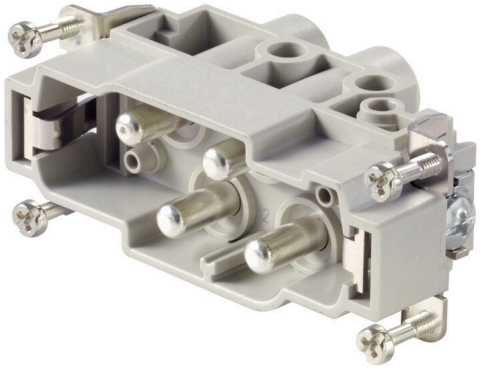
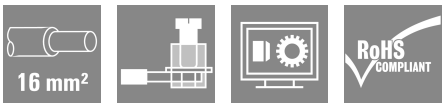
Data sheet

HDC S4/0 MS

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com





The MixMate series of connectors can simultaneously transmit high rated currents and voltages as well as signals.
The wire connection level is designed for screw connections.
Screw connection.

General ordering data

Version	HDC insert, Male, 830 V, 80 A, Number of poles: 4, Screw connection, Installation size: 6
Order No.	1023220000
Type	HDC S4/0 MS
GTIN (EAN)	4032248739295
Qty.	1 items

Downloaded from Arrow.com.

Data sheet

HDC S4/0 MS

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Technical data

Approvals

Approvals	
ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E310075

Dimensions and weights

Depth	84.5 mm	Depth (inches)	3.3268 inch
Height	42 mm	Height (inches)	1.6535 inch
Width	34 mm	Width (inches)	1.3386 inch
Net weight	109 g		

Temperatures

Limit temperature	-40 °C ... 125 °C

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption	
RoHS Exemption (if applicable/known)	6c	
REACH SVHC	Lead 7439-92-1, Potassium perfluorobutane sulfonate 29420-49-3	
SCIP	b67daa31-7dca-434d-8290-da7fb52f83a2	
Chemical resistance	Substance	Acetone
	Chemical resistance	Resistant
	Substance	Ammonia, watery
	Chemical resistance	Conditionally resistant
	Substance	Petrol
	Chemical resistance	Resistant
	Substance	Benzene
	Chemical resistance	Resistant
	Substance	Diesel oil
	Chemical resistance	Conditionally resistant
	Substance	Acetic acid, concentrated
	Chemical resistance	Resistant
	Substance	Potassium hydroxide
	Chemical resistance	Conditionally resistant
	Substance	Methanol
	Chemical resistance	Conditionally resistant
	Substance	Motor oil
	Chemical resistance	Conditionally resistant
	Substance	Lye, diluted
	Chemical resistance	Resistant
	Substance	Hydrochlorofluorocarbons
	Chemical resistance	Conditionally resistant
	Substance	Outdoor use
	Chemical resistance	Conditionally resistant

Dimensions

Width	34 mm	Total length base	84.5 mm
Height of plug	42 mm		

Downloaded from Arrow.com.

Data sheet

HDC S4/0 MS

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Technical data

General data

Number of poles	4	Plugging cycles, silver	≥ 500
Plugging cycles, gold	≥ 500	Type of connection	Screw connection
Installation size	6	UL 94 flammability rating	V-0
Volume resistance	≤1 mΩ	Colour	beige
Insulation resistance	1010 Ω	Insulating material	PC glass-fibre reinforced (UL-listed and railway-certified)
Insulating material group	IIIa	Conductor cross-section	16 mm²
Surface finish	Silver passivated	Max. torque for main contact	3 Nm
Type	Male	Pollution severity	3
Basic material	Copper alloy	Min. torque for main contact	1.5 Nm
Series	MixMate	Rated voltage (DIN EN 61984)	830 V
Rated voltage according to UL/CSA	600 V AC/DC	Rated impulse voltage (DIN EN 61984)	8 kV
Rated current (DIN EN 61984)	80 A	Free from halogens	true
Low smoke acc. DIN EN 45545-2	Yes	BG	6
Number of power contacts	4		

Connection data PE

Connection type PE	Screw connection	Blade size, slotted (PE connection)	SD 1.2 x 6.5
Stripping length PE connection	13 mm	Tightening torque, max. PE connection	2.5 Nm
Tightening torque, min. PE connection	2 Nm	Fixing screw	M 5
Rated cross-section	16 mm²	Wire cross section, AWG (PE), min.	AWG 20
Wire cross section, AWG (PE), max.	AWG 6		

Power contact

Type of connection, power contact	Screw connection	
Number of poles, performance contact	4	
Stripping length, performance contact	15 mm	
Clamping range, power contact, max.	16 mm²	
Clamping range, power contact, min.	1.5 mm²	
Rated voltage (DIN EN 61984), power contact	830 V	
Rated impulse voltage (DIN EN 61984), power contact	8 kV	
Rated current (DIN EN 61984), power contact	80 A	
Rated current power circuit (UR)	Wire connection cross section AWG	AWG 14
	Rated current	30 A
	Wire connection cross section AWG	AWG 12
	Rated current	35 A
	Wire connection cross section AWG	AWG 10
	Rated current	50 A
	Wire connection cross section AWG	AWG 8
	Rated current	70 A
	Wire connection cross section AWG	AWG 6
	Rated current	80 A
Rated current signal circuit (UR)	Wire connection cross section AWG	AWG 14
	Rated current	16 A
Rated current signal circuit (cUR)	Wire connection cross section AWG	AWG 14
	Rated current	12 A
Rated current power circuit (cUR)	Wire connection cross section AWG	AWG 14
	Rated current	15 A
	Wire connection cross section AWG	AWG 12
	Rated current	25 A

Downloaded from Arrow.com.

