

## M12 female recept. D-cod. shielded rear

TPE 2x2x24AWG SF/UTP CAT5e bu UL/CSA. CM 1m

Art.No.: 7700-14511-S4U0100

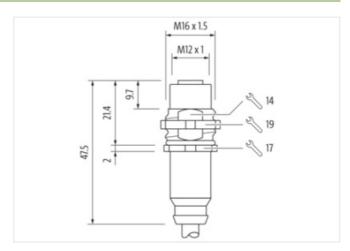
Weight: 0.079 Country of origin: DE

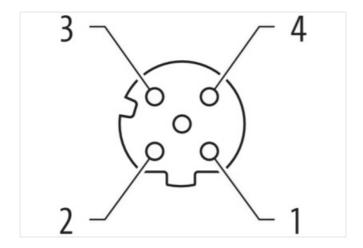
Model designation: MSDBFH-TS4U\_1.0-ZE

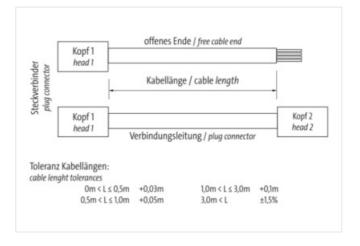
## **Link to Product**

## Illustration



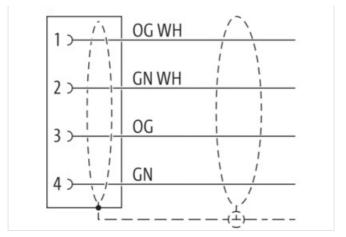


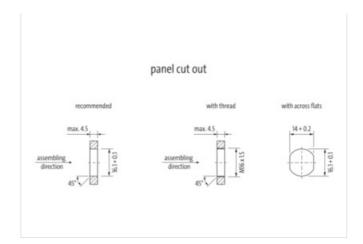






stay connected





Product may differ from Image













1

According   D   D	Side 1		
According   D   D	Family construction form	M12	
Inserted	No. of poles	4	
Thread         M12 x 1           Width across flats         SW14           Degree of protection (EN IEC 60529)         IP67           IP67           Side 2           Tamily construction form         free cable end           Emily construction form         free cable end           Commercial data           URL Webshop         https://shop.murrelektronik.com/7700-14511-S4U0100           STIN         4048879599986           CELASS-6.0         27279220           CELASS-6.1         27279220           CELASS-7.0         27440103           CELASS-7.1         27440103           CELASS-8.0         27440103           CELASS-9.0         27440103           CELASS-9.0.1         27440109           CELASS-10.1         27440109           CELASS-10.1         27440103           CELASS-11.1         27440109           CELASS-11.1         27440109           CELASS-12.0         27440109           CELASS-14.0         27440109           CELASS-14.0         27440109	Coding	D	
Virtin across flats         SW14           Degree of protection (EN IEC 60529)         IP67           Side 2         Framily construction form           Commercial data         Framily construction form           Framily construction form         Framily construction form           Framily construction form         Framily construction form <th c<="" td=""><td>Mounting method</td><td>inserted, screwed</td></th>	<td>Mounting method</td> <td>inserted, screwed</td>	Mounting method	inserted, screwed
Degree of protection (EN IEC 80529)         IP67           Side 2         Family construction form         free cable end           Bringing length (jacket)         20 mm           Commercial data           JRL Webshop         https://shop.murrelektronik.com/7700-14511-S4U0100           STIN         4048879599996           CCLASS-6.0         27279220           CCLASS-6.1         27279220           CCLASS-7.0         27440103           CCLASS-7.1         27440103           CCLASS-8.0         27440103           CCLASS-9.0         27440103           CCLASS-9.1         27440109           CCLASS-10.0.1         27440103           CCLASS-11.0         27440103           CCLASS-11.1         27440103           CCLASS-12.0         27440103           CCLASS-13.0         27440109           CCLASS-14.0         27440109           CCLASS-14.0         27440109           CCLASS-14.0         27440109           CCLASS-14.0         27440109           CCLASS-14.0         27440109	Thread	M12 x 1	
