SJIC(H)612120*	37	74	
SJIC(H)614120*	45	90	
SJIC(H)616140*	53	106	159
WDU 6	**36 AMPS 6MM² 550VAC (10 AWG)**		
SJIC604040*	6		
SJIC606040*	12		
SJIC606060*	12		
SJIC(H)608060*	18		
SJIC(H)608080*	18		
SJIC(H)610080*	22		
SJIC(H)610100*	22	44	
SJIC(H)612100*	28	56	
SJIC(H)612120*	28	56	
SJIC(H)614120*	35	70	
SJIC(H)616140*	41	82	123
WDU 10	**50 AMPS 10MM² 550VAC (8 AWG)**		
SJIC604040*	0		
SJIC606040*	0		
SJIC606060*	9		
SJIC(H)608060*	14		
SJIC(H)608080*	14		
SJIC(H)610080*	17		
SJIC(H)610100*	17		
SJIC(H)612100*	22		
SJIC(H)612120*	22	44	
SJIC(H)614120*	27	54	
SJIC(H)616140*	32	64	
WDU 16	**66 AMPS 16MM² 690VAC (6 AWG 600VAC)**		
SJIC604040*	0		
SJIC606040*	0		
SJIC606060*	7		
SJIC(H)608060*	11		
SJIC(H)608080*	11		
SJIC(H)610080*	13		
SJIC(H)610100*	13		
SJIC(H)612100*	17		
SJIC(H)612120*	17	34	
SJIC(H)614120*	21	42	
SJIC(H)616140*	25	50	
WDU 35	**109 AMPS 35MM² 690VAC (2 AWG 600VAC)**		
SJIC604040*	0		
SJIC606040*	0		
SJIC606060*	0		
SJIC(H)608060*	0		
SJIC(H)608080*	8		
SJIC(H)610080*	10		
SJIC(H)610100*	10		
SJIC(H)612100*	13		
SJIC(H)612120*	13		
SJIC(H)614120*	16		
SJIC(H)616140*	19	38	

WDU 2.5N	15 AMPS 2.5MM² 440VAC (14 AWG)			
	1 ROW	2 ROWS	3 ROWS	4 ROWS
SJIC604040*	9			
SJIC606040*	19			
SJIC606060*	19			
SJIC(H)608060*	29			
SJIC(H)608080*	29			
SJIC(H)610080*	34			
SJIC(H)610100*	34	68		
SJIC(H)612100*	44	88		
SJIC(H)612120*	44	88	132	
SJIC(H)614120*	54	108	162	
SJIC(H)616140*	64	128	192	256
WDU 4N	**27 AMPS 4MM² 440VAC (12 AWG)**			
SJIC604040*	8			
SJIC606040*	16			
SJIC606060*	16			
SJIC(H)608060*	24			
SJIC(H)608080*	24			
SJIC(H)610080*	28			
SJIC(H)610100*	28	56		
SJIC(H)612100*	37	74		
SJIC(H)612120*	37	74	111	
SJIC(H)614120*	45	90	135	
SJIC(H)616140*	53	106	159	212
WDK 2.5N	**21 AMPS 2.5MM² 550VAC (14 AWG) DOUBLE POLE FEED THROUGH**			
SJIC604040*	7			
SJIC606040*	17			
SJIC606060*	17			
SJIC(H)608060*	27			
SJIC(H)608080*	27			
SJIC(H)610080*	32			
SJIC(H)610100*	32	64		
SJIC(H)612100*	42	84		
SJIC(H)612120*	42	84		
SJIC(H)614120*	52	104		
SJIC(H)616140*	62	124	186	
WDK 4N	**28 AMPS 4MM² 550VAC (12 AWG) DOUBLE POLE FEED THROUGH**			
SJIC604040*	6			
SJIC606040*	14			
SJIC606060*	14			
SJIC(H)608060*	22			
SJIC(H)608080*	22			
SJIC(H)610080*	26			
SJIC(H)610100*	26	52		
SJIC(H)612100*	35	70		
SJIC(H)612120*	35	70		
SJIC(H)614120*	43	86		
SJIC(H)616140*	51	102	153	
WDK 2.5N V	**21 AMPS 2.5MM² 550VAC (14 AWG) FOUR POLES FEED THROUGH**			
SJIC604040*	7			
SJIC606040*	17			
SJIC606060*	17			
SJIC(H)608060*	27			
SJIC(H)608080*	27			
SJIC(H)610080*	32			
SJIC(H)610100*	32	64		
SJIC(H)612100*	42	84		
SJIC(H)612120*	42	84		
SJIC(H)614120*	52	104		
SJIC(H)616140*	62	124	186	
WDK 4N V	**28 AMPS 4MM² 550VAC (12 AWG) FOUR POLES FEED THROUGH**			
SJIC604040*	6			
SJIC606040*	14			
SJIC606060*	14			
SJIC(H)608060*	22			
SJIC(H)608080*	22			
SJIC(H)610080*	26			
SJIC(H)610100*	26	52		
SJIC(H)612100*	35	70		
SJIC(H)612120*	35	70		
SJIC(H)614120*	43	86		
SJIC(H)616140*	51	102	153	

