

HDB9 Series

New Final Distribution Product

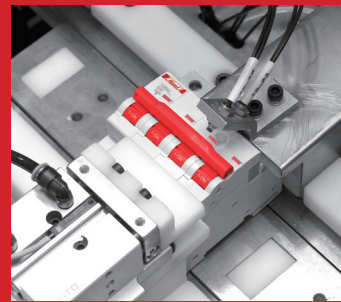


The Right Choice!

The Right



t Choice!



Applicable. Available. Accountable.



The Right Choice!

Delixi Electric IS NOW **HIMEL**

We constantly strive to deliver more value to our customers. This is why we have migrated Delixi Electric to Himel – an international brand which is driven by three core values: applicable, available, and accountable.

As Himel, we are able to establish a network of local teams and partners to better understand and serve our customers' needs. We regularly work to increase the volume of our stock at the local level and make sure our products are readily available whenever needed.

Himel sets out to meet its customers' evolving needs with the introduction of the 6 Series, a new line of low-voltage products that features uniform design and improved reliability. Under the name of Himel, we will continually expand our product portfolio through collaborative research and development with new industrial partners.

APPLICABLE
AVAILABLE
ACCOUNTABLE

Himel is: APPLICABLE AVAILABLE ACCOUNTABLE

ABOUT US

Himel is an international manufacturer and provider of low-voltage electrical products that successfully combines global expertise with local knowledge.

We focus on true partnership with customers and offer products that meet practical needs and ensure relevant compatibility for common usage. We work to be always ready for our customers and react quickly to their needs. We are accountable and committed to maintaining sustainable, long-term relationships.

At Himel we believe that functionality and availability do not have to come at a high cost. We ensure that our simple and solid products are always where they are needed. We guarantee complete originality of all our components and promote safe installation and usage.

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Function and Features

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Technical Data
Overall Dimensions

Accessory

HDB9 18mm Miniature Circuit Breaker

Standard: IEC 60898-1

Trip Curve: B, C and D curves

Breaking Capacity: 6000/10000A



Function

HDB9 miniature circuit breakers combine the following functions:

- Protection of circuits against overload currents
- Protection of circuits against short-circuit currents
- Control
- Isolation

Order Information

Name	Breaking Capacity(kA)	Frame Size	Pole	Type	Rated current
HDB9	N: 6kA	63:63AF	1:1P	B:B Curve	1:1A
	H: 10kA		2:2P	C:C Curve	2:2A
			3:3P	D:D Curve	...
			4:4P		63:63A



Type	Breaking Capacity(kA)	Rating(A)	Width	Reference		
				B Curve	C Curve	D Curve
1P 1 2	6	1	2	HDB9N631B1	HDB9N631C1	HDB9N631D1
		2	2	HDB9N631B2	HDB9N631C2	HDB9N631D2
		4	2	HDB9N631B4	HDB9N631C4	HDB9N631D4
		6	2	HDB9N631B6	HDB9N631C6	HDB9N631D6
		10	2	HDB9N631B10	HDB9N631C10	HDB9N631D10
		16	2	HDB9N631B16	HDB9N631C16	HDB9N631D16
		20	2	HDB9N631B20	HDB9N631C20	HDB9N631D20
		25	2	HDB9N631B25	HDB9N631C25	HDB9N631D25
		32	2	HDB9N631B32	HDB9N631C32	HDB9N631D32
		40	2	HDB9N631B40	HDB9N631C40	HDB9N631D40
		50	2	HDB9N631B50	HDB9N631C50	HDB9N631D50
		63	2	HDB9N631B63	HDB9N631C63	HDB9N631D63
10	10	1	2	HDB9H631B1	HDB9H631C1	HDB9H631D1
		2	2	HDB9H631B2	HDB9H631C2	HDB9H631D2
		4	2	HDB9H631B4	HDB9H631C4	HDB9H631D4
		6	2	HDB9H631B6	HDB9H631C6	HDB9H631D6
		10	2	HDB9H631B10	HDB9H631C10	HDB9H631D10
		16	2	HDB9H631B16	HDB9H631C16	HDB9H631D16
		20	2	HDB9H631B20	HDB9H631C20	HDB9H631D20
		25	2	HDB9H631B25	HDB9H631C25	HDB9H631D25
		32	2	HDB9H631B32	HDB9H631C32	HDB9H631D32
		40	2	HDB9H631B40	HDB9H631C40	HDB9H631D40
		50	2	HDB9H631B50	HDB9H631C50	HDB9H631D50
		63	2	HDB9H631B63	HDB9H631C63	HDB9H631D63

