

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Terminal Block**

with type designation(s)

770, 771, 890, 891

Issued to

WAGO Kontakttechnik GmbH & Co. KG
Minden, Nordrhein-Westfalen, Germany

is found to comply with

DNV GL rules for classification – Ships, offshore units, and high speed and light craft**Application :****Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.**Issued at **Hamburg** on **2019-11-29**for **DNV GL**This Certificate is valid until **2024-11-28**.DNV GL local station: **Magdeburg**Approval Engineer: **Heinz Scheffler**

Joannis Papanuskas
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.



Job Id: **262.1-007643-6**
 Certificate No: **TAE00001Z6**
 Revision No: **4**

Product description

Series 770, Cable connecting system including accessories.

Material:	Insulation housing:	Polyamid 6.6
	Contacts:	Copper or copper base alloy, surface refined
	Clamping spring:	CrNi Stainless Steel
Ingress protection:		IP 21

Type designation	Item No.	Rated Voltage (V)	Rated Current (A)	Rated Cross-Section (mm ²)	Description
770 series	770-	250/400	16 20 25	1.5 2.5 4	Connectors, 2,3,4,5-pole, 2-conductor
	770-102/041-000	250	25	4	2-P socket w/strain relief housing
	770-102/042-000	250	25	4	2-P socket w/strain relief housing
	770-122/041-000	250	25	4	2-P socket w/strain relief housing
	770-122/042-000	250	25	4	2-P socket w/strain relief housing
	770-1102	250	25	4	2-P socket without strain relief housing
	770-1162	250	25	4	2-P socket without strain relief housing
	770-202	250	25	4	2-P socket without strain relief housing
	770-222	250	25	4	2-P socket without strain relief housing
	770-242	250	25	4	2-P socket without strain relief housing
	770-262	250	25	4	2-P socket without strain relief housing
	770-282	250	25	4	2-P socket without strain relief housing
	770-1242	250	25	4	2-P socket without strain relief housing
	770-112/041-000	250	25	4	2-P plug w/strain relief housing
	770-112/042-000	250	25	4	2-P plug w/strain relief housing
	770-132/041-000	250	25	4	2-P plug w/strain relief housing
	770-132/042-000	250	25	4	2-P plug w/strain relief housing
	770-1112	250	25	4	2-P plug without strain relief housing
	770-1172	250	25	4	2-P plug without strain relief housing
	770-212	250	25	4	2-P plug without strain relief housing
	770-232	250	25	4	2-P plug without strain relief housing

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Type designa- tion	Item No.	Rated Voltage (V)	Rated Current (A)	Rated Cross- Section (mm ²)	Description
	770-252	250	25	4	2-P plug without strain relief housing
	770-272	250	25	4	2-P plug without strain relief housing
	770-292	250	25	4	2-P plug without strain relief housing
	770-1252	250	25	4	2-P plug without strain relief housing
	770-103	250	25	4	3-P socket w/strain relief housing
	770-123	250	25	4	3-P socket w/strain relief housing
	770-1303	250	25	4	3-P socket without strain relief housing
	770-1343	250	25	4	3-P socket without strain relief housing
	770-1363	250	25	4	3-P socket without strain relief housing
	770-203	250	25	4	3-P socket without strain relief housing
	770-223	250	25	4	3-P socket without strain relief housing
	770-243	250	25	4	3-P socket without strain relief housing
	770-263	250	25	4	3-P socket without strain relief housing
	770-283	250	25	4	3-P socket without strain relief housing
	770-203/010-002	250	25	4	3-P socket without strain relief housing
	770-1243	250	25	4	3-P socket without strain relief housing
	770-703	250	25	4	Socket, 3-P
	770-723	250	25	4	Socket, 3-P
	770-703/004-000	250	25	4	3-P socket without strain relief housing
	770-703/009-000	250	25	4	3-P socket without strain relief housing
	770-703/010-002	250	25	4	3-P socket without strain relief housing
	770-723/004-000	250	25	4	3-P socket without strain relief housing
	770-723/009-000	250	25	4	3-P socket without strain relief housing
	770-408	250	25	NA	3-P socket device connector
	770-428	250	25	NA	3-P socket device connector
	770-2303	250	25	4	3-P socket without strain relief housing
	770-2343	250	25	4	3-P socket without strain relief housing

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Type designa- tion	Item No.	Rated Voltage (V)	Rated Current (A)	Rated Cross- Section (mm ²)	Description
	770-2363	250	25	4	3-P socket without strain relief housing
	770-723	250	25	4	3-P socket without strain relief housing
	770-743	250	25	4	3-P socket without strain relief housing
	770-763	250	25	4	3-P socket without strain relief housing
	770-783	250	25	4	3-P socket without strain relief housing
	770-113	250	25	4	3-P plug w/strain relief housing
	770-133	250	25	4	3-P plug w/strain relief housing
	770-1253	250	25	4	3-P plug w/strain relief housing
	770-1373/146-000	250	25	NA	3-P shortening plug
	770-1373/147-000	250	25	NA	3-P shortening plug
	770-1373/148-00	250	25	NA	3-P shortening plug
	770-1373/149-000	250	25	NA	3-P shortening plug
	770-1313	250	25	4	3-P plug without strain relief housing
	770-1353	250	25	4	3-P plug without strain relief housing
	770-1373	250	25	4	3-P plug without strain relief housing
	770-213	250	25	4	3-P plug without strain relief housing
	770-233	250	25	4	3-P plug without strain relief housing
	770-253	250	25	4	3-P plug without strain relief housing
	770-273	250	25	4	3-P plug without strain relief housing
	770-293	250	25	4	3-P plug without strain relief housing
	770-213/010-002	250	25	4	3-P plug without strain relief housing
	770-233/002-000	250	25	4	3-P plug without strain relief housing
	770-713	250	25	4	Plug, 3-P
	770-733	250	25	4	Plug, 3-P
	770-753	250	25	4	Plug, 3-P
	770-773	250	25	4	Plug, 3-P
	770-793	250	25	4	Plug, 3-P
	770-713/007-000	250	25	4	Plug, 3-P
	770-733/007-000	250	25	4	Plug, 3-P
	770-2313	250	25	4	Plug, 3-P
	770-2313/007-000	250	25	4	Plug, 3-P
	770-2353	250	25	4	Plug, 3-P
	770-2373	250	25	4	Plug, 3-P
	770-803	250	25	NA	Plug, 3-P, soldering

