



**THE DATASHEET OF**  
**1419616**



## Bus system T-connector - SAC-4P-M12T/2XM12 FF VA - 1431416

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Bus system T connector, 4-pos., FOUNDATION Fieldbus™, M12 socket on M12 socket and M12 plug, high-grade steel knurl



### Key commercial data

Packing unit	1 1
Weight per Piece (excluding packing)	25.4 GRM
Custom tariff number	85366990
Country of origin	Germany

### Technical data

#### Ambient conditions

Ambient temperature (operation)	-25 °C ... 90 °C (Plug / socket)
Degree of protection	IP65
	IP67
	IP68
	IP69K

#### General

Rated current at 40°C	4 A
Rated voltage	60 V
Number of positions	4
Contact resistance	≤ 5 mΩ
Insulation resistance	≥ 100 MΩ
Signal type/category	FOUNDATION Fieldbus
Status display	No

## Bus system T-connector - SAC-4P-M12T/2XM12 FF VA - 1431416

### Technical data

#### General

Surge voltage category	II
Pollution degree	3
Insertion/withdrawal cycles	≥ 100

#### Material

Inflammability class according to UL 94	HB
Contact material	CuZn
Contact surface material	Ni/Au
Contact carrier material	TPU GF
Material of grip body	TPU, hardly inflammable, self-extinguishing
Material, knurls	High-grade steel
Sealing material	NBR

### Classifications

#### eCl@ss

eCl@ss 4.0	27060306
eCl@ss 4.1	27060306
eCl@ss 5.0	27061801
eCl@ss 5.1	27061801
eCl@ss 6.0	27061801
eCl@ss 7.0	27061801
eCl@ss 8.0	27061801

#### ETIM

ETIM 3.0	EC001855
ETIM 4.0	EC001855
ETIM 5.0	EC001855

#### UNSPSC

UNSPSC 6.01	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	31251501

### Approvals

#### Approvals

# Bus system T-connector - SAC-4P-M12T/2XM12 FF VA - 1431416

## Approvals

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Approvals

UL Listed / cUL Listed / GOST / cULus Listed

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Ex Approvals

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Approvals submitted

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## Approval details

UL Listed	
Nominal current IN	4 A
Nominal voltage UN	250 V

cUL Listed	
Nominal current IN	4 A
Nominal voltage UN	250 V

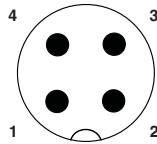
GOST	
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cULus Listed	
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## Drawings

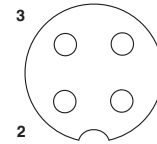
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Schematic diagram



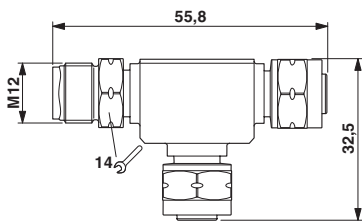
Pin assignment M12 plug, 4-pos., A-coded, view plug side

Schematic diagram



Pin assignment M12 socket, 4-pos., A-coded, view female side

Dimensioned drawing



M12 T-distributor

Circuit diagram



Contact assignment of the M12 T distributor

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