

Conectores indicados para aplicações pesadas, indicadas para maquinários e seus mecanismos que necessitam de proteções contra influências externas como choques mecânicos, umidade, poeira, água, fluidos diversos, óleo e qualquer corpo estranho que possa comprometer o funcionamento do equipamento

## Acessórios

# TOMADAS MULTIPOLARES HEAVY DUTY CONNECTORS

Tomadas Industriais HDC

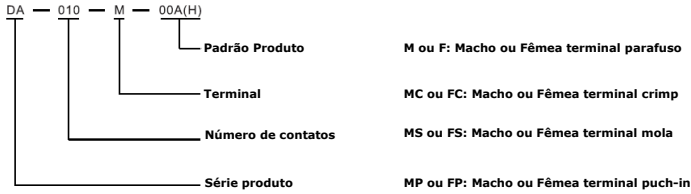


### APLICAÇÕES:

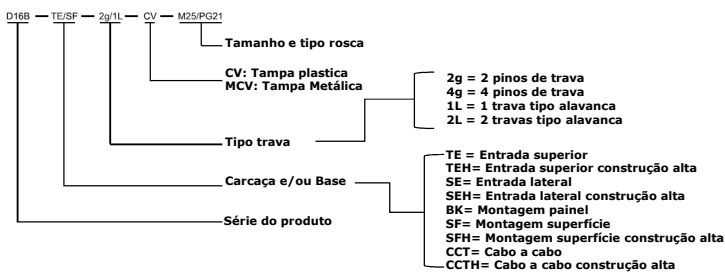
Máquinas e equipamentos que exigem robustez e segurança na proteção das conexões essenciais para o seu funcionamento.

Indicado: Fabricante de máquinas e equipamentos

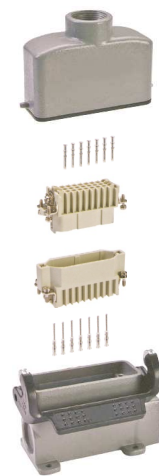
### CONFIGURAÇÃO INSERTOS



### TIPOS DE CARCACAS E BASES – MODO CONFIGURAÇÃO



Grau de proteção IP65 que seguem as normas IEC60529, DIN60529.



## CONECTORES PARA APLICAÇÃO INDUSTRIAL – RÁPIDA CONFIGURAÇÃO

### DE – Series 6 – Circuito 500V, 16A



Side-entry & bulkhead	Top-entry & bulkhead	Side-entry & bulkhead	Top-entry & bulkhead	Side-entry & bulkhead cover	Top-entry & bulkhead cover
Type: HDC-DE-006-M-0001AH	Type: HDC-DE-006-M-0002AH	Type: HDC-DE-006-M-0003AH	Type: HDC-DE-006-M-0004AH	Type: HDC-DE-006-M-0005AH	Type: HDC-DE-006-M-0006AH
Cable gland: M20,M25,PG11	Cable gland: M20,M25,PG11	Cable gland: M20,M25,PG11	Cable gland: M20,M25,PG11	Cable gland: M20,M25,PG11	Cable gland: M20,M25,PG11

**DE – Series 10 – Circuito 500V, 16A - 1 TRAVA**



Side-entry & bulkhead	Top-entry & bulkhead	Side-entry & bulkhead	Top-entry & bulkhead	Side-entry & bulkhead cover	Top-entry & bulkhead cover
Type: HDC-DE-010-M-0001AH	Type: HDC-DE-010-M-0002AH	Type: HDC-DE-010-M-0003AH	Type: HDC-DE-010-M-0004AH	Type: HDC-DE-010-M-0005AH	Type: HDC-DE-010-M-0006AH
Cable gland: M20,M25,PG11	Cable gland: M20,M25,PG16	Cable gland: M20,M25,PG16	Cable gland: M20,M25,PG16	Cable gland: M20,M25,PG16	Cable gland: M20,M25,PG16

**DE – Series 10 – Circuito 500V, 16A - 2 TRAVAS**



Side-entry & bulkhead	Top-entry & bulkhead	Side-entry & bulkhead	Top-entry & bulkhead	Side-entry & bulkhead cover	Top-entry & bulkhead cover
Type: HDC-DE-010-M-0011AH	Type: HDC-DE-010-M-0012AH	Type: HDC-DE-010-M-0013AH	Type: HDC-DE-010-M-0014AH	Type: HDC-DE-010-M-0015AH	Type: HDC-DE-010-M-0016AH
Cable gland: M20,M25,PG11	Cable gland: M20,M25,PG16	Cable gland: M20,M25,PG16	Cable gland: M20,M25,PG16	Cable gland: M20,M25,PG16	Cable gland: M20,M25,PG16