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Type designation	Item No.	Rated Voltage (V)	Rated Current (A)	Rated Cross-Section (mm ²)	Description
	770-803/011-000	250	25	NA	Plug, 3-P, soldering
	770-813	250	25	NA	Plug, 3-P, soldering
	770-813/011-000	250	25	NA	Plug, 3-P, soldering
	770-823	250	25	NA	Plug, 3-P, soldering
	770-823/011-000	250	25	NA	Plug, 3-P, soldering
	770-833	250	25	NA	Plug, 3-P, soldering
	770-833/011-000	250	25	NA	Plug, 3-P, soldering
	770-843	250	25	NA	Plug, 3-P, soldering
	770-843/011-000	250	25	NA	Plug, 3-P, soldering
	770-853	250	25	NA	Plug, 3-P, soldering
	770-853/011-000	250	25	NA	Plug, 3-P, soldering
	770-863	250	25	NA	Plug, 3-P, soldering
	770-863/011-000	250	25	NA	Plug, 3-P, soldering
	770-873	250	25	NA	Plug, 3-P, soldering
	770-873/011-000	250	25	NA	Plug, 3-P, soldering
	770-883	250	25	NA	Plug, 3-P, soldering
	770-883/011-000	250	25	NA	Plug, 3-P, soldering
	770-893	250	25	NA	Plug, 3-P, soldering
	770-893/011-000	250	25	NA	Plug, 3-P, soldering
	770-418	250	25	NA	3-P plug device connector
	770-438	250	25	NA	3-P plug device connector
	770-503	NA	NA	NA	Strain relief housing
	770-513	NA	NA	NA	Strain relief housing
	770-503/023-000	NA	NA	NA	Strain relief housing
	770-513/023-000	NA	NA	NA	Strain relief housing
	770-503/032-000	NA	NA	NA	Strain relief housing
	770-513/032-000	NA	NA	NA	Strain relief housing
	770-	400	16 20 25	1.5 2.5 4	Connectors, 4-pole, 2-conductor
	770-104	400	25	4	4-P socket w/strain relief housing
	770-124	400	25	4	4-P socket w/strain relief housing
	770-1324	400	25	4	4-P socket without strain relief housing
	770-204	400	25	4	4-P socket without strain relief housing
	770-224	400	25	4	4-P socket without strain relief housing
	770-244	400	25	4	4-P socket without strain relief housing
	770-264	400	25	4	4-P socket without strain relief housing
	770-284	400	25	4	4-P socket without strain relief housing
	770-704	400	25	4	4-P socket without strain relief housing
	770-704/004-000	400	25	4	4-P socket without strain relief housing

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	770-704/009-000	400	25	4	4-P socket without strain relief housing
	770-2324	400	25	4	4-P socket without strain relief housing
	770-724	400	25	4	4-P socket without strain relief housing
	770-724/004-000	400	25	4	4-P socket without strain relief housing
	770-724/009-000	400	25	4	4-P socket without strain relief housing
	770-114	400	25	4	4-P plug w/strain relief housing
	770-134	400	25	4	4-P plug w/strain relief housing
	770-234	400	25	4	4-P plug without strain relief housing
	770-254	400	25	4	4-P plug without strain relief housing
	770-274	400	25	4	4-P plug without strain relief housing
	770-294	400	25	4	4-P plug without strain relief housing
	770-714	400	25	4	4-P plug without strain relief housing
	770-714/007-000	400	25	4	4-P plug without strain relief housing
	770-2334	400	25	4	4-P plug without strain relief housing
	770-2334/007-000	400	25	4	4-P plug without strain relief housing
	770-734	400	25	4	4-P plug without strain relief housing
	770-744	400	25	4	4-P plug without strain relief housing
	770-754	400	25	4	4-P plug without strain relief housing
	770-764	400	25	4	4-P plug without strain relief housing
	770-774	400	25	4	4-P plug without strain relief housing
	770-784	400	25	4	4-P plug without strain relief housing
	770-794	400	25	4	4-P plug without strain relief housing
	770-734/007-000	400	25	4	4-P plug without strain relief housing
	770-804	400	25	4	Plug, 4-P, soldering
	770-804/011-000	400	25	4	Plug, 4-P, soldering
	770-814	400	25	4	Plug, 4-P, soldering
	770-814/011-000	400	25	4	Plug, 4-P, soldering
	770-824	400	25	4	Plug, 4-P, soldering
	770-824/011-000	400	25	4	Plug, 4-P, soldering