Side 2           Family construction form         free cable end           Stripping length (jacket)         20 mm           Commercial data           JFIL Webshop         https://shop.murrelektronik.com/7700-14511-S4U0100           STIN         4048879599986           CCLASS-6.0         27279220           CCLASS-6.1         27279220           CCLASS-7.0         27440103           CCLASS-7.1         27440103           CCLASS-8.0         27440103           CCLASS-8.1         27440103           CCLASS-9.0         27440109           CCLASS-10.0.1         27440109           CCLASS-10.1         27440109           CCLASS-11.0         27440103           CCLASS-11.1         27440103           CCLASS-13.0         27440109           CCLASS-13.0         27440109           CCLASS-13.0         27440109           CCLASS-14.0         27440109 <th< td=""><td>Width across flats</td><td>SW14</td></th<>	Width across flats	SW14	
ramily construction form free cable end fitripping length (jacket) 20 mm  Commercial data  JRL Webshop https://shop.murrelektronik.com/7700-14511-S4U0100  STIN 4048879599986  ECLASS-6.0 27279220  ECLASS-6.1 27279220  ECLASS-7.0 27440103  ECLASS-7.1 27440103  ECLASS-8.0 27440103  ECLASS-8.1 27440103  ECLASS-9.0 27440103  ECLASS-9.1 27440109  ECLASS-10.1 27440109  ECLASS-11.0 27440103  ECLASS-11.1 27440103  ECLASS-11.0 27440103  ECLASS-11.0 27440103  ECLASS-11.0 27440103  ECLASS-11.0 27440109  ECLASS-11.1 27440109  ECLASS-11.1 27440109  ECLASS-12.0 27440103  ECLASS-13.0 27440109  ECLASS-14.0 27440109  ECLASS-15.1 27440109  ECLASS-15.1 27440109  ECLASS-16.1 27440109  ECLASS-17.0 27440109  ECLASS-18.0 27440109  ECLASS-19.0 27440109  ECLASS-19.0 27440109  ECLASS-19.0 ECO02599  ETIM-6.0 ECO02599  ETIM-6.0 ECO02599  ETIM-7.0 ECO02599	Degree of protection (EN IEC 60529)	IP67	
Stripping length (jacket)         20 mm           Commercial data         JRL Webshop         https://shop.murrelektronik.com/7700-14511-S4U0100           STIN         4048879599986           CCLASS-6.0         27279220           CCLASS-6.1         27279220           CCLASS-7.0         27440103           CCLASS-7.1         27440103           CCLASS-8.0         27440103           CCLASS-8.1         27440103           CCLASS-9.0         27440103           CCLASS-9.1         27440109           CCLASS-10.1         27440109           CCLASS-11.0         27440109           CCLASS-11.1         27440103           CCLASS-11.1         27440103           CCLASS-13.0         27440109           CCLASS-14.0         27440109           CCLASS-15.0         27440109           CCLASS-16.0	Side 2		