Acessórios  
TOMADAS MULTIPOLARES  
HEAVY DUTY CONNECTORS

DE – Series 16 – Circuito 500V, 16A - 1 TRAVA



Side-entry & bulkhead	Top-entry & bulkhead	Side-entry & bulkhead	Top-entry & bulkhead	Side-entry & bulkhead cover	Top-entry & bulkhead cover
Type: HDC-DE-016-M-0001AH	Type: HDC-DE-016-M-0002AH	Type: HDC-DE-016-M-0003AH	Type: HDC-DE-016-M-0004AH	Type: HDC-DE-016-M-0005AH	Type: HDC-DE-016-M-0006AH
Cable gland: M25,PG21	Cable gland: M25,PG21	Cable gland: M25,PG21	Cable gland: M25,PG21	Cable gland: M25,PG21	Cable gland: M25,PG21

DE – Series 16 – Circuito 500V, 16A - 2 TRAVAS



Side-entry & bulkhead	Top-entry & bulkhead	Side-entry & bulkhead	Top-entry & bulkhead	Side-entry & bulkhead cover	Top-entry & bulkhead cover
Type: HDC-DE-016-M-00011AH	Type: HDC-DE-016-M-00012AH	Type: HDC-DE-016-M-00013AH	Type: HDC-DE-016-M-00014AH	Type: HDC-DE-016-M-00015AH	Type: HDC-DE-016-M-00016AH
Cable gland: M25,PG21	Cable gland: M25,PG21	Cable gland: M25,PG21	Cable gland: M25,PG21	Cable gland: M25,PG21	Cable gland: M25,PG21

**DE – Series 24 – Circuito 500V, 16A - 1 TRAVA**



Side-entry & bulkhead	Top-entry & bulkhead	Side-entry & bulkhead	Top-entry & bulkhead	Side-entry & bulkhead cover	Top-entry & bulkhead cover
Type: HDC-DE-024-M-0001AH	Type: HDC-DE-024-M-0002AH	Type: HDC-DE-024-M-0003AH	Type: HDC-DE-024-M-0004AH	Type: HDC-DE-024-M-0005AH	Type: HDC-DE-024-M-0006AH
Cable gland: M25,PG21	Cable gland: M25,PG21	Cable gland: M25,PG21	Cable gland: M25,PG21	Cable gland: M25,PG21	Cable gland: M25,PG21

**DE – Series 24 – Circuito 500V, 16A - 2 TRAVAS**



Side-entry & bulkhead	Top-entry & bulkhead	Side-entry & bulkhead	Top-entry & bulkhead	Side-entry & bulkhead cover	Top-entry & bulkhead cover
Type: HDC-DE-024-M-0011AH	Type: HDC-DE-024-M-0012AH	Type: HDC-DE-024-M-0013AH	Type: HDC-DE-024-M-0014AH	Type: HDC-DE-024-M-0015AH	Type: HDC-DE-024-M-0016AH
Cable gland: M25,PG21	Cable gland: M25,PG21	Cable gland: M25,PG21	Cable gland: M25,PG21	Cable gland: M25,PG21	Cable gland: M25,PG21

Acessórios  
TOMADAS MULTIPOLARES  
HEAVY DUTY CONNECTORS

Tomadas Industriais HDC

DE – Series 32 – Circuito 500V, 16A - 1 e 2 TRAVAS



Side-entry & bulkhead	Top-entry & bulkhead	Side-entry & bulkhead	Top-entry & bulkhead	Side-entry & bulkhead	Top-entry & bulkhead
Type: HDC-DE-032-M-0001AH	Type: HDC-DE-032-M-0002AH	Type: HDC-DE-032-M-0003AH	Type: HDC-DE-032-M-0004AH	Type: HDC-DE-032-M-0005AH	Type: HDC-DE-032-M-0006AH
Cable gland: M32,PG29	Cable gland: M32,PG29	Cable gland: M32,PG29	Cable gland: M32,PG29	Cable gland: M32,PG29	Cable gland: M32,PG29

