

COMPLIANCE CERTIFICATE

Product: Connectors

Tested by request of TIANJIN GENEUO TECHNOLOGY CO., LTD.
Keji Dadao, South District, Jinghai Economic Development Zone, Tianjin, China

Manufactured at (name and place) TIANJIN GENEUO TECHNOLOGY CO., LTD.
Keji Dadao, South District, Jinghai Economic Development Zone, Tianjin, China

Trade mark (if any):



Model/Type Ref:

M12 series connectors:

Pre-moulding connector part number key

PL	V	E	B	WD	L	K	C	D	4	P	2	-	2M	/	P00	/	GY	20	/	CYE	/	HYE	/	BST25	/	T00													
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20																				
1	M12 Power series connector PT T-CODE PS S-CODE PL L-CODE PK K-CODE	2	Blank Standard V Seismic Anti-Retreat	3	E M12X1 Connector	4	Blank A-code B B-code P Profibus I Ethernet, Profinet N DeviceNet Y Y-Code IX X-Code	5	Blank Brass Nickel-Plated Nut WD Stainless Steel Nut AF Plastic Nut	6	Blank Straight L Right angle	7	K Female Z Male	8	Pin Type Blank Standard C coiled pin	9	Blank Standard D Short Structure	10	Number of pins Contact distribution	11	LED Options(I/O connector) P PNP N NPN	12	Number of LED indicator	13	Cable Length[m]	14	Cable Jacket Refer to Cable Type Specs	15	Color of cable Blank Standard blank GY Gray OR Orange YE Yellow	16	Wire gauge Blank Standard 2-5pin 22AWG C 6-12pin 24AWG 20 20AWG 18 18AWG	17	Color of contact carrier Blank Standard black	18	Color of plug body Blank Standard black HGY Plug body gray HYE Plug body yellow HBU Plug body blue HOR Plug body orange HRD Plug body red	19	label sleeves (No tag) The double-ended connector defaults to two, and the single-ended connector defaults to one. Blank No label sleeves BST25 25mm Long label sleeves	20	Varieties

This document is issued by the company under its **General Conditions of Certification Services of SGS Belgium NV** accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.



COMPLIANCE CERTIFICATE

Flange Connector Naming Rules

PS	FE	B	L	K	4	1	1	0.5	NPT	ST316	H	22AWG	T00
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1 M12 Power Series PT T-CODE PS S-CODE PL L-CODE PK K-CODE	2 FE M12X1 Flange Connector	3 Blank A-code B B-code D D-code P Profibus (B-Code) I Ethernet, Profinet (D-Code) IX Ethernet, Profinet (X-Code) N DeviceNet	4 Blank Straight L Right angle 90° (only PCB, SMD)	5 K Female Z Male	6 Number of pins Contact distribution	7 Connection Mode 1 Rear mount 2 Front mount	8 Blank Standard Length 1 Short	9 0.5 Length of cable 0.5m L Solder cup P PCB pins S SMD	10 Connection Thread Spec Blank PG9 M16 M16x1.5 NPT 1/2-14NPT NPSM 1/2-14NPSM RS14 Rectangular screw connection screw pitch 14mm	11 Blank Cu-Ni Plated Flange Housing ST316 Stainless Steel Flange Housing AF Plastic Flange Housing	12 H Harpoon Bracket G Grounding	13 Wire gauge of cable Blank 2-5 pin 22AWG 24AWG 6-12pin 26AWG 17 pin	14 Varieties

Field-Wirable Connector Naming Rules

E	L	K	4	2	1	1	0	7	L
1	2	3	4	5	6	7	8	9	10
1 E M12Field-Wirable Connector	2 Blank Straight L Right angle	3 K Female Z Male	4 Number of pins	5 Contact material 1 Copper alloy, gold-plated 2 Copper alloy, silver-plated	6 1 A-code (I/o Connector) 2 B-code (Network Connector) 3 D-code (Network Connector) 4 T-code (Power Connector) 5 S-code (Power Connector) 6 X-code (Network Connector) 7 L-code (Power Connector) 8 K-code (Power Connector)	7 Shell Material 1 Plastic shell, nylon contact 2 Plastic shell, metal contact 3 Plastic shell, stainless steel gold-plated contact 4 Transparent plastic shell, metal contact 5 Transparent plastic shell, metal contact 8 All-metal, brass contact 9 All-metal, stainless steel shell	8 Rear connection mode 0: Single output 1: Dual output interface 2: Dual output & dual-wire interface	9 Cable interface 7: PG7 (Locking cable OD range 4-6mm) 9: PG9 (Locking cable OD range 6-8mm) 11: PG11 (Locking cable OD range 8-10mm)	10 Connection method Blank Rivet connection L Soldering connection C Crimp connection IDC Insulation-displacement connection