Commercial data           JRL Webshop         https://shop.murrelektronik.com/7700-14511-S4U0100           STIN         4048879599986           CCLASS-6.0         27279220           CCLASS-6.1         27279220           CCLASS-7.0         27440103           CCLASS-7.1         27440103           CCLASS-8.0         27440103           CCLASS-8.1         27440103           CCLASS-9.0         27440103           CCLASS-9.1         27440109           CCLASS-10.0.1         27440109           CCLASS-10.1         27440103           CCLASS-11.0         27440103           CCLASS-11.0         27440103           CCLASS-12.0         27440103           CCLASS-12.0         27440109           CCLASS-13.0         27440109           CCLASS-14.0         27440109           CCLASS-14.0         27440109           CCLASS-14.0         27440109           CCLASS-14.0         27440109           CCLASS-14.0         27440109           CCLASS-17.0         27440109           CCLASS-17.0         27440109           CCLASS-17.0         27440109           CCLASS-17.0         27440109           CCLASS-17.0 </td <td>Family construction form</td> <td>free cable end</td>	Family construction form	free cable end	
HIL Webshop https://shop.murrelektronik.com/7700-14511-S4U0100  ETIN 4048879599986  ECLASS-6.0 27279220  ECLASS-6.1 27279220  ECLASS-7.0 27440103  ECLASS-7.1 27440103  ECLASS-8.0 27440103  ECLASS-8.1 27440103  ECLASS-8.1 27440103  ECLASS-9.0 27440103  ECLASS-9.0 27440109  ECLASS-9.1 27440109  ECLASS-10.1 27440109  ECLASS-10.1 27440109  ECLASS-11.0 27440109  ECLASS-11.1 27440109  ECLASS-11.0 EC002599  ETIM-6.0 EC002599  ETIM-6.0 EC002599	Stripping length (jacket)	20 mm	
AURIN 404887959986  CCLASS-6.0 27279220  CCLASS-7.0 27440103  CCLASS-7.1 27440103  CCLASS-8.0 27440103  CCLASS-8.1 27440103  CCLASS-8.1 27440103  CCLASS-9.0 27440103  CCLASS-9.1 27440109  CCLASS-11.1 27440109  CCLASS-11.0 27440109  CCLASS-11.	Commercial data		
ECLASS-6.0 27279220 ECLASS-7.0 27440103 ECLASS-7.1 27440103 ECLASS-8.0 27440103 ECLASS-8.1 27440103 ECLASS-9.0 27440103 ECLASS-9.1 27440109 ECLASS-10.1 27440109 ECLASS-11.1 27440103 ECLASS-10.1 27440103 ECLASS-10.1 27440109 ECLASS-11.0 ECLASS-11.0 EC002599 ETIM-5.0 EC002599 ETIM-6.0 EC002599	URL Webshop	https://shop.murrelektronik.com/7700-14511-S4U0100	
ECLASS-6.1 27279220 ECLASS-7.0 27440103 ECLASS-7.1 27440103 ECLASS-8.0 27440103 ECLASS-8.1 27440103 ECLASS-9.0 27440103 ECLASS-9.0 27440109 ECLASS-10.0.1 27440109 ECLASS-10.1 27440109 ECLASS-11.0 27440109 ECLASS-11.1 27440109 ECLASS-11.1 27440109 ECLASS-11.1 27440103 ECLASS-11.1 27440103 ECLASS-11.1 27440103 ECLASS-12.0 27440109 ECLASS-13.0 27440109 ECLASS-14.0 27440109 ECLASS-14.0 27440109 ECLASS-14.0 EC002599 ETIM-5.0 EC002599 ETIM-7.0 EC002599	GTIN	4048879599986	
ECLASS-7.0 27440103 ECLASS-8.0 27440103 ECLASS-8.1 27440103 ECLASS-9.0 27440103 ECLASS-9.1 27440109 ECLASS-10.1 27440109 ECLASS-11.1 27440109 ECLASS-11.1 27440109 ECLASS-11.1 27440109 ECLASS-11.1 27440109 ECLASS-11.1 27440109 ECLASS-11.1 27440103 ECLASS-11.1 27440103 ECLASS-11.1 27440103 ECLASS-11.1 27440103 ECLASS-11.1 27440109 ECLASS-11.0 27440109 ECLASS-11.0 27440109 ECLASS-11.0 27440109 ECLASS-11.0 27440109 ECLASS-11.0 27440109 ECLASS-11.0 EC002599 ETIM-5.0 EC002599 ETIM-6.0 EC002599	ECLASS-6.0	27279220	
