

Data Sheet for Article: HSEMRJ6GS1

# S-JACK Module RJ45 shielded, Cat.6a 10GB, Single Pack

4PPoE 100W, SFB



## SCHRACK-Info

The S-JACK jacks HSEMRJ6GS1 are modules in Schrack format B (SFB). The RJ45 jacks comply with Cat.6<sub>A</sub> for 10 Gigabit Ethernet. They are tool-less jacks and can be wired without special tools. For easier crimping it is recommended to use the parallel pliers HSPTOOL1. The RJ45 modules have a particularly robust mechanical design and their compact construction ensures a high packing density of up to 48 RJ45 connections on 1U. Integration in standard switch programs (e.g.: SCHRACK Visio) when using the design-capable data sockets. The modules are made of zinc die-cast with a nickel-plated surface. The special contact geometry in combination with a 30µ" gold plating ensures PoE , PoE+ and 4PPoE 100W under all conditions.



## Technical Data

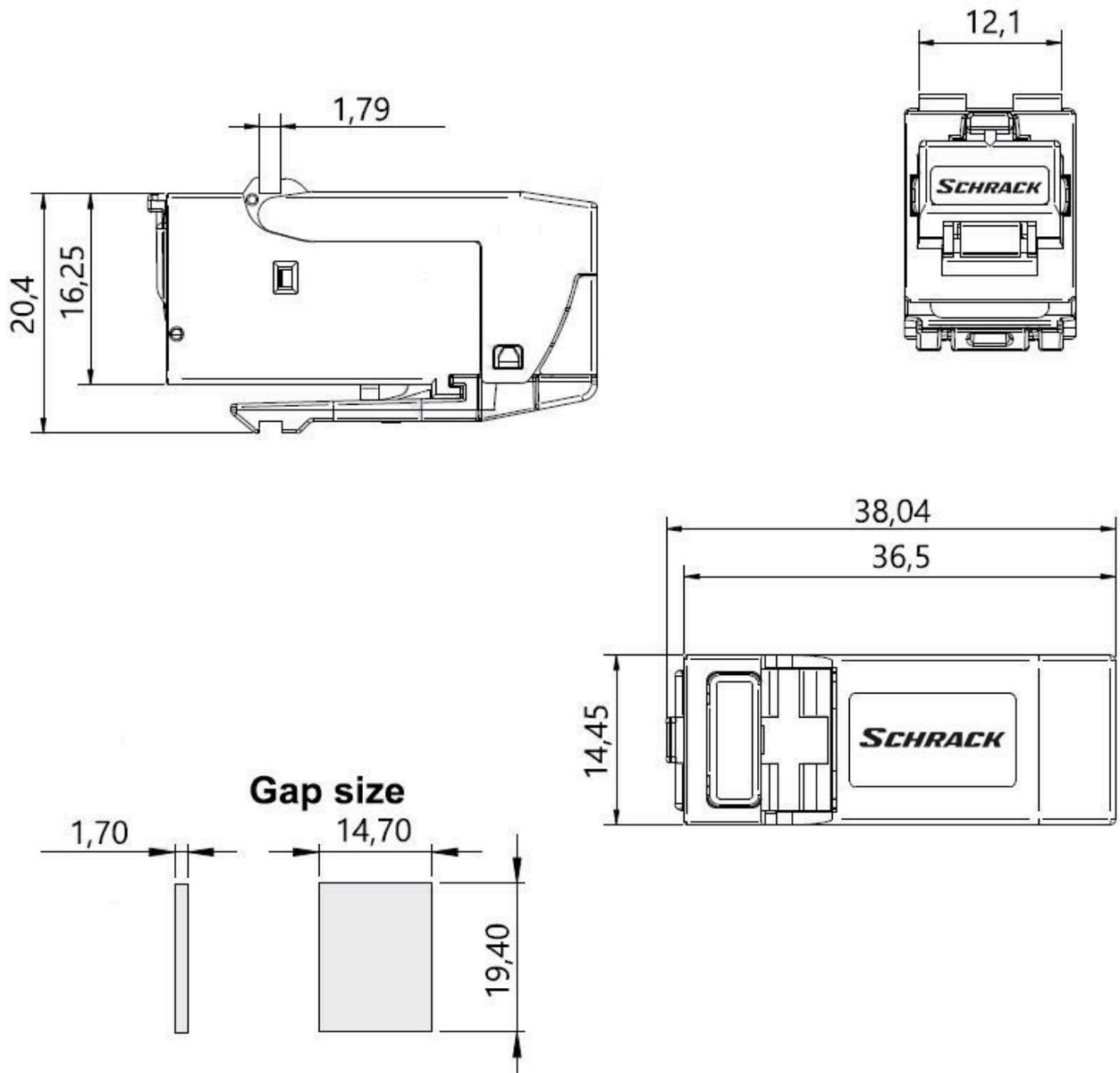
Net width (mm)	14,40
Net height (mm)	21,60
Connector standard	IEC 60603-7-51
Category	Cat.6 <sub>A</sub> /10GB
Class	E <sub>A</sub> acc. to ISO/IEC 11801 Amendment 1/2 Link length typ. ≥2m, in combination with a CP cable: CP-Linkt typ. ≥10m 10GbE is supported
4PPoE	Yes

