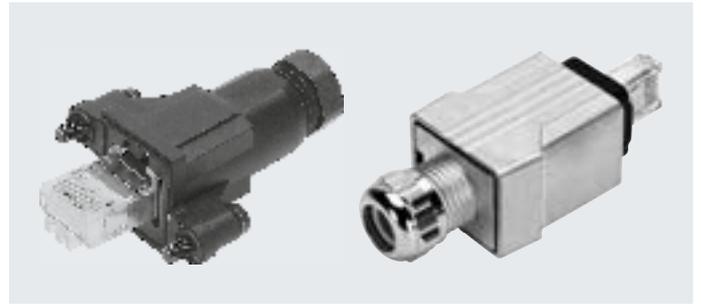# Data sheet

Plug FBS-RJ45

- Ethernet plug with 8-pin RJ45 connection
- Reverse polarity protected
- High transmission quality
- Detachable connection

General technical data

Type		FBS-RJ45-8-GS	FBS-RJ45-PP-GS
Permissible cable Ø	[mm]	4 … 5.4	5 … 8
Degree of protection to EN 60529		IP65/IP67	IP65/IP67
Protection against direct and indirect contact		PELV	PELV
Ethernet cable specification		Type: CAT.5	Type: CAT.5
		Individual wire diameter: 0.89 … 0.99 mm	Individual wire diameter: max. 1.6 mm
		AWG 24-26 fine wire	0.13 … 0.36 mm², 1-wire
		–	0.13 … 0.36 mm², 7-wire
		–	PROFINET
Product weight	[g]	15	60

Materials

Type	FBS-RJ45-8-GS	FBS-RJ45-PP-GS
Housing	Reinforced PA	Nickel-plated, die-cast zinc
Screws	Steel	–
Seals	NBR	NBR
Pin contacts	–	Copper alloy, nickel-plated and gold-plated
Note on materials	–	RoHS-compliant

Operating and environmental conditions

Type		FBS-RJ45-8-GS	FBS-RJ45-PP-GS
Ambient temperature	[°C]	−5 … +60	−40 … +70
Storage temperature	[°C]	−20 … +70	−40 … +70
Relative humidity	[%]	0 … 90, non-condensing, in assembled state	–

Data sheet

Dimensions
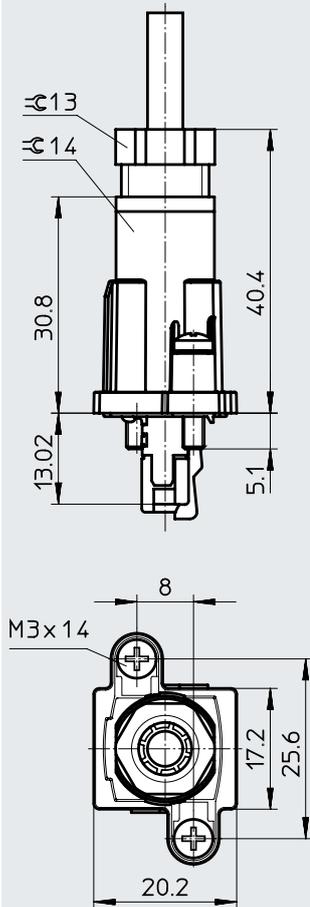
FBS-RJ45-8-GS

FBS-RJ45-PP-GS
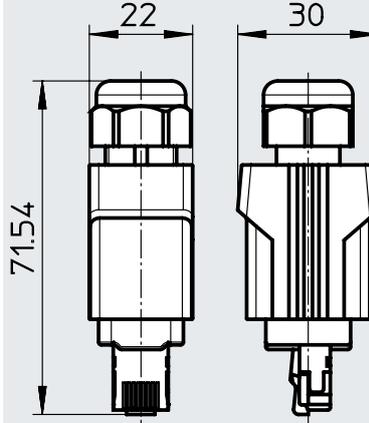
Ordering data		Part no.	Type
	Electrical connection	Part no.	Type
	Straight plug, 8-pin	534494	**FBS-RJ45-8-GS**
	Straight plug, push-pull, 8-pin	552000	**FBS-RJ45-PP-GS**
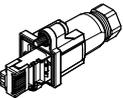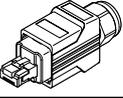
Subject to change – 2021/05