Weidmuller ZD Series Cage Clamp Terminals

ZDU 2.5	21 AMPS 2.5MM² 550VAC (14 AWG)		
	1 ROW	2 ROWS	3 ROWS
SJIC604040*	9		
SJIC606040*	19		
SJIC606060*	19		
SJIC(H)608060*	29		
SJIC(H)608080*	29		
SJIC(H)610080*	34		
SJIC(H)610100*	34	68	
SJIC(H)612100*	44	88	
SJIC(H)612120*	44	88	
SJIC(H)614120*	54	108	
SJIC(H)616140*	64	128	201
ZDU 4	**28 AMPS 4MM² 550VAC (12 AWG)**		
SJIC604040*	8		
SJIC606040*	16		
SJIC606060*	16		
SJIC(H)608060*	24		
SJIC(H)608080*	24		
SJIC(H)610080*	28		
SJIC(H)610100*	28	56	
SJIC(H)612100*	37	74	
SJIC(H)612120*	37	74	
SJIC(H)614120*	45	90	
SJIC(H)616140*	53	106	201
ZDU 6	**36 AMPS 6MM² 550VAC (10 AWG)**		
SJIC604040*	6		
SJIC606040*	12		
SJIC606060*	12		
SJIC(H)608060*	18		
SJIC(H)608080*	18		
SJIC(H)610080*	21		
SJIC(H)610100*	21	42	
SJIC(H)612100*	27	54	
SJIC(H)612120*	27	54	
SJIC(H)614120*	34	68	
SJIC(H)616140*	40	80	201
ZDU 10	**50 AMPS 10MM² 550VAC (8 AWG)**		
SJIC604040*			
SJIC606040*			
SJIC606060*	9		
SJIC(H)608060*	14		
SJIC(H)608080*	14		
SJIC(H)610080*	17		
SJIC(H)610100*	17		
SJIC(H)612100*	22		
SJIC(H)612120*	22	44	
SJIC(H)614120*	27	54	
SJIC(H)616140*	32	64	
ZDU 16	**66 AMPS 16MM² 690VAC (6 AWG 600VAC)**		
SJIC604040*			
SJIC606040*			
SJIC606060*			
SJIC(H)608060*			
SJIC(H)608080*	12		
SJIC(H)610080*	14		
SJIC(H)610100*	14		
SJIC(H)612100*	18		
SJIC(H)612120*	18	36	
SJIC(H)614120*	22	44	
SJIC(H)616140*	26	52	
ZDU 35	**109 AMPS 35MM² 690VAC (2 AWG 600VAC)**		
SJIC604040*			
SJIC606040*			
SJIC606060*			
SJIC(H)608060*			
SJIC(H)608080*			
SJIC(H)610080*			
SJIC(H)610100*	11		
SJIC(H)612100*	14		
SJIC(H)612120*	14		
SJIC(H)614120*	17		
SJIC(H)616140*	20		