Note: Width refers to multiple of 9 mm.

B curve product need to customize

HDB9 18mm Miniature Circuit Breaker

Standard: IEC 60898-1

Trip Curve: B, C and D curves

Breaking Capacity: 6000/10000A



Function

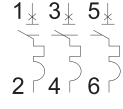


Order Information

Type	Breaking Capacity(kA)	Rating(A)	Width	Reference		
				B Curve	C Curve	D Curve
2P 	6	1	4	HDB9N632B1	HDB9N632C1	HDB9N632D1
		2	4	HDB9N632B2	HDB9N632C2	HDB9N632D2
		4	4	HDB9N632B4	HDB9N632C4	HDB9N632D4
		6	4	HDB9N632B6	HDB9N632C6	HDB9N632D6
		10	4	HDB9N632B10	HDB9N632C10	HDB9N632D10
		16	4	HDB9N632B16	HDB9N632C16	HDB9N632D16
		20	4	HDB9N632B20	HDB9N632C20	HDB9N632D20
		25	4	HDB9N632B25	HDB9N632C25	HDB9N632D25
		32	4	HDB9N632B32	HDB9N632C32	HDB9N632D32
		40	4	HDB9N632B40	HDB9N632C40	HDB9N632D40
		50	4	HDB9N632B50	HDB9N632C50	HDB9N632D50
		63	4	HDB9N632B63	HDB9N632C63	HDB9N632D63

	10	1	4	HDB9H632B1	HDB9H632C1	HDB9H632D1
		2	4	HDB9H632B2	HDB9H632C2	HDB9H632D2
		4	4	HDB9H632B4	HDB9H632C4	HDB9H632D4
		6	4	HDB9H632B6	HDB9H632C6	HDB9H632D6
		10	4	HDB9H632B10	HDB9H632C10	HDB9H632D10
		16	4	HDB9H632B16	HDB9H632C16	HDB9H632D16
		20	4	HDB9H632B20	HDB9H632C20	HDB9H632D20
		25	4	HDB9H632B25	HDB9H632C25	HDB9H632D25
		32	4	HDB9H632B32	HDB9H632C32	HDB9H632D32
		40	4	HDB9H632B40	HDB9H632C40	HDB9H632D40
		50	4	HDB9H632B50	HDB9H632C50	HDB9H632D50
		63	4	HDB9H632B63	HDB9H632C63	HDB9H632D63



3P 	6	1	6	HDB9N633B1	HDB9N633C1	HDB9N633D1
		2	6	HDB9N633B2	HDB9N633C2	HDB9N633D2
		4	6	HDB9N633B4	HDB9N633C4	HDB9N633D4
		6	6	HDB9N633B6	HDB9N633C6	HDB9N633D6
		10	6	HDB9N633B10	HDB9N633C10	HDB9N633D10
		16	6	HDB9N633B16	HDB9N633C16	HDB9N633D16
		20	6	HDB9N633B20	HDB9N633C20	HDB9N633D20
		25	6	HDB9N633B25	HDB9N633C25	HDB9N633D25
		32	6	HDB9N633B32	HDB9N633C32	HDB9N633D32
		40	6	HDB9N633B40	HDB9N633C40	HDB9N633D40
		50	6	HDB9N633B50	HDB9N633C50	HDB9N633D50
		63	6	HDB9N633B63	HDB9N633C63	HDB9N633D63

Note: Width refers to multiple of 9 mm.