ECLASS-7.1 27440103 ECLASS-8.0 27440103 ECLASS-9.0 27440103 ECLASS-9.0 27440109 ECLASS-10.0.1 27440109 ECLASS-10.1 27440109 ECLASS-11.0 27440109 ECLASS-11.1 27440109 ECLASS-11.1 27440109 ECLASS-11.1 27440109 ECLASS-11.1 27440103 ECLASS-11.1 27440103 ECLASS-11.1 27440103 ECLASS-11.1 27440109 ECLASS-11.0 27440109 ECLASS-11.0 27440109 ECLASS-11.0 27440109 ECLASS-11.0 27440109 ECLASS-11.0 ECUASS-11.0 EC002599 ETIM-5.0 EC002599 ETIM-6.0 EC002599	ECLASS-6.1	27279220	
ECLASS-8.0 27440103 ECLASS-9.0 27440103 ECLASS-9.1 27440109 ECLASS-10.0.1 27440109 ECLASS-10.1 27440109 ECLASS-11.0 27440109 ECLASS-11.0 27440103 ECLASS-11.0 27440103 ECLASS-11.1 27440103 ECLASS-11.1 27440103 ECLASS-11.1 27440103 ECLASS-11.0 27440103 ECLASS-11.0 27440109 ECLASS-10.0 27440109 ECLASS-10.0 27440109 ECLASS-10.0 27440109 ECLASS-10.0 ECLASS-10.0 EC002599 ETIM-5.0 EC002599 ETIM-6.0 EC002599	ECLASS-7.0	27440103	
ECLASS-8.1 27440103 ECLASS-9.0 27440109 ECLASS-10.0.1 27440109 ECLASS-11.0 27440109 ECLASS-11.1 27440109 ECLASS-11.1 27440109 ECLASS-11.1 27440103 ECLASS-11.1 27440103 ECLASS-12.0 27440103 ECLASS-13.0 27440109 ECLASS-14.0 27440109 ECLASS-14.0 27440109 ECLASS-14.0 27440109 ECLASS-14.0 27440109 ECLASS-14.0 EC002599 ETIM-5.0 EC002599 ETIM-7.0 EC002599	ECLASS-7.1	27440103	
ECLASS-9.0 27440109 ECLASS-10.0.1 27440109 ECLASS-10.1 27440103 ECLASS-11.0 27440109 ECLASS-11.1 27440103 ECLASS-11.1 27440103 ECLASS-12.0 27440103 ECLASS-13.0 27440109 ECLASS-14.0 27440109 ECLASS-14.0 ECO02599 ETIM-5.0 ECO02599 ETIM-7.0 ECO02599	ECLASS-8.0	27440103	
ECLASS-9.1 27440109 ECLASS-10.0.1 27440103 ECLASS-11.0 27440103 ECLASS-11.1 27440103 ECLASS-11.1 27440103 ECLASS-12.0 27440103 ECLASS-13.0 27440109 ECLASS-14.0 27440109 ETIM-5.0 EC002599 ETIM-6.0 EC002599 ETIM-7.0 EC002599	ECLASS-8.1	27440103	
ECLASS-10.0.1 27440109 ECLASS-11.0 27440109 ECLASS-11.1 27440103 ECLASS-11.1 27440103 ECLASS-12.0 27440109 ECLASS-13.0 27440109 ECLASS-14.0 27440109 ETIM-5.0 EC002599 ETIM-6.0 EC002599 ETIM-7.0 EC002599	ECLASS-9.0	27440103	
ECLASS-10.1 27440103 ECLASS-11.0 27440109 ECLASS-11.1 27440103 ECLASS-12.0 27440109 ECLASS-13.0 27440109 ECLASS-14.0 27440109 ETIM-5.0 EC002599 ETIM-6.0 EC002599 ETIM-7.0 EC002599	ECLASS-9.1	27440109	
ECLASS-11.0 27440109 ECLASS-11.1 27440103 ECLASS-12.0 27440103 ECLASS-13.0 27440109 ECLASS-14.0 27440109 ETIM-5.0 EC002599 ETIM-6.0 EC002599 ETIM-7.0 EC002599	ECLASS-10.0.1	27440109	
ECLASS-11.1 27440103 ECLASS-12.0 27440103 ECLASS-13.0 27440109 ECLASS-14.0 27440109 ETIM-5.0 EC002599 ETIM-6.0 EC002599 ETIM-7.0 EC002599	ECLASS-10.1	27440103	
ECLASS-12.0 27440103 ECLASS-13.0 27440109 ECLASS-14.0 27440109 ETIM-5.0 EC002599 ETIM-6.0 EC002599 ETIM-7.0 EC002599	ECLASS-11.0	27440109	
ECLASS-13.0 27440109 ECLASS-14.0 27440109 ETIM-5.0 EC002599 ETIM-6.0 EC002599 ETIM-7.0 EC002599	ECLASS-11.1	27440103	
ECLASS-14.0 27440109 ETIM-5.0 EC002599 ETIM-6.0 EC002599 ETIM-7.0 EC002599	ECLASS-12.0	27440103	
ETIM-5.0 EC002599 ETIM-6.0 EC002599 ETIM-7.0 EC002599	ECLASS-13.0	27440109	
ETIM-6.0 EC002599 ETIM-7.0 EC002599	ECLASS-14.0	27440109	
ETIM-7.0 EC002599	ETIM-5.0	EC002599	
	ETIM-6.0	EC002599	
TIM-8.0 EC002599	ETIM-7.0	EC002599	
	ETIM-8.0	EC002599	