IEC Ex e RATINGS

ABB TERM BLOCK	TERMINAL RESISTIVE OHMS	MAX AMPS	MAX VAC	MAX WIRE SIZE				WIRE STRIP LENGTH	TORQUE VALUES	
				MAX WIRE - METRIC		MAX WIRE - USA				
				MM²	RESISTIVE OHMS/M	AWG	RESISTIVE OHMS/M	IN. (MM)	NM	LB.IN
ZS4	0.00098	32	690	4	0.00461	12	0.005210	0.413 (10.5)	0.6	5.3
ZS6	0.00077	41	690	6	0.00308	10	0.003277	0.413 (10.5)	0.85	7.5
ZS10	0.0018	57	690	10	0.00183	6	0.001296	0.472 (12.0)	1.3	11.5
ZS16	0.0024	76	690	16	0.00115	4	0.000813	0.531 (13.5)	1.8	15.9
ZS35	0.004	125	690	35	0.000524	1/0	0.000323	0.669 (17.0)	2.9	25.7
ZS4-D1	0.00226	29	440	4	0.00461	12	0.005210	0.394 (10.0)	0.6	5.3
ZS6-D1	0.00226	40	440	6	0.00308	10	0.003277	0.394 (10.0)	0.85	7.5
ZS4-D2	0.0026	29	440	4	0.00461	12	0.005210	0.394 (10.0)	0.6	5.3
ZS6-D2	0.0026	40	440	6	0.00308	10	0.003277	0.394 (10.0)	0.85	7.5
ZK2.5	0.0008	21	630	2.5	0.00741	12	0.005210	0.433 (11.0)	N/A	N/A
ZK4	0.001	29	630	4	0.00461	10	0.003277	0.492 (12.5)		
ZK6	0.0013	37	630	6	0.00308	8	0.002061	0.492 (12.5)		
ZK10	0.0018	51	630	10	0.00115	6	0.001296	0.591 (15.0)		
ZK16	0.0024	69	630	16	0.000524	4	0.000813	0.591 (15.0)		
ZK2.5-3P	0.0008	21	630	2.5	0.00741	12	0.005210	0.433 (11.0)		
ZK4-3P	0.001	29	630	4	0.00461	10	0.003277	0.492 (12.5)		
ZK6-3P	0.0013	37	630	6	0.00308	8	0.002061	0.492 (12.5)		
ZK2.5-4P	0.0008	21	630	2.5	0.00741	12	0.005210	0.433 (11.0)		
ZK4-4P	0.001	29	630	4	0.00461	10	0.003277	0.492 (12.5)		

WEIDMULLER TERM BLOCK	TERMINAL RESISTIVE OHMS	MAX AMPS	MAX VAC	MAX WIRE SIZE				WIRE STRIP LENGTH	TORQUE VALUES	
				MAX WIRE - METRIC		MAX WIRE - USA				
				MM²	RESISTIVE OHMS/M	AWG	RESISTIVE OHMS/M	IN. (MM)	NM	LB.IN
WDU 2.5	0.00033	15	550	2.5	0.00741	14	0.008284	0.394 (10.0)	0.4 - 0.8	0.3 - 0 .6
WDU 4	0.00031	28	690	4	0.00461	12	0.005210	0.394 (10.0)	0.5 - 1.0	0.4 - 0.7
WDU 6	0.00028	36	550	6	0.00308	10	0.003277	0.472 (12.0)	0.8 - 1.6	0.6 - 1.2
WDU 10	0.0002	50	550	10	0.00183	8	0.002061	0.472 (12.0)	1.2 - 2.4	0.9 - 1.8
WDU 16	0.00015	66	690	16	0.00115	6	0.001296	0.630 (16.0)	2.0 - 4.0	1.5 - 3.0
WDU 35	0.0001	109	690	35	0.000524	2	0.000513	0.708 (18.0)	4.0 - 5.0	3.0 - 3.7
WDU 2.5N	0.00036	15	440	2.5	0.00741	14	0.008284	0.394 (10.0)	0.4 - 0.6	0.3 -0 .4
WDU 4N	0.00033	27	440	4	0.00461	12	0.005210	0.433 (11.0)	0.5 - 1.0	0.4 - 0.7
WDK 2.5N	0.00053	21	550	2.5	0.00741	14	0.008284	0.315 (8.0)	0.4 - 0.6	0.3 - 0 .4
WDK 4N	0.00033	28	550	4	0.00461	12	0.005210	0.315 (8.0)	0.5 - 1.0	0.4 - 0.7
WDK 2.5NV	0.00076	21	550	2.5	0.00741	14	0.008284	0.315 (8.0)	0.4 - 0.6	0.3 - 0 .4
WDK 4NV	0.00045	28	550	4	0.00461	12	0.005210	0.315 (8.0)	0.5 - 1.0	0.4 - 0.7
ZDU 2.5	0.00033	21	550	2.5	0.00741	14	0.008284	0.394 (10.0)	N/A	N/A
ZDU 4	0.00031	28	550	4	0.00461	12	0.005210	0.472 (12.0)		
ZDU 6	0.00028	36	550	6	0.00308	10	0.003277	0.512 (13.0)		
ZDU 10	0.0002	50	550	10	0.00183	8	0.002061	0.708 (18.0)		
ZDU 16	0.00015	66	550	16	0.00115	6	0.001296	0.708 (18.0)		
ZDU 35	0.0001	109	550	35	0.000524	2	0.000513	0.980 (25.0)		