B curve product need to customize

HDB9 18mm Miniature Circuit Breaker

Standard: IEC 60898-1

Trip Curve: B, C and D curves

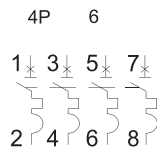
Breaking Capacity: 6000/10000A



Function

Order Information

Type	Breaking Capacity(kA)	Rating(A)	Width	Reference		
				B Curve	C Curve	D Curve
10		1	6	HDB9H633B1	HDB9H633C1	HDB9H633D1
		2	6	HDB9H633B2	HDB9H633C2	HDB9H633D2
		4	6	HDB9H633B4	HDB9H633C4	HDB9H633D4
		6	6	HDB9H633B6	HDB9H633C6	HDB9H633D6
		10	6	HDB9H633B10	HDB9H633C10	HDB9H633D10
		16	6	HDB9H633B16	HDB9H633C16	HDB9H633D16
		20	6	HDB9H633B20	HDB9H633C20	HDB9H633D20
		25	6	HDB9H633B25	HDB9H633C25	HDB9H633D25
		32	6	HDB9H633B32	HDB9H633C32	HDB9H633D32
		40	6	HDB9H633B40	HDB9H633C40	HDB9H633D40
		50	6	HDB9H633B50	HDB9H633C50	HDB9H633D50
		63	6	HDB9H633B63	HDB9H633C63	HDB9H633D63



4P	6	1	8	HDB9N634B1	HDB9N634C1	HDB9N634D1
		2	8	HDB9N634B2	HDB9N634C2	HDB9N634D2
		4	8	HDB9N634B4	HDB9N634C4	HDB9N634D4
		6	8	HDB9N634B6	HDB9N634C6	HDB9N634D6
		10	8	HDB9N634B10	HDB9N634C10	HDB9N634D10
		16	8	HDB9N634B16	HDB9N634C16	HDB9N634D16
		20	8	HDB9N634B20	HDB9N634C20	HDB9N634D20
		25	8	HDB9N634B25	HDB9N634C25	HDB9N634D25
		32	8	HDB9N634B32	HDB9N634C32	HDB9N634D32
		40	8	HDB9N634B40	HDB9N634C40	HDB9N634D40
		50	8	HDB9N634B50	HDB9N634C50	HDB9N634D50
		63	8	HDB9N634B63	HDB9N634C63	HDB9N634D63

10		1	8	HDB9H634B1	HDB9H634C1	HDB9H634D1
		2	8	HDB9H634B2	HDB9H634C2	HDB9H634D2
		4	8	HDB9H634B4	HDB9H634C4	HDB9H634D4
		6	8	HDB9H634B6	HDB9H634C6	HDB9H634D6
		10	8	HDB9H634B10	HDB9H634C10	HDB9H634D10
		16	8	HDB9H634B16	HDB9H634C16	HDB9H634D16
		20	8	HDB9H634B20	HDB9H634C20	HDB9H634D20
		25	8	HDB9H634B25	HDB9H634C25	HDB9H634D25
		32	8	HDB9H634B32	HDB9H634C32	HDB9H634D32
		40	8	HDB9H634B40	HDB9H634C40	HDB9H634D40
		50	8	HDB9H634B50	HDB9H634C50	HDB9H634D50
		63	8	HDB9H634B63	HDB9H634C63	HDB9H634D63

Note: Width refers to multiple of 9 mm.