## Technical Data - continued

Plugging cycles	≥ 2500
Insertion force (N)	≤ 30
Conductor diameter	solid 0,51-0,65mm AWG24/1 - AWG 22/1
Insulation diameter (mm)	5-9
Reusable (Module)	≤ 5 cycles with the same diameter
RoHS	Compliant with EU directive 2002/95/EC
Series	S-JACK
Housing	Zinc diecast
Strain-relief spring	Stainless steel
Surface	nickel plated
Shield spring	Stainless steel
PCB	FR4
PCB finish	Chem. Ni/Au
Contact material	Spring steel
Contact finish	30µm Au
Insulation housing	Blue (RAL5005)
Contact support plate	PC yellow (RAL1021)
Dust protection cover	PC clear
IDC	CuNi2Si
IDC finish	min. 3-6 µm (120-240µin) Sn
Particulate ingress	IP2X
Water ingress	IPX0
Packing	Bio-degradable
Contact resistance (mΩ)	≤ 20
Insulation resistance (MΩ*km)	≥ 500MΩ
Voltage proof - contact-contact (V)	≥ 1000 (DC)
Voltage proof - contact-shield (V)	≥ 1500 (DC)
Transfer Impedance	@ 1 MHz = ≤ 100mΩ @ 10 MHz = ≤ 200mΩ @ 80 MHz = ≤ 1600mΩ
Net weight (kg)	0,03
Net length (mm)	36,60
Min. ambient temperature (°C)	-40
Max. ambient temperature (°C)	70

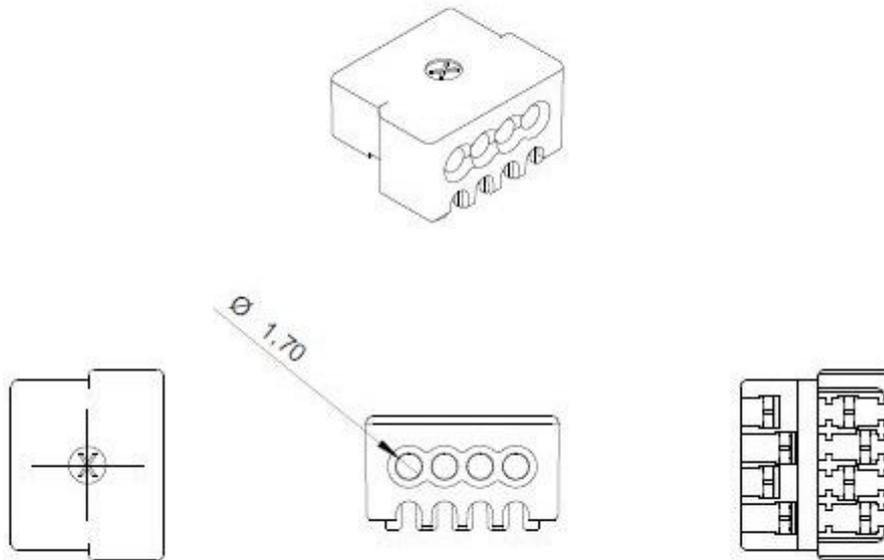
**Dimensioned drawing: S-JACK Module RJ45 shielded, Cat.6a 10GB, Single Pack**

Drawing

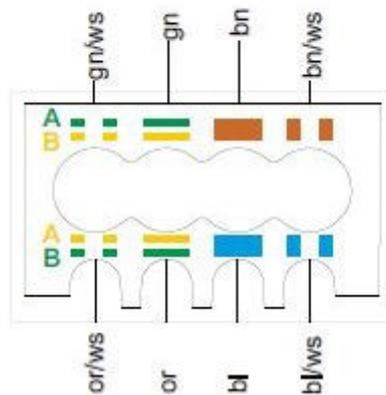
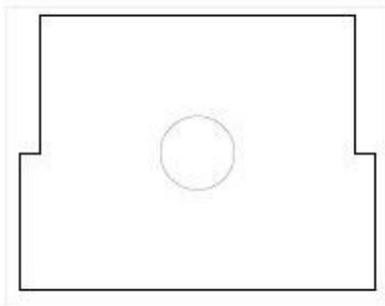