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	770-834	400	25	4	Plug, 4-P, soldering
	770-834/011-000	400	25	4	Plug, 4-P, soldering
	770-844	400	25	4	Plug, 4-P, soldering
	770-844/011-000	400	25	4	Plug, 4-P, soldering
	770-854	400	25	4	Plug, 4-P, soldering
	770-854/011-000	400	25	4	Plug, 4-P, soldering
	770-864	400	25	4	Plug, 4-P, soldering
	770-864/011-000	400	25	4	Plug, 4-P, soldering
	770-874	400	25	4	Plug, 4-P, soldering
	770-874/011-000	400	25	4	Plug, 4-P, soldering
	770-884	400	25	4	Plug, 4-P, soldering
	770-884/011-000	400	25	4	Plug, 4-P, soldering
	770-894	400	25	4	Plug, 4-P, soldering
	770-894/011-000	400	25	4	Plug, 4-P, soldering
	770-504	NA	NA	NA	Strain relief housing
	770-514	NA	NA	NA	Strain relief housing
	770-	400	16 20 25	1.5 2.5 4	Connectors, 5-pole, 2-conductor
	770-105	400	25	4	5-P socket w/strain relief housing
	770-125	400	25	4	5-P socket w/strain relief housing
	770-305	400	25	4	5-P socket w/strain relief housing
	770-325	400	25	4	5-P socket w/strain relief housing
	770-1105	400	25	4	5-P socket without strain relief housing
	770-1165	400	25	4	5-P socket without strain relief housing
	770-1305	400	25	4	5-P socket without strain relief housing
	770-1325	400	25	4	5-P socket without strain relief housing
	770-205	400	25	4	5-P socket without strain relief housing
	770-225	400	25	4	5-P socket without strain relief housing
	770-245	400	25	4	5-P socket without strain relief housing
	770-265	400	25	4	5-P socket without strain relief housing
	770-285	400	25	4	5-P socket without strain relief housing
	770-405	400	25	4	5-P socket without strain relief housing
	770-425	400	25	4	5-P socket without strain relief housing
	770-705	400	25	4	Socket, 5-P

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	770-725	400	25	4	Socket, 5-P
	770-745	400	25	4	Socket, 5-P
	770-765	400	25	4	Socket, 5-P
	770-785	400	25	4	Socket, 5-P
	770-705/004-000	400	25	4	Socket, 5-P
	770-705/009-000	400	25	4	Socket, 5-P
	770-2105	400	25	4	Socket, 5-P
	770-2305	400	25	4	Socket, 5-P
	770-2325	400	25	4	Socket, 5-P
	770-725/004-000	400	25	4	Socket, 5-P
	770-725/009-000	400	25	4	Socket, 5-P
	770-805	400	25	NA	Plug, 5-P, soldering
	770-805/011-000	400	25	NA	Plug, 5-P, soldering
	770-815	400	25	NA	Plug, 5-P, soldering
	770-815/011-000	400	25	NA	Plug, 5-P, soldering
	770-825	400	25	NA	Plug, 5-P, soldering
	770-825/011-000	400	25	NA	Plug, 5-P, soldering
	770-835	400	25	NA	Plug, 5-P, soldering
	770-835/011-000	400	25	NA	Plug, 5-P, soldering
	770-845	400	25	NA	Plug, 5-P, soldering
	770-845/011-000	400	25	NA	Plug, 5-P, soldering
	770-855	400	25	NA	Plug, 5-P, soldering
	770-855/011-000	400	25	NA	Plug, 5-P, soldering
	770-865	400	25	NA	Plug, 5-P, soldering
	770-865/011-000	400	25	NA	Plug, 5-P, soldering
	770-875	400	25	NA	Plug, 5-P, soldering
	770-875/011-000	400	25	NA	Plug, 5-P, soldering
	770-885	400	25	NA	Plug, 5-P, soldering
	770-885/011-000	400	25	NA	Plug, 5-P, soldering
	770-895	400	25	NA	Plug, 5-P, soldering
	770-895/011-000	400	25	NA	Plug, 5-P, soldering
	770-115	400	25	4	5-P plug w/strain relief housing
	770-135	400	25	4	5-P plug w/strain relief housing
	770-215	400	25	4	5-P plug without strain relief housing
	770-235	400	25	4	5-P plug without strain relief housing
	770-255	400	25	4	5-P plug without strain relief housing
	770-275	400	25	4	5-P plug without strain relief housing
	770-295	400	25	4	5-P plug without strain relief housing
	770-315	400	25	4	Plug, 5-P
	770-335	400	25	4	Plug, 5-P
	770-1115	400	25	4	Plug, 5-P
	770-1175	400	25	4	Plug, 5-P
	770-1335	400	25	4	Plug, 5-P

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	770-415	400	25	4	Plug, 5-P
	770-435	400	25	4	Plug, 5-P
	770-1315	400	25	4	Plug, 5-P
	770-2115	400	25	4	Plug, 5-P
	770-2115/007-000	400	25	4	Plug, 5-P
	770-2315	400	25	4	Plug, 5-P
	770-2335	400	25	4	Plug, 5-P
	770-2335/007-000	400	25	4	Plug, 5-P
	770-715	400	25	4	Plug, 5-P
	770-715/007-000	400	25	4	Plug, 5-P
	770-735	400	25	4	Plug, 5-P
	770-755	400	25	4	Plug, 5-P
	770-775	400	25	4	Plug, 5-P
	770-795	400	25	4	Plug, 5-P
	770-735/007-000	400	25	4	Plug, 5-P
	770-505	NA	NA	NA	Strain relief housing
	770-515	NA	NA	NA	Strain relief housing
	770-505/023-000	NA	NA	NA	Strain relief housing
	770-515/023-000	NA	NA	NA	Strain relief housing
	770-605	400	25	NA	5-P Intermediate coupler
	770-619	400	25	NA	5-P Intermediate coupler
	770-603	250	25	NA	3-P Intermediate coupler
	770-653	250	25	NA	3-P Intermediate coupler
	770-620	400	25	NA	5-P Intermediate coupler
	770-621	400	25	NA	5-P Intermediate coupler
	770-655	400	25	NA	5-P Intermediate coupler
	770-633	250	25	NA	h-Distribution
	770-634	250	25	NA	h-Distribution
	770-635	250	25	NA	h-Distribution
	770-636	250	25	NA	h-Distribution
	770-683	250	25	NA	h-Distribution
	770-684	250	25	NA	h-Distribution
	770-685	250	25	NA	h-Distribution
	770-686	250	25	NA	h-Distribution
	770-923	250	25	NA	h-Distribution
	770-924	250	25	NA	h-Distribution
	770-925	250	25	NA	h-Distribution
	770-926	250	25	NA	h-Distribution
	770-927	250	25	NA	h-Distribution
	770-928	250	25	NA	h-Distribution
	770-973	250	25	NA	h-Distribution
	770-974	250	25	NA	h-Distribution
	770-975	250	25	NA	h-Distribution
	770-976	250	25	NA	h-Distribution
	770-977	250	25	NA	h-Distribution
	770-978	250	25	NA	h-Distribution
	770-657	250	25	NA	H-Distribution
	770-658	250	25	NA	H-Distribution
	770-659	400	25	NA	H-Distribution