Weidmüller

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Technical data

	Wire connection cross section AWG	AWG 10
	Rated current	29 A
	Wire connection cross section AWG	AWG 8
	Rated current	33 A
	Wire connection cross section AWG	AWG 6
	Rated current	35 A

Signal contact

Rated current power circuit (UR)	Wire connection cross section AWG	AWG 14
	Rated current	30 A
	Wire connection cross section AWG	AWG 12
	Rated current	35 A
	Wire connection cross section AWG	AWG 10
	Rated current	50 A
	Wire connection cross section AWG	AWG 8
	Rated current	70 A
	Wire connection cross section AWG	AWG 6
	Rated current	80 A
Rated current signal circuit (UR)	Wire connection cross section AWG	AWG 14
	Rated current	16 A
Rated current signal circuit (cUR)	Wire connection cross section AWG	AWG 14
	Rated current	12 A
Rated current power circuit (cUR)	Wire connection cross section AWG	AWG 14
	Rated current	15 A
	Wire connection cross section AWG	AWG 12
	Rated current	25 A
	Wire connection cross section AWG	AWG 10
	Rated current	29 A
	Wire connection cross section AWG	AWG 8
	Rated current	33 A
	Wire connection cross section AWG	AWG 6
	Rated current	35 A

Version

Blade size, slotted (screw connection)	1.0 x 5.5 mm	Wire connection cross section AWG, max.	AWG 6
Stripping length, rated connection	15 mm	Type of connection	Screw connection
Installation size	6	Volume resistance	≤1 mΩ
Clamping screw	M 6	Wire connection cross section AWG, min.	AWG 16
Wire cross-section, solid, max.	16 mm²	Wire cross-section, solid, min.	0.5 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	16 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm²
Wire connection cross section, finely stranded, max.	16 mm²	Wire connection cross section, finely stranded, min.	0.5 mm²
Conductor cross-section, max.	16 mm²	Conductor cross-section, min.	1.5 mm²
Surface finish	Silver passivated	Max. torque for main contact	3 Nm
Basic material	Copper alloy	Min. torque for main contact	1.5 Nm
BG	6		

Classifications

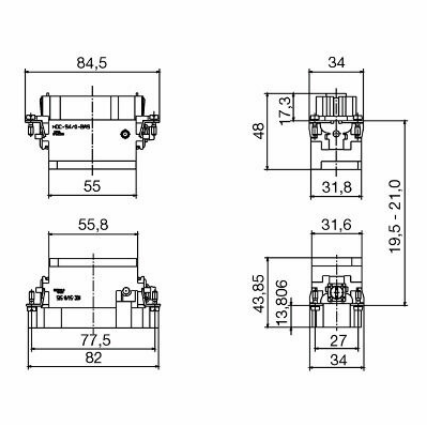
ETIM 8.0	EC000438	ETIM 9.0	EC000438
ETIM 10.0	EC000438	ECLASS 14.0	27-44-02-05
ECLASS 15.0	27-44-02-05		

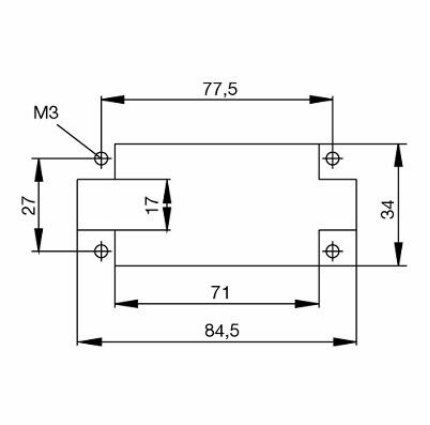
Downloaded from Arrow.com.

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Drawings





Downloaded from Arrow.com.

Weidmüller

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Accessories

Slotted screwdriver



VDE insulated slot-head screwdriver, SDI DIN 7437, ISO 2380/2, drive output acc. to DIN 5264, ISO 2380/1. SoftFinish grip

General ordering data

Type	SDIS 0.8X4.0X100	Version
Order No.	9008400000	Screwdriver, Screwdriver
GTIN (EAN)	4032248056361	
Qty.	1 ST	
Type	SDS 0.8X4.0X100	Version
Order No.	9008340000	Screwdriver, Screwdriver
GTIN (EAN)	4032248056293	
Qty.	1 ST	
Type	SDIS 0.6X3.5X100	Version
Order No.	9008390000	Screwdriver, Screwdriver
GTIN (EAN)	4032248056354	
Qty.	1 ST	
Type	SDS 0.6X3.5X100	Version
Order No.	9008330000	Screwdriver, Screwdriver
GTIN (EAN)	4032248056286	
Qty.	1 ST	

Downloaded from Arrow.com.