DE – Series 48 – Circuito 500V, 16A - 1 TRAVA



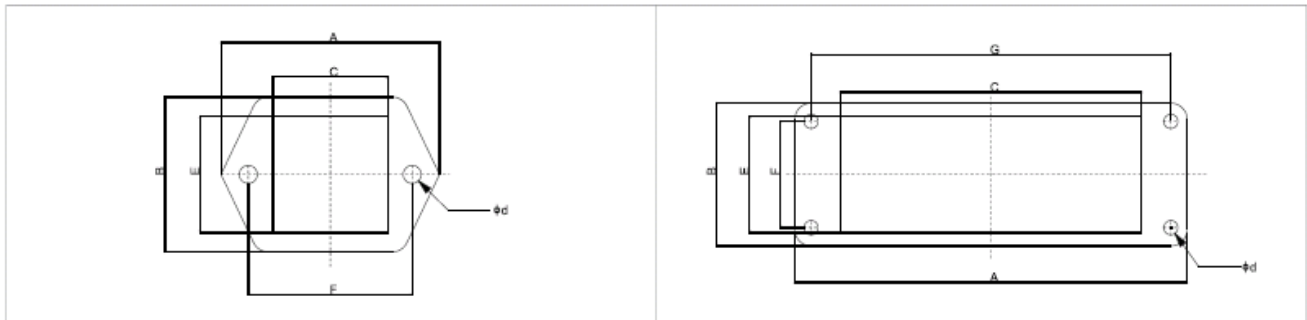
Side-entry & bulkhead	Top-entry & bulkhead	Side-entry & bulkhead	Top-entry & bulkhead
Type: HDC-DE-048-M-0001AH	Type: HDC-DE-048-M-0002AH	Type: HDC-DE-048-M-0003AH	Type: HDC-DE-048-M-0004AH
Cable gland: M32,M40,PG29	Cable gland: M32,M40,PG29	Cable gland: M32,M40,PG29	Cable gland: M32,M40,PG29

**DIMENSÕES**

CARÇAS	ENTRADA SUPERIOR						ENTRADA LATERAL							
1 Locking levers														
2 Locking levers														
Drawing(mm)														
Series	A	B	H	M	PG	Part number		A	B	H	M	PG	Part number	
						2bolts	4bolts						2bolts	4bolts
D3A	28	27	60	M20	PG11	D3A-TE-2g		28	27	54.5	M20	PG11	D3A-SE-2g	
D10A	63	29.5	47	M20	PG13.5	D10A-TE-2g		63	29.5	51.5	M20	PG13.5	D10A-SE-2g	
	63	36	67.5	M25	PG16	D10A-TEH-2g		63	36	67.5	M25	PG16	D10A-SEH-2g	
D16A	79.5	29.5	47	M20	PG13.5	D16A-TE-2g		79.5	29.5	61.5	M20	PG13.5	D16A-SE-2g	
	79.5	36	70.5	M25	PG16	D16A-TEH-2g		79.5	36	70.5	M25	PG16	D16A-SEH-2g	
D32A	82	56	79	M32	PG29		D32A-TEH-4g	82	56	60	M25	PG21		D32A-SE-4g
								82	56	79	M32	PG29		D32A-SEH-4g
D6B	60	43	40	M20	PG13.5	D6B-TE-2g		60	43	43	M20	PG13.5	D6B-SE-2g	
	60	43	72	M32	PG21	D6B-TEH-2g		60	43	72	M32	PG21	D6B-SEH-2g	
D10B	73	43	45	M25	PG16	D10B-TE-2g	D10B-TE-4g	73	43	57	M25	PG16	D10B-SE-2g	D10B-SE-4g
	73	43	72	M32	PG21	D10B-TEH-2g	D10B-TEH-4g	73	43	72	M32	PG21	D10B-SEH-2g	D10B-SEH-4g
D16B	93.5	43	45	M25	PG21	D16B-TE-2g	D16B-TE-4g	93.5	43	62.5	M25	PG21	D16B-SE-2g	D16B-SE-4g
	93.5	43	76	M32	PG29	D16B-TEH-2g	D16B-TEH-4g	93.5	43	76	M32	PG29	D16B-SEH-2g	D16B-SEH-4g
D24B	120	43	55	M32	PG21	D24B-TE-2g	D24B-TE-4g	120	43	62.5	M32	PG21	D24B-SE-2g	D24B-SE-4g
	120	43	76	M40	PG29	D24B-TEH-2g	D24B-TEH-4g	120	43	76	M40	PG29	D24B-SEH-2g	D24B-SEH-4g
D32B	94	82.5	94	M40	PG36	D32B-TE-2g	D32B-TE-4g	94	82.5	94	M40	PG36	D32B-SE-2g	D32B-SE-4g
D48B	132	90	98	M50	PG42	D48B-TE-2g		132	90	98	M50	PG42	D48B-SE-2g	