B curve product need to customize

HDB9 18mm Miniature Circuit Breaker

Standard: IEC 60898-1

Trip Curve: B, C and D curves

Breaking Capacity: 6000/10000A



Technical Data

MCB	HDB9 18mm Circuit Breaker				
Electrical Features	Standard	IEC 60898-1			
	Certification	KEMA CB CE			
	Poles	1-4P			
	Rated Current In	1,2,4,6,10,16,20,25,32,40,50,63A			
	Rated Voltage Ue	230/400V AC			
	Insulation Voltage Ui	500V			
	Breaking Capacity Icn				
	Rate Current(A)	Breaking Capacity Icn(kA)	Type	Poles	Voltage (V)
	1-63	6	B,C,D	1P	230/400
				2P,3P,4P	400
	1-63	10	B,C,D	1P	230/400
				2P,3P,4P	400
	Tripping Curve(see following tripping curve pictures)				
B curve; the magnetic release operates between 3 and 5 In					
C curve; the magnetic release operates between 5 and 10 In					
D curve; the magnetic release operates between Io and I4 In					
Mechanical Features	Electrical Durability	10000 times			
	Mechanical Durability	20000 times			
	Protection Degree	2			
	Ambient Temperture	-30 °C~+70°C			
Connection	1-32A	Up to 25mm² cables	40-63	Up to 35mm² cables	
Installation	Rate Current(A)	Screw	Rated Torque(Nm)	Limiting Torque(Nm)	
	1-32	M5	2.0	2.5	
	40-63	M6.5	3.5	2.5	
Mounting	35mm Din-rail				
Accessories	Contact Accessory	OF			
	Fault-Indicating Accessory	SD			
	Shunt-Trip Release	MX+OF			

HDB9 18mm Miniature Circuit Breaker

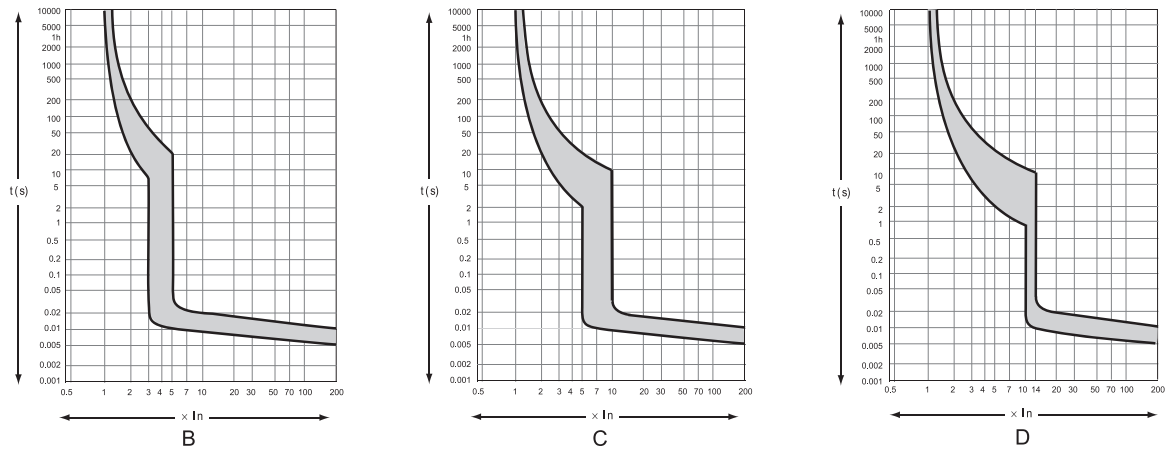
Standard: IEC 60898-1

Trip Curve: B, C and D curves

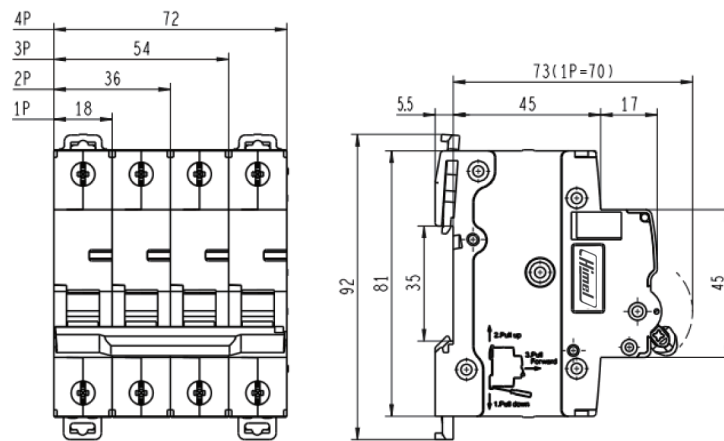
Breaking Capacity: 6000/10000A



Tripping Curve



Overall Dimensions



Unit: mm

Accessory



HDG9 Switch Disconnecter

Standard: IEC 60947-3



Function

HDG9 switch disconnectors combine the following functions:

- Making and breaking normal load circuits
- Isolation

Order Information			
Type	Rating(A)	Width (in mod.of 9mm)	Reference
1P	32	2	CDG9125132
	63	2	CDG9125163
	100	2	CDG91251100
	125	2	CDG91251125
2P	32	4	CDG9125232
	63	4	CDG9125263
	100	4	CDG91252100
	125	4	CDG91252125
3P	32	6	CDG9125332
	63	6	CDG9125363
	100	6	CDG91253100
	125	6	CDG91253125
4P	32	8	CDG9125432
	63	8	CDG9125463
	100	8	CDG91254100
	125	8	CDG91254125



HDG9 Switch Disconnecter

Standard: IEC 60947-3

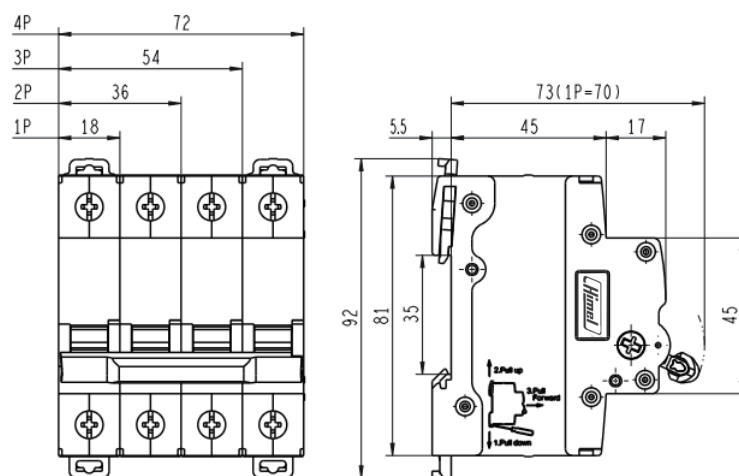


Technical Data

Switch Disconnecter	CDG9 Switch Disconnecter			
Electrical Features	Standard	IEC 60947-3		
	Certification	CB,CE,TUV		
	Poles	I-4P		
	Rated Current In	32,63,100,125A		
	Rated Voltage Ue	230/400VAC		
	Insulation Voltage Ui	500V		
	Short-time Withstand			
	Current for 1s	12Ie		
Mechanical Features	Electrical Durability	10000 times		
	Mechanical Durability	20000 times		
	Protection Degree	2		
	Ambient Temperature	-30 °C~+70°C		
	Tropicalization	treatment 2		
Connection	Up to 50mm² cables			
Installation	Rate current(A)	Screw	Rated Torque(Nm)	Limiting Torque(Nm)
	32-125	M6.5	3.5	3.5
Mounting	35mm Din-rail			

Overall Dimensions

Unit: mm



Accessory

HDB9,HDB9LE

The sketch map of installation with breakers



Remote Control Auxiliaries

■ OF contact auxiliary

- Indicate ON or OFF state of the breaker
- Basic type of auxiliary contact: 1NO+1NC

■ SD fault-indicating switch

- Sent out fault signal on the front when breaking down
- Indicator on the front to show fault trip
- Basic type of auxiliary contact: NO+1NC

Tripping Device

■ MX+OF shunt trip release

- Indicate ON or OFF state of the breaker
- Without tools ,direct installed in the left of MCB

Introductions

- Without tools ,direct installed in the left of MCB
- Each MCB maximum assemble 3 control auxiliaries(OF or SD)



Order Information

Type	Width(mm)	Voltage(V)	Reference
OF	9		HDB963OF
SD	9		HDB963SD
MX+OF	18	AC/DC 12/24V	HDB963MX24
	18	AC/DC 48V	HDB963MX48
	18	AC 100-415V DC 110-130V	HDB963MX415