PHOENIX TERM BLOCK	TERMINAL RESISTIVE OHMS	MAX AMPS	MAX VAC	MAX WIRE SIZE				WIRE STRIP LENGTH	TORQUE VALUES	
				MAX WIRE - METRIC		MAX WIRE - USA				
				MM2	RESISTIVE OHMS/M	AWG	RESISTIVE OHMS/M	IN. (MM)	NM	LB.FT
UT 2.5	0.00041	22	690	2.5	0.00741	12	0.005210	0.35 (9.00)	0.5 - 0.6	0 .4
UT 4	0.00026	30	690	4	0.00461	10	0.003277	0.35 (9.00)	0.6- 0.8	0.4 - 0 .6
UT 6	0.0002	40	690	6	0.00308	8	0.002061	0.39 (10.00)	1.5 - 1.8	1.1 - 1.3
UT 10	0.00014	54	690	10	0.00183	6	0.001296	0.39 (10.00)	1.5 - 1.8	1.1 - 1.3
UT 16	0.00016	73.5	690	16	0.00115	4	0.000813	0.55 (14.00)	2.5 - 3	1.8 - 2.2
UT 35	0.00006	126	690	35	0.000524	1/0	0.000323	0.708 (18.00)	3.2 - 3.7	2.4 - 2.7
UK 2.5N	0.00041	24	550	2.5	0.00741	14	0.008284	0.28 (7.00)	0.6- 0.8	0.4 - 0 .6
UK 3N	0.0005	29	690	2.5	0.00461	12	0.005210	0.315 (8.0)	0.6- 0.8	0.4 - 0 .6
UK 5N	0.00037	32	690	4	0.00308	10	0.003277	0.315 (8.0)	0.6- 0.8	0.4 - 0 .6
UK 6N	0.00016	41	690	6	0.00183	8	0.002061	0.39 (10.00)	1.5 - 1.8	1.1 - 1.3
UK 10N	0.00012	57	690	10	0.00115	6	0.001296	0.39 (10.00)	1.5 - 1.8	1.1 - 1.3
UK 16N	0.00017	74	690	16	0.000524	4	0.000813	0.433 (11.0)	1.5 - 1.8	1.1 - 1.3
ST 2.5	0.00141	21	550	2.5	0.00741	12	0.005210	0.39 (10.00)	N/A	N/A
ST 4	0.00063	30	550	4	0.00461	10	0.003277	0.39 (10.00)		
ST 6	0.00056	36.5	550	6	0.00308	8	0.002061	0.472 (12.0)		
ST 10	0.0004	50	550	10	0.00183	6	0.001296	0.708 (18.00)		
ST 16	0.00034	65	550	16	0.00115	4	0.000813	0.708 (18.00)		
ST 35	0.00021	108	690	35	0.000524	2	0.000513	0.980 (25.0)		

USF / SJIC / SJICH ENCLOSURES

TECHNE-TERM®

TABLE 1: Minimum distance from edge of box to the center of the conduit / cable entry.

NPT (METRIC)	4"	3-1/2"	3" (M75)	2-1/2" (M63)	2" (M50)	1-1/2" (M40)	1-1/4" (M32)	1" (M25)	3/4" (M20)	1/2" (M16)
IN. (MM)	2-3/4 (70)	2-1/2 (64)	2 (51)	2 (51)	1-5/8 (41)	1-3/8 (35)	1-1/4 (32)	1 (25)	7/8 (22)	3/4 (19)

TABLE 2 Minimum distance from edge of gland plate to the center of the conduit / cable entry.