# Dimensioned drawing: S-JACK Module RJ45 shielded, Cat.6a 10GB, Single Pack

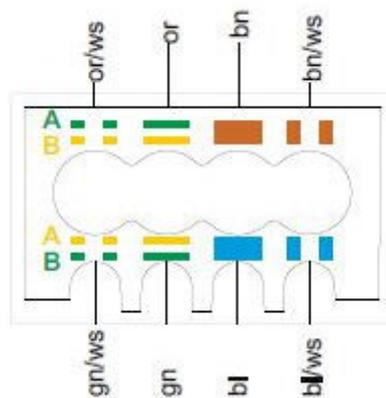
## Zeichnung / Drawing



## Belegung / Configuration



Belegung nach  
TIA/EIA 568 A /  
Configuration to  
TIA/EIA 568 A



Belegung nach  
TIA/EIA 568 B /  
Configuration to  
TIA/EIA 568 B

## Article Table

DESCRIPTION	NVP (%)	COPPER WEIGHT (kg/km)	Order No.
S-JACK Module RJ45 shielded, Cat.6a 10GB, Single Pack 4PPoE 100W, SFB			HSEMRJ6GS1
<b>Optional Accessories</b>			
Parallel Plier for closing of S-JACK and PERFORMANCE LINE RJ45 modules			HSPTOOL1
Parallel Plier for closing of S-JACK housing and for crimping wire manager and housing of the HSIS-plug			HTOOL00012
Side cutter flat for wire up to 1.3mm diameter			HTOOL00002
Cable Stripper for Jacket and Foil of Installationcables			HTOOL00005
Copper strips 35*9mm for opimized shielding contact of datacables to jacks, 20 pcs.			HSEKB0020
Copper strips 35*9mm for opimized shielding contact of datacables to jacks, 1.500 pcs.			HSEKB1800
S/FTP Cable Cat.7a, 4x2xAWG22/1, 1.500MHz, LS0H-3, B2ca, 55% blue RAL5015, Sale per meter	79	35	HSEKP422BB
S/FTP Cable Cat.7a, 4x2xAWG22/1, 1.500MHz, LS0H-3, Dca, 35% blue, Sale per meter	79	34	HSEKP422HP
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H-3, Cca, 50% blue RAL5015, Sale per meter	79	28	HSEKP423CB
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H, Dca 30% blue Drum 500m	77	25	HSKP423PP5
Patchpanel 19" for 24 modules (SFA)(SFB), labeling fields 1U, RAL7035, Light grey, single-piece design, patchcord lock top			HSER0240GZ
Patchpanel 19" empty for 24 modules (SFA)(SFB), 1U, RAL7035 Light grey, patchcord lock down			HSER0240GS
DIN-rail adapter empty for 1 module (SFA)(SFB), RAL7035 Lightgrey			HSERH010GS
Outlet empty 2 modules(SFA)(SFB), 80x80mm, angled, RAL9010 Pure white			HSED02UW2S
Outlet empty for 2 modules (SFB), 80x80mm, angled, RAL9010 pure white, UAE centralplate, Design switch-programme compatible			HSED02UWBS
Module insert empty UAE Design 1/2 S-JACK modules, angled Switchprogramme compatible. Compatible also to two TOOLLESS LINE SFB-modules.			HSED02UMBV
Cover for RJ45 UAE outlet, labelling window, 1-Port, white VISIO S 55 (55x55), ABS, ROHS, White			EV104314
			EV104312

## Article Table

DESCRIPTION	NVP (%)	COPPER WEIGHT (kg/km)	Order No.
<b>Optional Accessories</b>			
One gang frame, Design CUBIC, white VISIO S 55 (55x55), ABS, ROHS, White			EV105301
Patchcord RJ45 shielded Cat.6a 10GB, LSOH, grey, 1.0m 4PPoE 100W, PREMIUM			H6GTG01K0G
Patchcord RJ45 shielded Cat.6a 10GB, LSOH, grey, 2.0m 4PPoE 100W, PREMIUM			H6GTG02K0G
Patchcord RJ45 shielded Cat.6a 10GB, LSOH, grey, 3.0m 4PPoE 100W, PREMIUM			H6GTG03K0G
Patchcord RJ45 shielded Cat.6a 10GB, LSOH, grey, 5.0m 4PPoE 100W, PREMIUM			H6GTG05K0G