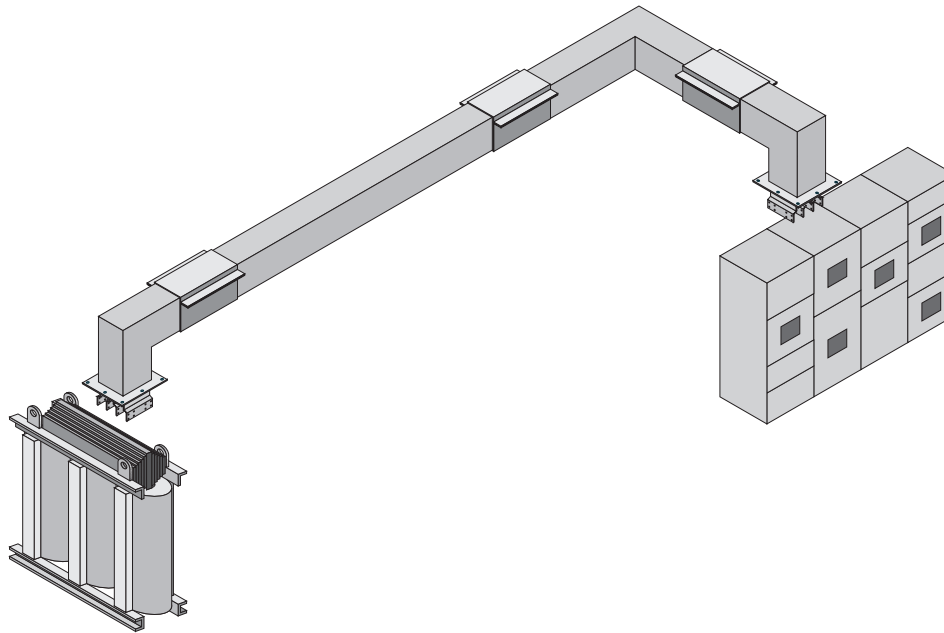


NAXSOSANDWICH



NAXSOSANDWICH must be installed with extra care as the weight-for-length is great and the slightest unalignments will result into the worst problems.

Naxsosandwich must be always installed with the lid facing the ceiling, with the holes of the joint's bolts laterally and so that the axis of the joint's bolt is parallel to the floor and the ceiling. This is needed for the best **Naxsosandwich** ventilation and mostly to have the tap offs sitting vertically with the lid that opens vertically. In case of risers **Naxsosandwich** must be installed with the 200 mm side parallel to the vertical wall so that the insertion windows are frontal and positioned so that the tap off can be installed with the opening lid against who stays in front of **Naxsosandwich** and frontal against the operator.

Great attention must be paid in choosing and putting the brackets. They need to be very sturdy and at least 2 each 3 meters.

The joints must be first well-aligned and the bar entering the joint has to be inserted for at least 70 mm so that the carter joint can be installed with no forcing or extra holes.

Naxsosandwich cannot be neither tampered nor modified... And this rule includes the housing, the carter joint and the joint itself

The joints after being aligned must be closed very well and strongly according to the label on each piece. The minimum must be 70 N/m

Internally to the tap offs, the links between the contact group and the switch are only a few centimeters long but must be made uniquely with monopole flexible cables or with appropriate flexibles that can be supplied by Naxso.

Before installing a tap off on the joint, the bolts must be opened and closed **ONLY** after having installed the contact group on the joint.

NAXSOSANDWICH ist mit besonderer Sorgfalt zu installieren, da das Gewicht je Laenge hoch ist, und Montageprobleme durch gute Vorbereitung vermieden werden koennen. NAXSOSANDWICH sollte vorzugsweise mit den Deckel des Verbindungsblockes nach oben zeigend installiert werden. Damit sind die Verbindungsbolzen leicht durch die waagerechte Lage erreichbar. Gleichzeitig optimiert diese Lage die Systemkuehlung unter Betriebsbedingungen.

Bei der vertikalen Installation muss NAXSOSANDWICH mit einem Wandabstand von min. 200 mm montiert werden. Die eventuell benoetigten Abgangsstellen zeigen damit nach vorn in Richtung des Benutzers. Bei der Ermittlung und der Platzierung der Aufhaengebuegel sollte ein maximaler Abstand von 2 bis 3m nicht ueberschritten werden. Nach genauer Ausrichtung der Stromschienen und Verbindungsblocke wird das Schienenende ca. 70 mm in den Verbindungsblock eingefuehrt. Damit ist sichergestellt, das alle Verbindungsschrauben leicht angebracht werden koennen. Ueberdeckung von Schraubenloechern deutet auf eine nicht sachgerechte Montage hin. Hier

ist die Verbindung gegebenenfalls neu durchzuführen oder mindestens zu ueberpruefen. Zusaetzliche Loecher, Schraubverbindungen oder Modifizierungen sind auf keinen Fall erforderlich. Die Verbindungsbolzen sind mit dem auf dem Typenschild angebrachten Drehmoment anzuziehen. Dieses ist min. 70 N/m.