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Type designation	Item No.	Rated Voltage (V)	Rated Current (A)	Rated Cross-Section (mm ²)	Description
	770-1947	400	25	NA	H-Distribution
	770-606	250	25	NA	T-Distribution
	770-607	250	25	NA	T-Distribution
	770-608	250	25	NA	T-Distribution
	770-615	250	25	NA	T-Distribution
	770-656	250	25	NA	T-Distribution
	770-665	250	25	NA	T-Distribution
	770-667	250	25	NA	T-Distribution
	770-670	250	25	NA	T-Distribution
	770-626	400	25	NA	T-Distribution
	770-627	400	25	NA	T-Distribution
	770-676	400	25	NA	T-Distribution
	770-677	400	25	NA	T-Distribution
	770-609	400	25	NA	T-Distribution
	770-617	400	25	NA	T-Distribution
	770-622	400	25	NA	T-Distribution
	770-671	400	25	NA	T-Distribution
	770-672	400	25	NA	T-Distribution
770 series	770-	400	16 20 25	1.5 2.5 4	Distribution connector w/phase selection, 5/3 pole
	770-611	400	25	4	Distribution con. w/strain relief housing
	770-661	400	25	4	Distribution con. w/strain relief housing
	770-687	250	25	4	Distribution connector
	770-688	250	25	4	Distribution connector
	770-637	250	25	4	Distribution connector
	770-638	250	25	4	Distribution connector
	770-970	250	25	4	T-Distribution
	770-967	250	25	4	T-Distribution
	770-907	250	25A	NA	H-Distribution
	770-317	NA	NA	NA	Snap-In frame
	770-337	NA	NA	NA	Snap-In frame
	770-338	NA	NA	NA	Snap-In frame

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Series 771. Pre-Assembled cable connecting system including cables and accessories.

771-8.. : Welded conductor;

771-9.. : Fixed conductor

Material	Insulation housing:	Polyamid 6.6
	Contacts:	Copper or copper base alloy, surface refined
	Clamping spring:	CrNi Stainless Steel
Ingress protection:		IP 21

Type designation: 771 series, all suffixes

Rated Voltage (V): 250 / 400

Rated Current (A): 16 / 20

Series 890. cable connecting system with socked and plug

Material	Insulation housing:	Polyamid 6.6
	Contacts:	Copper or copper base alloy, surface refined
	Clamping spring:	CrNi Stainless Steel
Ingress protection:		IP 21

Type designation	Item No.	Rated Voltage (V)	Rated Current (A)	Rated Cross-Section (mm ²)	Description
890 series	890-	250/400	16	1.5	Connectors, 2,3,4,5-pole, 1-conductor
	890-102	250	16	1.5	2-P socket w/strain relief housing
	890-122	250	16	1.5	2-P socket w/strain relief housing
	890-202	250	16	1.5	2-P socket without strain relief housing
	890-222	250	16	1.5	2-P socket without strain relief housing
	890-1102	250	16	1.5	2-P socket without strain relief housing
	890-242	250	16	1.5	2-P socket without strain relief housing
	890-262	250	16	1.5	2-P socket without strain relief housing
	890-282	250	16	1.5	2-P socket without strain relief housing
	890-1242	250	16	1.5	2-P socket without strain relief housing
	890-1262	250	16	1.5	2-P socket without strain relief housing
	890-1282	250	16	1.5	2-P socket without strain relief housing
	890-1112	250	16	1.5	2-P plug without strain relief housing
	890-112	250	16	1.5	2-P plug w/strain relief housing

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Type designa- tion	Item No.	Rated Voltage (V)	Rated Current (A)	Rated Cross- Section (mm ²)	Description
	890-132	250	16	1.5	2-P plug w/strain relief housing
	890-212	250	16	1.5	2-P plug without strain relief housing
	890-232	250	16	1.5	2-P plug without strain relief housing
	890-252	250	16	1.5	2-P plug without strain relief housing
	890-272	250	16	1.5	2-P plug without strain relief housing
	890-292	250	16	1.5	2-P plug without strain relief housing
	890-1252	250	16	1.5	2-P plug without strain relief housing
	890-1272	250	16	1.5	2-P plug without strain relief housing
	890-1292	250	16	1.5	2-P plug without strain relief housing
	890-712	250	16	1.5	2-P plug Snap-in
	890-732	250	16	1.5	2-P plug Snap-in
	890-2112	250	16	1.5	2-P plug Snap-in
	890-752	250	16	1.5	2-P plug Snap-in
	890-772	250	16	1.5	2-P plug Snap-in
	890-792	250	16	1.5	2-P plug Snap-in
	890-2252	250	16	1.5	2-P plug Snap-in
	890-2272	250	16	1.5	2-P plug Snap-in
	890-2292	250	16	1.5	2-P plug Snap-in
	890-2102	250	16	1.5	2-P socket Snap-in
	890-702	250	16	1.5	2-P socket Snap-in
	890-722	250	16	1.5	2-P socket Snap-in
	890-742	250	16	1.5	2-P socket Snap-in
	890-2242	250	16	1.5	2-P socket Snap-in
	890-2262	250	16	1.5	2-P socket Snap-in
	890-2282	250	16	1.5	2-P socket Snap-in
	890-762	250	16	1.5	2-P socket Snap-in
	890-782	250	16	1.5	2-P socket Snap-in
	890-842	250	16	NA	2-P socket solder
	890-862	250	16	NA	2-P socket solder
	890-882	250	16	NA	2-P socket solder
	890-1842	250	16	NA	2-P socket solder
	890-1862	250	16	NA	2-P socket solder
	890-1882	250	16	NA	2-P socket solder
	890-842/011-000	250	16	NA	2-P socket solder
	890-862/011-000	250	16	NA	2-P socket solder
	890-882/011-000	250	16	NA	2-P socket solder
	890-1842/011-000	250	16	NA	2-P socket solder
	890-1862/011-000	250	16	NA	2-P socket solder
	890-1882/011-000	250	16	NA	2-P socket solder