NPT (METRIC)	4" (M100)	3-1/2" (M80)	3" (M75)	2-1/2" (M63)	2" (M50)	1-1/2" (M40)	1-1/4" (M32)	1" (M25)	3/4" (M20)	1/2" (M16)
IN. (MM)	3-1/4 (83)	3 (76)	2-3/4 (70)	2-1/2 (64)	2-1/8 (54)	1-7/8 (48)	1-3/4 (44)	1-1/2 (38)	1-3/8 (35)	1-1/4 (32)

TABLE 3: NEC / CEC minimum wire bending space from inside wall of the enclosure, North America applications only.

SIZE AWG (MM2)	16 (1.5)	14 (2.5)	12 (4)	10 (6)	8 (10)	6 (16)	4 (25)	2 (35)	1/0 (50)	2/0 (70)	3/0 (95)	4/0 (120)
IN. (MM)	1.5 (38)	1.5 (38)	1.5 (38)	1.5 (38)	1.5 (38)	2 (51)	3 (76)	3.5 (89)	5.5 (140)	6 (152)	6.5 (164)	7 (178)

TABLE 4: Punched hole diameters. For additional sizes not shown please contact the factory.

NPT	4"	3-1/2"	3"	2-1/2"	2"	1-1/2	1-1/4"	1"	3/4"	1/2"
MAX. HOLE DIA. IN. (MM)	4.53 (115.06)	4.03 (102.36)	3.53 (89.66)	2.905 (73.79)	2.405 (61.08)	1.93 (49.2)	1.69 (42.93)	1.345 (34.16)	1.08 (27.4)	.87 (22.09)
METRIC	M100	M80	M75	M63	M50	M40	M32	M25	M20	M16
MAX. HOLE DIA. MM (IN.)	100.7 (3.94)	80.7 (3.15)	75.7 (2.95)	63.7 (2.48)	50.7 (1.97)	40.7 (1.58)	32.7 (1.26)	25.7 (0.98)	20.7 (0.79)	16.7 (0.63)

TABLE 5: Minimum distance of the center line to center line of the conduit / cable entries.

(NPT) [METRIC]	4 [M100]	3 1/2 [M80]	3 [M75]	2 1/2 [M63]	2 [M50]	1 1/2 [M40]	1 1/4 [M32]	1 [M25]	3/4 [M20]	1/2 [M16]
1/2 [M16]	3 5/8 [92mm]	3 3/8 [86mm]	3 1/8 [80mm]	2 3/4 [70mm]	2 1/2 [64mm]	2 1/4 [58mm]	2 1/8 [54mm]	1 7/8 [48mm]	1 3/4 [45mm]	1 5/8 [41mm]
3/4 [M20]	3 3/4 [96mm]	3 1/2 [89mm]	3 1/4 [83mm]	2 7/8 [74mm]	2 5/8 [68mm]	2 3/8 [60mm]	2 1/4 [58mm]	2 [51mm]	1 7/8 [48mm]	
1 [M25]	3 7/8 [99mm]	3 5/8 [92mm]	3 3/8 [86mm]	3 [77mm]	2 3/4 [70mm]	2 1/2 [64mm]	2 3/8 [60mm]	2 1/8 [54mm]		
1 1/4 [M32]	4 1/8 [105mm]	3 7/8 [99mm]	3 1/2 [89mm]	3 1/4 [83mm]	3 [77mm]	2 3/4 [70mm]	2 1/2 [64mm]			
1 1/2 [M40]	4 1/4 [108mm]	4 [102mm]	3 3/4 [96mm]	3 3/8 [86mm]	3 1/8 [80mm]	2 7/8 [73mm]				
2 [M50]	4 3/4 [121mm]	4 1/2 [115mm]	4 [102mm]	3 5/8 [92mm]	3 3/8 [86mm]					
2 1/2 [M63]	4 7/8 [124mm]	4 5/8 [118mm]	4 1/4 [108mm]	3 7/8 [99mm]						
3 [M75]	5 1/4 [134mm]	5 [127mm]	4 5/8 [118mm]							
3 1/2 [M80]	5 3/4 [147mm]	5 1/2 [140mm]								
4 [M100]	6 1/4 [159mm]									

All dimension in. (mm)