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2025-07-07



stay connected

EAN	4048879599986
Electrical data   Supply	
Operating voltage DC max.	60 V
Current operating per contact max.	1.5 A
Industrial communication	
Data transmission rate max.	100 MBit/s
Transfer parameters	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)
Industrial communication   Ethernet fun	ctionality
duplex	Full duplex
Device protection   Electrical	. G. Gopton
•	
Protection NEMA	6P, 4, 3
Additional condition protection degree	inserted, screwed
Pollution Degree	3 1.5 kV
Rated surge voltage  Material group (IEC 60664-1)	1.5 KV
,	'
Environmental characteristics   Climatic	
Operating temperature min.	-30 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
Note on bending radius	<b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Installation   Cable	
Cable identification	S4U
Function cable	Data
Amount stranding	2
Stranding	Wires
Amount stranding (type 2)	1
Stranding (type 2)	Stranded joints
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	75 %
Banding	Foil
Wire arrangement	(, orange-white, orange, ), green-white, green
Cable weigth	55.66 g/m
Material wire insulation	HDPE
Amount wires	4
Outer diameter insulation	1.22 mm
Outer diameter tolerance core insulation	± 0.05 mm
Ingredient freeness wire insulation	CFC-free, lead-free
Amount strands (wire)	7
Diameter of single wires	24 AWG
Conductor crosssection (wire)	24 AWG
Material conductor wire	copper stranded wire, tinned
Outer-diameter (jacket)	6.6 mm
Tolerance outer diameter (sheath)	± 5 %
Material jacket	TPE
Freedom from ingredients (jacket)	CFC-free, lead-free
Cable length max.	83 m
Electrical resistance line constant wire	76.4 Ω/km @ 20 °C
Nominal voltage AC max.	600 V
Loop resistance	280 Ω/km



AC withstand voltage (wire - wire)	1.5 kV @ 2 s
Power frequency withstand voltage (wire - jacket)	1.5 kV @ 2 s
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	2.4 A
Characteristic impedance	100 Ω
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-40 °C
Operating temperature max. (dynamic)	80 °C
Storage temperature min.	-40 °C
Storage temperature max.	80 °C
Bending radius (fixed)	8 × Outer diameter
Bending radius (dynamic)	8 × Outer diameter
No. of bending cycles (C-track)	35 Mio.
Traversing distance (C-track)	0.6 m
Travel speed (C-track)	1.2 m/s
Acceleration (C-track)	2.4 m/s²
No. of torsion cycles	3 Mio.
Torsion stress	270 °/m
Torsion speed	60 cycles/min