Data series connectors:

Pre-moulding connector

E	I	L	K	4	2M	F41
1	2	3	4	5	6	7
1 E M12x1 Connector S M8x1 Connector	2 I Ethernet IX X-code	3 Blank Straight L Right angle	4 K Female Z Male	5 Number of pins Contact distribution	6 Length [m]	7 Cable type F41 PVC fixed installation F410 PUR drag chain E41 PUR fixed installation E45 PUR drag chain E61 PVC fixed installation E65 PVC drag chain E71 PUR fixed installation F21 PVC fixed installation F23 PUR drag chain F230 PUR drag chain

This document is issued by the company under its **General Conditions of Certification Services of SGS Belgium NV** accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.



COMPLIANCE CERTIFICATE

RJ45 Pre-moulding connector

T S RJ45S - 2M / F41 - CR

1 2 3 4 5 6

1	Blank	Right angle, Buckle up	5	Cable type
T	Right angle, Buckle up		F41	PVC fixed installation
B	Right angle, Buckle down		F410	PUR drag chain
CU	Straight, Screw cordset		E41	PUR fixed installation
D	Straight, version		E43	PVC drag chain
M	Straight, small Outline		E45	PUR drag chain
			E61	PVC fixed installation
			E65	PVC drag chain
2	Blank	RJ45	E71	PUR fixed installation
S	QD-type RJ45		F21	PVC fixed installation
			F23	PUR drag chain
			F230	PUR drag chain
3	RJ45S	Shielding	6	Line sequence
			Blank	Standard
4	Length [m]		CR	Cross

7/8"series connectors:

Pre-moulding connector number key

M L K 4 - 2M / 20 / T00

1 2 3 4 5 6 7

1	M 7/8"-16UN Connector	6	Cable and pre-moulding connector part number key	52	Grey highly flexible PUR, 16AWG plug body black	
MN	7/8"-DeviceNet™		Blank	Black PVC, 16 AWG, plug body black	57	Grey PVC, 16AWG, plug body blue
			20	Yellow PVC, 16AWG, plug body yellow	P314	Yellow highly flexible PUR, 14AWG plug body yellow
2	Blank	Straight	22	Grey PVC, 16AWG, plug body black		
L	Right angle		24	Yellow highly flexible PUR, 16AWG, plug body yellow	P324	Yellow PVC, 14AWG, plug body yellow
3	K	Female	25	Grey PVC, 6AWG, plug body grey	P514	Black highly flexible PUR, 14AWG plug body black
Z	Male		47	Black PVC, 16AWG, plug body blue	P524	Black PVC, 14AWG, plug body black
4	Number of pins		48	Black highly flexible PUR, 16AWG, plug body blue		
	Contact distribution		49	Black highly flexible PUR, 16AWG plug body black	7	Varieties
5	Length [m]					

Receptacle connector part number key

FM K 4 1 - 0,5 / M20 / 18AWG / T00

1 2 3 4 5 6 7 8

1	FM 7/8"-16UN receptacle	5	0.5 length of cable 0.5m	7	Wire gauge
K	Female	L	Solder cup	Blank	16AWG
Z	Male	P	PCB pins	Standard	Wire gauge
3	Number of pins			18AWG	
	Number allocation	6	Connection thread specification	8	Varieties
4	Termination (mounting style)	PG13.5	13.5		
1	Rear mount	M20	M20X1.5		
2	Front mount	M30	M30X1.5		
		NPT	1/2-14		
		NPSM	1/2-14		

This document is issued by the company under its **General Conditions of Certification Services of SGS Belgium NV** accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.



COMPLIANCE CERTIFICATE

Field wireable connector
part number key

M	L	K	4	1	1	1	-	0	/	13.5
1	2	3	4	5	6	7	8	9		

1	M 7/8"-16UN field wireable connector	5	material of pin 1 Ag plated brass 2 Au plated brass	8	Thread type connection thread 0:Single cable 1: Dual cable
2	L Right angle Blank Straight	6	1 A-code	9	Cable opening 9 PG9(Locking cable outer diameter range4~6mm) 11 PG11(Locking cable outer diameter range8~10mm) 13.5 PG13.5(Locking cable outer diameter range10-12mm)
3	K Female Z Male	7	Housing material 0 Plastic housing Nylon coupling nut 1 Plastic housing cast aluminum coupling nut 2 Plastic housing Stainless steel coupling nut		Termination Blank Screw terminals
4	Number of pins Number allocation				