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Type designation	Item No.	Rated Voltage (V)	Rated Current (A)	Rated Cross-Section (mm ²)	Description
	890-802	250	16	NA	2-P socket solder
	890-822	250	16	NA	2-P socket solder
	890-3102	250	16	NA	2-P socket solder
	890-802/011-0000	250	16	NA	2-P socket solder
	890-822/011-000	250	16	NA	2-P socket solder
	890-3102/011-000	250	16	NA	2-P socket solder
	890-852	250	16	NA	2-P plug solder
	890-872	250	16	NA	2-P plug solder
	890-892	250	16	NA	2-P plug solder
	890-1852	250	16	NA	2-P plug solder
	890-1872	250	16	NA	2-P plug solder
	890-1892	250	16	NA	2-P plug solder
	890-852/011-000	250	16	NA	2-P plug solder
	890-872/011-000	250	16	NA	2-P plug solder
	890-892/011-000	250	16	NA	2-P plug solder
	890-1852/011-000	250	16	NA	2-P plug solder
	890-1872/011-000	250	16	NA	2-P plug solder
	890-1892/011-000	250	16	NA	2-P plug solder
	890-812	250	16	NA	2-P plug solder
	890-832	250	16	NA	2-P plug solder
	890-3112	250	16	NA	2-P plug solder
	890-812/011-000	250	16	NA	2-P plug solder
	890-832/011-000	250	16	NA	2-P plug solder
	890-3112/011-000	250	16	NA	2-P plug solder
	890-1606	250	16	NA	2-P T-Distribution connector
	890-1615	250	16	NA	2-P T-Distribution connector
	890-1617	250	16	NA	2-P T-Distribution connector
	890-1620	250	16	NA	2-P T-Distribution connector
	890-1656	250	16	NA	2-P T-Distribution connector
	890-1665	250	16	NA	2-P T-Distribution connector
	890-1634	250	16	NA	2-P h-Distribution connector
	890-1636	250	16	NA	2-P h-Distribution connector
	890-1684	250	16	NA	2-P h-Distribution connector
	890-1686	250	16	NA	2-P h-Distribution connector
	890-103	250	16	1.5	3-P plug w/strain relief housing
	890-123	250	16	1.5	3-P plug w/strain relief housing

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Type designation	Item No.	Rated Voltage (V)	Rated Current (A)	Rated Cross-Section (mm ²)	Description
	890-203	250	16	1.5	3-P plug without strain relief housing
	890-223	250	16	1.5	3-P plug without strain relief housing
	890-113	250	16	1.5	3-P socket w/strain relief housing
	890-133	250	16	1.5	3-P socket w/strain relief housing
	890-213	250	16	1.5	3-P socket without strain relief housing
	890-233	250	16	1.5	3-P socket without strain relief housing
	890-243	250	16	1.5	3-P socket without strain relief housing
	890-1243	250	16	1.5	3-P socket without strain relief housing
	890-1263	250	16	1.5	3-P socket without strain relief housing
	890-1283	250	16	1.5	3-P socket without strain relief housing
	890-263	250	16	1.5	3-P socket without strain relief housing
	890-283	250	16	1.5	3-P socket without strain relief housing
	890-253	250	16	1.5	3-P plug without strain relief housing
	890-1253	250	16	1.5	3-P plug without strain relief housing
	890-1273	250	16	1.5	3-P plug without strain relief housing
	890-1293	250	16	1.5	3-P plug without strain relief housing
	890-273	250	16	1.5	3-P plug without strain relief housing
	890-293	250	16	1.5	3-P plug without strain relief housing
	890-713	250	16	1.5	3-P plug Snap-in
	890-733	250	16	1.5	3-P plug Snap-in
	890-713/0006-0000	250	16	1.5	3-P plug Snap-in
	890-733/0006-0000	250	16	1.5	3-P plug Snap-in
	890-793	250	16	1.5	3-P plug Snap-in
	890-773	250	16	1.5	3-P plug Snap-in
	890-753	250	16	1.5	3-P plug Snap-in
	890-2253	250	16	1.5	3-P plug Snap-in
	890-2273	250	16	1.5	3-P plug Snap-in