**DIMENSÕES**

BASES	MONTAGEM PAINEL					MONTAGEM SUPERFICIE										
1 Locking levers																
2 Locking levers																
Drawing(mm)																
Series	A	B	C	E	H	Part number		A	B	C	E	H	M	PG	Part number	
						1 Locking levers	2 Locking levers								1 Locking levers	2 Locking levers
D3A	28	40		28	23	D3A-BK-1L		30	40		57	27	M20	PG11	D3A-SF-1L	
	28	40		28	23	D3A-BK-1L-MCV										
D10A	70	81	17.5	29	26	D10A-BK-1L		48	75	40	50	52	M20	PG16	D10A-SF-1L	
D16A	86	96	17.5	29	26	D16A-BK-1L		64	80	40	50	57	M25	PG16	D16A-SF-1L	
D32A	92	102	42	56	28.5		D32A-BK-2L	94	106	46	57	82	M32	PG21		D32A-SF-2L
D6B	70	80	32	43.5	28.5	D6B-BK-1L		70	82	40	52	57	M25	PG16	D6B-SF-1L	
								70	82	45	57	74	M32	PG21	D6B-SFH-1L	
D10B	83	93	32	43.5	28.5	D10B-BK-1L		82	94	40	52	54	M25	PG16	D10B-SF-1L	D10B-SF-2L
	83	93	32	43.5	28.5		D10B-BK-2L	82	94	45	57	81	M32	PG21	D10B-SFH-1L	D10B-SFH-2L
D16B	103	113	32	43.5	28.5	D16B-BK-1L		105	117	45	57	56	M25	PG21	D16B-SF-1L	D16B-SF-2L
	103	113	32	43.5	28.5		D16B-BK-2L	105	117	45	57	81	M32	PG29	D16B-SFH-1L	D16B-SFH-2L
D24B	130	140	32	43.5	28.5	D24B-BK-1L		132	144	45	57	56	M25	PG21	D24B-SF-1L	D24B-SF-2L
	130	140	32	43.5	28.5		D24B-BK-2L	132	144	45	57	81	M25	PG21	D24B-SFH-1L	D24B-SFH-2L
D32B	110	124	65	90	33	D32B-BK-1L		112	125	67	87	90	M40	PG36	D32B-SF-1L	D32B-SF-2L
	110	124	65	90	33		D32B-BK-2L									
D48B	148	165	70	96	40	D48B-BK-1L		111	141	106	120	99	M40	PG36	D48B-SF-1L	

**DIMENSÕES BASE**


BASE	TIPO MONTAGEM	DIMENSÕES (mm)						
D3A	Bulkhead	40	28	21	21	30	-	3.3
	Surface	40	28	-	-	30	-	3.3
D10A	Bulkhead	81	29.5	57.5	24	17.5	70	3.6
	Surface	80	50	-	-	40	48	4.5
D16A	Bulkhead	96	29.5	73.7	24	17.5	86	3.6
	Surface	96	50	-	-	40	64	4.5
D32A	Bulkhead	102	56	74.2	48.4	42	92	4.3
	Surface	106	57	-	-	46	94	5.5
D6B	Bulkhead	80	43	52.2	35	32	70	4.3
	Surface	82	52	-	-	40	70	5.5
D10B	Bulkhead	93	43	65.2	35	32	83	4.3
	Surface	94	52	-	-	40	82	5.5
D16B	Bulkhead	113	43	85.5	35	32	103	4.3
	Surface	117	57	-	-	45	105	5.5
D24B	Bulkhead	140	43	112.2	35	32	130	4.3
	Surface	144	57	-	-	45	132	5.5
D32B	Bulkhead	124	79	85.5	71	65	110	5.5
	Surface	124.5	81	-	-	67	112	5.5
D48B	Bulkhead	165	90	124	82	70	148	7
	Surface	132	120	-	-	106	111	6.5

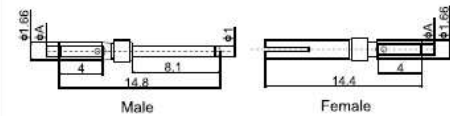


## Acessórios TOMADAS MULTIPOLARES HEAVY DUTY CONNECTORS

### CONTATOS CRIMP

#### (5A) Crimp contacts

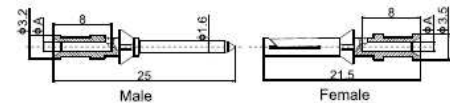
Material: Copper alloy  
Contact resistance  $\leq 3m\Omega$   
Matching: DM inserts  
Surface: Gold/silver plated  
Terminal: Crimp connection