Splitter Series Connectors:

Splitter

YK	4	-	2	EK	3	-	1M	-	1M	/	P00	/	YE	/	HYE	/	BST25	/	T00	
1	2	3	4	5	6	7	8	9	10	11	12									

1	YZ Compact type Male M12x1 YK Compact type Female M12x1 YHK Compact installation type Male M12x1 YSZ Compact type Male M8x1 YSK Compact type Female M8x1 YHSZ Compact installation type Male M8x1 YHSK Compact installation type Female M8x1 YVW Wide type Male M12x1 YVK Wide type Female M12x1 YVZ Narrow type Male M12x1 YVK Narrow type Female M12x1 YVZS Narrow type Male M8x1 YVSK Narrow type Female M8x1 YVZS Narrow installation type Male M12x1 YVSK Narrow installation type Female M12x1 YFVK Wide type Flange Female M12x1 YFVZ Wide type Flange Male M12x1	2	Number of pins Contact distribution	3	Branch connection number Blank Adapter	4	EK M12x1 Female EZ M12x1 Male FEK M12x1 Receptacle Female FEZ M12x1 Receptacle Male SK M8x1 Female SZ M8x1 Male FSK M8x1 Receptacle Female FSZ M8x1 Receptacle Male	5	Number of pins Contact distribution	6	Branch1 length [m]	7	Branch2 length [m]	8	Cable code As with M12 I/O type cable code	9	Color of cable Blank Standard black YE Yellow (Customization) GY Gray (Customization)	10	Color of plug body Blank Standard black HYE Plug body yellow(Customization) HBU Plug body blue(Customization)	11	Identification cover(No marking plate) One plug-in is provided for each end by default Blank It comes without an identification set by default BST25 25mm long identification cover	12	Varieties
---	--	---	--	---	---	---	--	---	--	---	--------------------	---	--------------------	---	---	---	--	----	--	----	--	----	-----------

This document is issued by the company under its **General Conditions of Certification Services of SGS Belgium NV** accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.



COMPLIANCE CERTIFICATE

Junction box																		
JB	S	8	M12	S	-	4	P	-	J	-	R	/	P10	/	YE	/	T00	
1	2	3	4	5	6	7	8	9	10	11	12							
1	JB Standard Junction box JBW Wide type Junction box						5	Blank No grounding plate S With grounding plate					9	Each port signal number Blank Single signal R Dual signal				
2	Shell material Blank Nylon (PA) S cast aluminum						6	Number of pins Contact distribution					10	Material of straight cable outlet Blank PVC P10 PUR				
3	Port number 4 4ports 6 6ports 8 8ports 12 12ports						7	LED Options Blank No LED P PNP N NPN					11	Color of straight cable outlet Blank Black YE Yellow GY Grey				
4	Port link type M8,M12						8	Connection Type Blank M23Horizontal T M23Vertical M12 M12Vertical M16 M16Vertical J Terminal connection D2 Cable connection 2m					12	Varieties				

Ratings and principal characteristics:

Series model	Ratings	Number of pins	Remark
M12 series connectors	630VAC/DC 16A(max) IP67	3, 4, 5, 6, 8, 12, 17	I/O and power categories have different error prevention structures and cannot be plugged together.
Data series connectors	60VAC/DC 1,5A(max) IP67	4, 8	
7/8"series connectors	600VAC/DC 9A(max) IP67	3, 4, 5, 6, 7	
Splitter Series Connectors	250VAC/DC 4A(max) IP67	3, 4, 5, 6, 8	

This document is issued by the company under its **General Conditions of Certification Services of SGS Belgium NV** accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.



Reference: 30010C

COMPLIANCE CERTIFICATE

Additional information (if any) :-


A sample of the product has been tested and found to be in conformity with :

EN 61984:2009

as shown in the test report(s) SHES260400645501

This Compliance Certificate is the result of testing a sample of the product submitted, in accordance with the provisions of the relevant specific standard. It does not imply an assessment of the whole production. This Compliance Certificate has been issued in accordance with the SGS CEBEC certification program CPRStd003, which is available on request. Conformity of the produced products with the specimen tested remains on the full responsibility of the manufacturer.

Brussels, 10/06/2026


Mark Lohmann
Certification Manager.

This document is issued by the company under its **General Conditions of Certification Services of SGS Belgium NV** accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

SGS Belgium NV – Division SGS CEBEC
Riverside Business Park
Bld. Internationalelaan, 55 Build. A
BE-1070 Brussels
Tel. +32 2 556 00 20
Fax +32 2 556 00 36