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Type designation	Item No.	Rated Voltage (V)	Rated Current (A)	Rated Cross-Section (mm ²)	Description
	890-2293	250	16	1.5	3-P plug Snap-in
	890-703	250	16	1.5	3-P socket Snap-in
	890-723	250	16	1.5	3-P socket Snap-in
	890-703/0006-0000	250	16	1.5	3-P socket Snap-in
	890-723/0006-0000	250	16	1.5	3-P socket Snap-in
	890-743	250	16	1.5	3-P socket Snap-in
	890-763	250	16	1.5	3-P socket Snap-in
	890-783	250	16	1.5	3-P socket Snap-in
	890-2243	250	16	1.5	3-P socket Snap-in
	890-2263	250	16	1.5	3-P socket Snap-in
	890-2283	250	16	1.5	3-P socket Snap-in
	890-603	250	16	NA	3-P Intermediate coupler
	890-606	250	16	NA	3-P T-Distribution
	890-615	250	16	NA	3-P T-Distribution
	890-634	250	16	NA	3-P h-Distribution
	890-636	250	16	NA	3-P h-Distribution
	890-653	250	16	NA	3-P Intermediate coupler
	890-656	250	16	NA	3-P T-Distribution
	890-665	250	16	NA	3-P T-Distribution
	890-684	250	16	NA	3-P h-Distribution
	890-686	250	16	NA	3-P h-Distribution
	890-1661	250	16	NA	3-P h-Distribution
	890-1662	250	16	NA	3-P h-Distribution
	890-1663	250	16	NA	3-P h-Distribution
	890-1761	250	16	NA	3-P h-Distribution
	890-1762	250	16	NA	3-P h-Distribution
	890-1763	250	16	NA	3-P h-Distribution
	890-803	250	16	NA	3-P socket solder
	890-823	250	16	NA	3-P socket solder
	890-803/011-000	250	16	NA	3-P socket solder
	890-823/011-000	250	16	NA	3-P socket solder
	890-843	250	16	NA	3-P socket solder
	890-863	250	16	NA	3-P socket solder
	890-883	250	16	NA	3-P socket solder
	890-1843	250	16	NA	3-P socket solder
	890-1863	250	16	NA	3-P socket solder
	890-1883	250	16	NA	3-P socket solder
	890-843/011-000	250	16	NA	3-P socket solder
	890-863/011-000	250	16	NA	3-P socket solder
	890-883/011-000	250	16	NA	3-P socket solder
	890-1843/011-000	250	16	NA	3-P socket solder
	890-1863/011-000	250	16	NA	3-P socket solder
	890-1883/011-000	250	16	NA	3-P socket solder
	890-813	250	16	NA	3-P plug solder
	890-833	250	16	NA	3-P plug solder

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Type designation	Item No.	Rated Voltage (V)	Rated Current (A)	Rated Cross-Section (mm ²)	Description
	890-813/011-000	250	16	NA	3-P plug solder
	890-833/011-000	250	16	NA	3-P plug solder
	890-853	250	16	NA	3-P plug solder
	890-873	250	16	NA	3-P plug solder
	890-893	250	16	NA	3-P plug solder
	890-1853	250	16	NA	3-P plug solder
	890-1873	250	16	NA	3-P plug solder
	890-1893	250	16	NA	3-P plug solder
	890-853/011-000	250	16	NA	3-P plug solder
	890-873/011-000	250	16	NA	3-P plug solder
	890-893/011-000	250	16	NA	3-P plug solder
	890-1853/011-000	250	16	NA	3-P plug solder
	890-1873/011-000	250	16	NA	3-P plug solder
	890-1893/011-000	250	16	NA	3-P plug solder
	890-104	400	16	1.5	4-P socket w/strain relief housing
	890-124	400	16	1.5	4-P socket w/strain relief housing
	890-204	400	16	1.5	4-P socket without strain relief housing
	890-224	400	16	1.5	4-P socket without strain relief housing
	890-1244	400	16	1.5	4-P socket without strain relief housing
	890-1264	400	16	1.5	4-P socket without strain relief housing
	890-1284	400	16	1.5	4-P socket without strain relief housing
	890-244	400	16	1.5	4-P socket without strain relief housing
	890-264	400	16	1.5	4-P socket without strain relief housing
	890-284	400	16	1.5	4-P socket without strain relief housing
	890-114	400	16	1.5	4-P plug w/strain relief housing
	890-134	400	16	1.5	4-P plug w/strain relief housing
	890-214	400	16	1.5	4-P plug without strain relief housing
	890-234	400	16	1.5	4-P plug without strain relief housing
	890-1254	400	16	1.5	4-P plug without strain relief housing
	890-1274	400	16	1.5	4-P plug without strain relief housing
	890-1294	400	16	1.5	4-P plug without strain relief housing
	890-254	400	16	1.5	4-P plug without strain relief housing

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Type designa- tion	Item No.	Rated Voltage (V)	Rated Current (A)	Rated Cross- Section (mm ²)	Description
	890-274	400	16	1.5	4-P plug without strain relief housing
	890-294	400	16	1.5	4-P plug without strain relief housing
	890-734	400	16	1.5	4-P plug Snap-in
	890-714	400	16	1.5	4-P plug Snap-in
	890-794	400	16	1.5	4-P plug Snap-in
	890-774	400	16	1.5	4-P plug Snap-in
	890-754	400	16	1.5	4-P plug Snap-in
	890-2254	400	16	1.5	4-P plug Snap-in
	890-2274	400	16	1.5	4-P plug Snap-in
	890-2294	400	16	1.5	4-P plug Snap-in
	890-704	400	16	1.5	4-P socket Snap-in
	890-724	400	16	1.5	4-P socket Snap-in
	890-744	400	16	1.5	4-P socket Snap-in
	890-764	400	16	1.5	4-P socket Snap-in
	890-784	400	16	1.5	4-P socket Snap-in
	890-2244	400	16	1.5	4-P socket Snap-in
	890-2264	400	16	1.5	4-P socket Snap-in
	890-2284	400	16	1.5	4-P socket Snap-in
	890-626	400	16	NA	4-P T-Distribution
	890-627	400	16	NA	4-P T-Distribution
	890-676	400	16	NA	4-P T-Distribution
	890-677	400	16	NA	4-P T-Distribution
	890-944	400	16	NA	4-P h-Distribution
	890-945	400	16	NA	4-P h-Distribution
	890-994	400	16	NA	4-P h-Distribution
	890-995	400	16	NA	4-P h-Distribution
	890-1631	400	16	NA	4-P T-Distribution
	890-1632	400	16	NA	4-P T-Distribution
	890-1633	400	16	NA	4-P T-Distribution
	890-1731	400	16	NA	4-P T-Distribution
	890-1732	400	16	NA	4-P T-Distribution
	890-1733	400	16	NA	4-P T-Distribution
	890-1734	400	16	NA	4-P h-Distribution
	890-1735	400	16	NA	4-P h-Distribution
	890-1736	400	16	NA	4-P h-Distribution
	890-804	400	16	NA	4-P socket solder
	890-824	400	16	NA	4-P socket solder
	890-804/011-000	400	16	NA	4-P socket solder
	890-824/011-000	400	16	NA	4-P socket solder
	890-844	400	16	NA	4-P socket solder
	890-864	400	16	NA	4-P socket solder
	890-884	400	16	NA	4-P socket solder
	890-1844	400	16	NA	4-P socket solder
	890-1864	400	16	NA	4-P socket solder
	890-1884	400	16	NA	4-P socket solder