Contacts, silver-plated		Contacts, gold plated		$(\phi A)$	Wire gauge		Recommended stripping length
Male Contacts	Female Contacts	Male Contacts	Female Contacts		(mm <sup>2</sup> )	(AWG)	
5A-SM-0.25	5A-SF-0.25	5A-GM-0.25	5A-GF-0.25	0.64	0.09-0.25	28-24	5mm
5A-SM-0.33	5A-SF-0.33	5A-GM-0.33	5A-GF-0.33	0.9	0.25-0.33	24-22	5mm
5A-SM-0.52	5A-SF-0.52	5A-GM-0.52	5A-GF-0.52	1.12	0.33-0.52	22-20	5mm

#### (10A) Crimp contacts

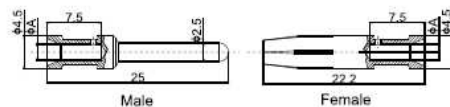
Material: Copper alloy  
Contact resistance  $\leq 3m\Omega$   
Matching: DD,DDD,DM,DK,DQ inserts  
Surface: Gold/silver plated  
Terminal: Crimp connection



Contacts, silver-plated		Contacts, gold plated		$(\phi A)$	Wire gauge		Recommended stripping length
Male Contacts	Female Contacts	Male Contacts	Female Contacts		(mm <sup>2</sup> )	(AWG)	
10A-SM-0.37	10A-SF-0.37	10A-GM-0.37	10A-GF-0.37	0.9	0.14-0.37	26-22	8mm
10A-SM-0.5	10A-SF-0.5	10A-GM-0.5	10A-GF-0.5	1.1	0.50	20	8mm
10A-SM-0.75	10A-SF-0.75	10A-GM-0.75	10A-GF-0.75	1.3	0.75	18	8mm
10A-SM-1.0	10A-SF-1.0	10A-GM-1.0	10A-GF-1.0	1.45	1.00	18	8mm
10A-SM-1.5	10A-SF-1.5	10A-GM-1.5	10A-GF-1.5	1.75	1.50	16	8mm
10A-SM-2.5	10A-SF-2.5	10A-GM-2.5	10A-GF-2.5	2.25	2.50	14	6mm

#### (16A) Crimp contacts

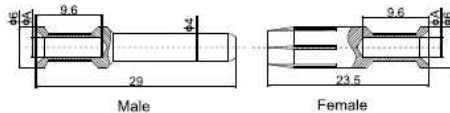
Material: Copper alloy  
Contact resistance  $\leq 1m\Omega$   
Matching: DA,DE,DEE,DM,DK inserts  
Surface: Gold/silver plated  
Terminal: Crimp connection



Contacts, silver-plated		Contacts, gold plated		$(\phi A)$	Wire gauge		Recommended stripping length
Male Contacts	Female Contacts	Male Contacts	Female Contacts		(mm <sup>2</sup> )	(AWG)	
16A-SM-0.37	16A-SF-0.37	16A-GM-0.37	16A-GF-0.37	0.9	0.14-0.37	26-22	7.5mm
16A-SM-0.5	16A-SF-0.5	16A-GM-0.5	16A-GF-0.5	1.1	0.50	20	7.5mm
16A-SM-0.75	16A-SF-0.75	16A-GM-0.75	16A-GF-0.75	1.3	0.75	18	7.5mm
16A-SM-1.0	16A-SF-1.0	16A-GM-1.0	16A-GF-1.0	1.45	1.00	18	7.5mm
16A-SM-1.5	16A-SF-1.5	16A-GM-1.5	16A-GF-1.5	1.75	1.50	16	7.5mm
16A-SM-2.5	16A-SF-2.5	16A-GM-2.5	16A-GF-2.5	2.25	2.50	14	7.5mm
16A-SM-4.0	16A-SF-4.0	16A-GM-4.0	16A-GF-4.0	2.85	4.00	12	7.5mm

#### (40A) Crimp contacts

Material: Copper alloy  
Contact resistance  $\leq 0.3m\Omega$   
Matching: DM,DK inserts  
Surface: Gold/silver plated  
Terminal: Crimp connection



Contacts, silver-plated		Contacts, gold plated		$(\phi A)$	Wire gauge		Recommended stripping length
Male Contacts	Female Contacts	Male Contacts	Female Contacts		(mm <sup>2</sup> )	(AWG)	
40A-SM-1.5	40A-SF-1.5	40A-GM-1.5	40A-GF-1.5	1.75	1.50	16	9.0mm
40A-SM-2.5	40A-SF-2.5	40A-GM-2.5	40A-GF-2.5	2.25	2.50	14	9.0mm
40A-SM-4.0	40A-SF-4.0	40A-GM-4.0	40A-GF-4.0	2.85	4.0	12	9.5mm
40A-SM-6.0	40A-SF-6.0	40A-GM-6.0	40A-GF-6.0	3.50	6.0	10	9.5mm