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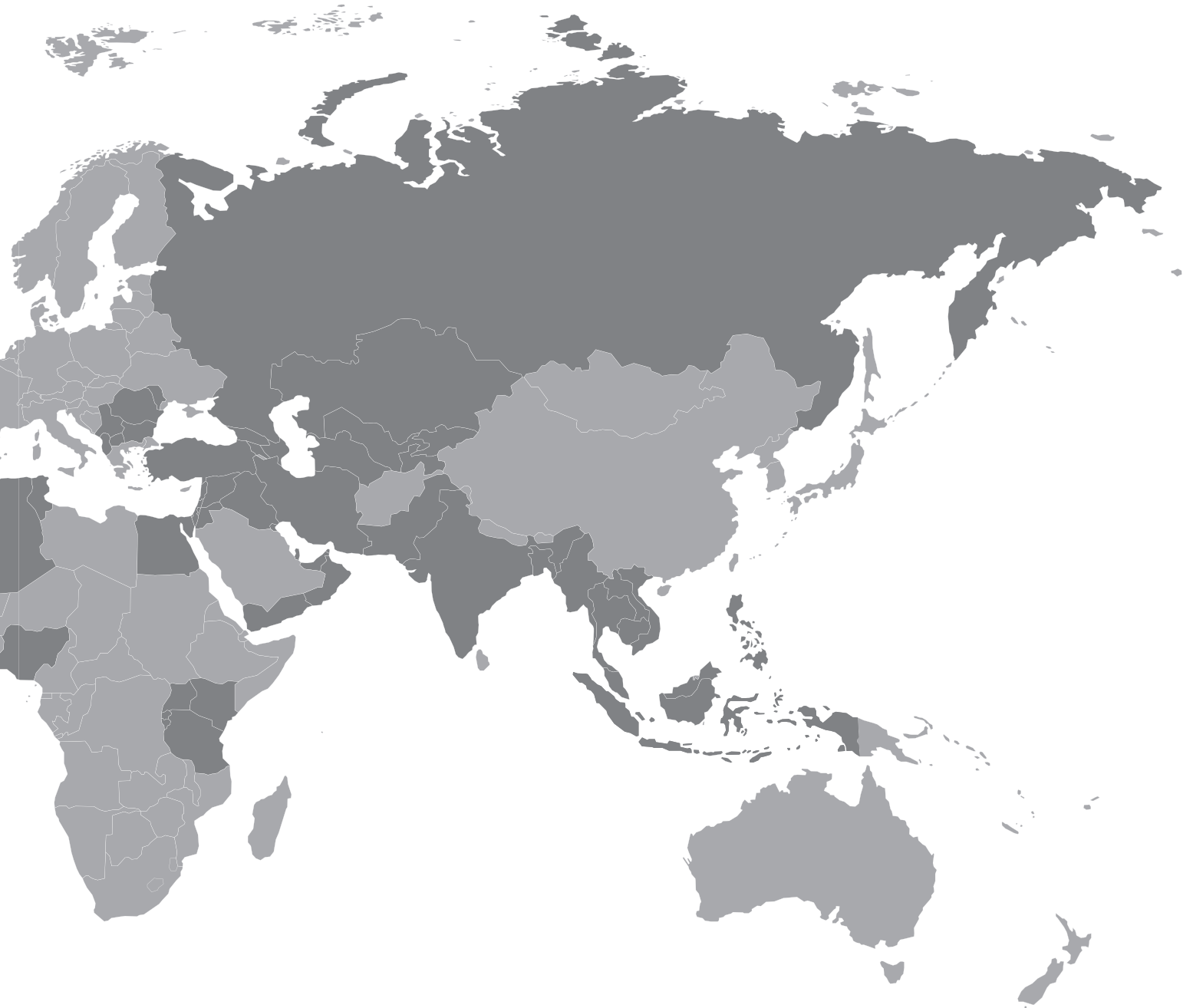
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A Company to Serve



e You Where You Are



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