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Type designation	Item No.	Rated Voltage (V)	Rated Current (A)	Rated Cross-Section (mm ²)	Description
	890-844/011-000	400	16	NA	4-P socket solder
	890-864/011-000	400	16	NA	4-P socket solder
	890-884/011-000	400	16	NA	4-P socket solder
	890-1844/011-000	400	16	NA	4-P socket solder
	890-1864/011-000	400	16	NA	4-P socket solder
	890-1884/011-000	400	16	NA	4-P socket solder
	890-814	400	16	NA	4-P plug solder
	890-834	400	16	NA	4-P plug solder
	890-814/011-000	400	16	NA	4-P plug solder
	890-834/011-000	400	16	NA	4-P plug solder
	890-854	400	16	NA	4-P plug solder
	890-874	400	16	NA	4-P plug solder
	890-894	400	16	NA	4-P plug solder
	890-1854	400	16	NA	4-P plug solder
	890-1874	400	16	NA	4-P plug solder
	890-1894	400	16	NA	4-P plug solder
	890-854/011-000	400	16	NA	4-P plug solder
	890-874/011-000	400	16	NA	4-P plug solder
	890-894/011-000	400	16	NA	4-P plug solder
	890-1854/011-000	400	16	NA	4-P plug solder
	890-1874/011-000	400	16	NA	4-P plug solder
	890-1894/011-000	400	16	NA	4-P plug solder
	890-105	400	16	1.5	5-P socket w/strain relief housing
	890-125	400	16	1.5	5-P socket w/strain relief housing
	890-205	400	16	1.5	5-P socket without strain relief housing
	890-225	400	16	1.5	5-P socket without strain relief housing
	890-1105	400	16	1.5	5-P socket without strain relief housing
	890-1245	400	16	1.5	5-P socket without strain relief housing
	890-1265	400	16	1.5	5-P socket without strain relief housing
	890-1285	400	16	1.5	5-P socket without strain relief housing
	890-245	400	16	1.5	5-P socket without strain relief housing
	890-265	400	16	1.5	5-P socket without strain relief housing
	890-285	400	16	1.5	5-P socket without strain relief housing
	890-115	400	16	1.5	5-P plug w/strain relief housing
	890-135	400	16	1.5	5-P plug w/strain relief housing

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Type designation	Item No.	Rated Voltage (V)	Rated Current (A)	Rated Cross-Section (mm ²)	Description
	890-215	400	16	1.5	5-P plug without strain relief housing
	890-235	400	16	1.5	5-P plug without strain relief housing
	890-1115	400	16	1.5	5-P plug without strain relief housing
	890-1255	400	16	1.5	5-P plug without strain relief housing
	890-1275	400	16	1.5	5-P plug without strain relief housing
	890-1295	400	16	1.5	5-P plug without strain relief housing
	890-255	400	16	1.5	5-P plug without strain relief housing
	890-275	400	16	1.5	5-P plug without strain relief housing
	890-295	400	16	1.5	5-P plug without strain relief housing
	890-2115	400	16	NA	5-P plug Snap-in
	890-735	400	16	NA	5-P plug Snap-in
	890-715	400	16	NA	5-P plug Snap-in
	890-2115/0006-0000	400	16	NA	5-P plug Snap-in
	890-735/0006-0000	400	16	NA	5-P plug Snap-in
	890-715/0006-0000	400	16	NA	5-P plug Snap-in
	890-795	400	16	NA	5-P plug Snap-in
	890-775	400	16	NA	5-P plug Snap-in
	890-755	400	16	NA	5-P plug Snap-in
	890-2255	400	16	NA	5-P plug Snap-in
	890-2275	400	16	NA	5-P plug Snap-in
	890-2295	400	16	NA	5-P plug Snap-in
	890-2105	400	16	NA	5-P socket Snap-in
	890-705	400	16	NA	5-P socket Snap-in
	890-725	400	16	NA	5-P socket Snap-in
	890-2105/0006-0000	400	16	NA	5-P socket Snap-in
	890-705/0006-0000	400	16	NA	5-P socket Snap-in
	890-725/0006-0000	400	16	NA	5-P socket Snap-in
	890-745	400	16	NA	5-P socket Snap-in
	890-765	400	16	NA	5-P socket Snap-in
	890-785	400	16	NA	5-P socket Snap-in
	890-2245	400	16	NA	5-P socket Snap-in
	890-2265	400	16	NA	5-P socket Snap-in
	890-2285	400	16	NA	5-P socket Snap-in

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Type designation	Item No.	Rated Voltage (V)	Rated Current (A)	Rated Cross-Section (mm ²)	Description
	890-605	400	16	NA	5-P Intermediate coupler
	890-617	400	16	NA	5-P T-Distribution
	890-619	400	16	NA	5-P Intermediate coupler
	890-620	400	16	NA	5-P T-Distribution
	890-621	400	16	NA	5-P T-Distribution
	890-622	400	16	NA	5-P T-Distribution
	890-655	400	16	NA	5-P Intermediate coupler
	890-671	400	16	NA	5-P T-Distribution
	890-672	400	16	NA	5-P T-Distribution
	890-929	400	16	NA	5-P h-Distribution
	890-930	400	16	NA	5-P h-Distribution
	890-979	400	16	NA	5-P h-Distribution
	890-980	400	16	NA	5-P h-Distribution
	890-982	400	16	NA	5-P h-Distribution
	890-983	400	16	NA	5-P h-Distribution
	890-815	400	16	NA	5-P socket solder
	890-825	400	16	NA	5-P socket solder
	890-3105	400	16	NA	5-P socket solder
	890-805	400	16	NA	5-P socket solder
	890-825	400	16	NA	5-P socket solder
	890-3115	400	16	NA	5-P socket solder
	890-845	400	16	NA	5-P socket solder
	890-865	400	16	NA	5-P socket solder
	890-885	400	16	NA	5-P socket solder
	890-1845	400	16	NA	5-P socket solder
	890-1865	400	16	NA	5-P socket solder
	890-1885	400	16	NA	5-P socket solder
	890-845/011-000	400	16	NA	5-P socket solder
	890-865/011-000	400	16	NA	5-P socket solder
	890-885/011-000	400	16	NA	5-P socket solder
	890-1845/011-000	400	16	NA	5-P socket solder
	890-1865/011-000	400	16	NA	5-P socket solder
	890-1885/011-000	400	16	NA	5-P socket solder
	890-805/011-000	400	16	NA	5-P plug solder
	890-825/011-000	400	16	NA	5-P plug solder
	890-3105/011-000	400	16	NA	5-P plug solder
	890-815/011-000	400	16	NA	5-P plug solder
	890-835/011-000	400	16	NA	5-P plug solder
	890-3115/011-000	400	16	NA	5-P plug solder
	890-855	400	16	NA	5-P plug solder
	890-875	400	16	NA	5-P plug solder
	890-895	400	16	NA	5-P plug solder
	890-1855	400	16	NA	5-P plug solder
	890-1875	400	16	NA	5-P plug solder
	890-1895	400	16	NA	5-P plug solder
	890-855/011-000	400	16	NA	5-P plug solder
	890-875/011-000	400	16	NA	5-P plug solder
	890-895/011-000	400	16	NA	5-P plug solder
	890-1855/011-000	400	16	NA	5-P plug solder

Job Id: **262.1-007643-6**
Certificate No: **TAE00001Z6**
Revision No: **4**

Type designation	Item No.	Rated Voltage (V)	Rated Current (A)	Rated Cross-Section (mm ²)	Description
	890-1875/011-000	400	16	NA	5-P plug solder
	890-1895/011-000	400	16	NA	5-P plug solder

Series 891. cable connecting system with socked, plug and cable.

Material	Insulation housing:	Polyamid 6.6
	Contacts:	Copper or copper base alloy, surface refined
	Clamping spring:	CrNi Stainless Steel
Ingress protection:		IP 21

Type designation: 891 series, all suffixes

Rated Voltage (V): 250 / 400

Rated Current (A): 16

Application/Limitation

For use in dry accommodation spaces and inside switchboards or enclosures.

When plugg and socket is used as cable splicing the plugg or socket shall be fixed to the ground.

Termination and fixing to the ground shall be in accordance with manufacturer's instructions.

Series 770 or 890: (770 or 890-yyy(y)/xxxx-xxxx). The suffix /xxxx-xxxx means a variants of the equipment.

DNV-GL approval for series 771 relate exclusively to cables approved for marine applications.

DNV-GL approval for series 891 relate exclusively to cables approved for marine applications.

Type Approval documentation

Data sheets: WINSTA® – The Pluggable Connection System Full Line Catalog, Volume 5 – Edition 2019/2020; Drawing ZG / 3-pole male connector with or without SRH, drawing no. 0770-0113 Rev. 5, dated 2019-06-17.

Test reports: 2013726.01A, dated 2001-12-18; 2013726.02A, dated 2001-12-18; 10576, dated 2002-01-09; 12434, dated 2003-09-09; 10576, dated 2002-01-09; 9532, dated 2001-02-14; 17118, dated 2007-11-27; 10876, dated 2002-07-30; 71-102921, dated 2018-06-19; 2184310.01 dated 2018-06-19; 2184310.50 dated 2018-06-21; ; 2184310.51 dated 2018-06-21

Tests carried out

Plug type test in according to EN (IEC) 60320-1 & 60320-2-2 and 60947-7-1.

Environmental tests in according to DNV "Standard for certification no.2.4, April 2001":

Vibration, damp heat and salt mist.

Marking of product

The products to be marked with:

- Manufacturer name
- Type designation

Job Id: **262.1-007643-6**
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Revision No: **4**

Periodical assessment

The scope of the periodical assessment is to verify that the conditions stipulated for the type are complied with, and that no alterations are made to the product design or choice of systems, software versions, components and/or materials.

The main elements of the assessment are:

- Ensure that type approved documentation is available
- Inspection of factory samples, selected at random from the production line (where practicable)
- Review of production and inspection routines, including test records from product sample tests and control routines
- Ensuring that systems, software versions, components and/or materials used comply with type approved documents and/or referenced system, software, component and material specifications
- Review of possible changes in design of systems, software versions, components, materials and/or performance, and make sure that such changes do not affect the type approval given
- Ensuring traceability between manufacturer's product type marking and the type approval certificate

Periodical assessment is to be performed after 2 years and after 3.5 years. A renewal assessment will be performed at renewal of the certificate.

END OF CERTIFICATE