Die interne Verdrahtung der Abgangskästen sind in der Regel zwar kurz, muessen aber dennoch mit flexiblen Leitungen oder Baendern von der Kontaktgruppe zum Abgangselement (Sicherung oder Leistungsschalter) ausgefuehrt werden. Diese flexiblen Einzelleiter koennen entsprechend des Nennstromes von NAXSO in konfektionierter Form geliefert werden.

Nur vor dem installieren eines Abgangskastens auf dem Einbolzenklemmblock ist / sind die Verbindungsbolzen zu loesen und zu schließen. Dieses hat unbedingt in spannungsfreiem und lastfreiem Systemzustand zu erfolgen.

Il prodotto NAXSOSANDWICH deve essere montato con grande attenzione perchè il peso per barra è molto grande e anche disallineamenti (unalignment) minimi possono causare grossi problemi.

Il prodotto NAXSOSANDWICH deve essere sempre montato con il coperchio rivolto verso il soffitto ciò sta a dire con i fori dei bulloni del giunto lateralmente e tali che l'asse del bullone giunto sia parallelo al pavimento e al soffitto. Ciò è necessario per avere la migliore ventilazione del NAXSOSANDWICH e maggiormente per avere le spine di derivazione (tap off) messe in posizione verticale con il loro coperchio che si apre verso l'alto. Nel caso di colonne montanti (risers), il NAXSOSANDWICH deve essere montato con il lato 200 mm coperchio di fondo parallelo al muro verticale, in modo tale che, le finestre di inserzione spina siano frontali e in posizione tale che la spina si installi con il coperchio apribile verso chi sta davanti al NAXSOSANDWICH e frontale rispetto all' operatore.

Una grande attenzione deve essere fatta alla scelta e posa degli staffaggi che devono essere molto robusti e almeno pari a due per ogni 3 metri.

I giunti devono essere prima allineati molto bene e la barra, che entra nel giunto, deve essere inserita per almeno 70 mm, ovvero in modo tale che il carter giunto sia montabile senza forzature e senza fare nuovi fori.

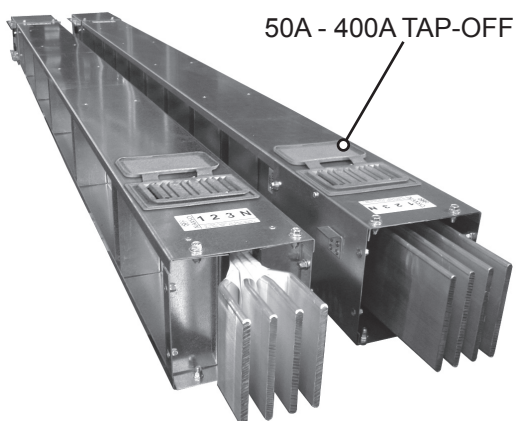
Il NAXSOSANDWICH non deve essere manomesso in alcun modo ne modificato in alcuna maniera ne nella carcassa ne nella parte carter giunto ne nel giunto.

I giunti dopo l'allineamento devono essere chiusi molto bene secondo le indicazioni dell'etichetta ad un minimo di 70 N/m.

All' interno delle spine di derivazione i collegamenti tra il gruppo contatti e l'interuttore sono corti pochi centimetri ma devono essere imperativamente fatti con cavi unipolari (monopole) flessibili oppure con appositi flessibili che possono essere forniti da NAXSO.

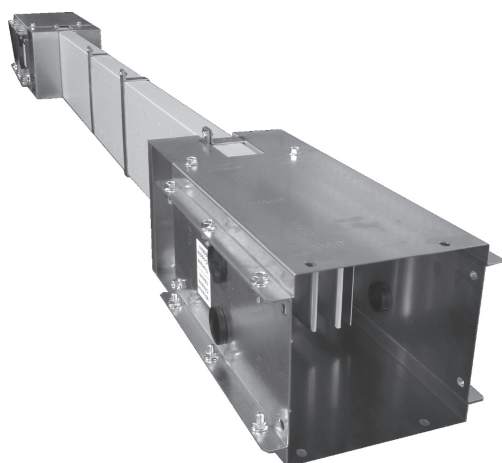
Prima di istallare una spina sul giunto, i bulloni del giunto devono essere aperti e chiusi solo dopo avere installato il gruppo contatti sul giunto.

NXW PLUG IN



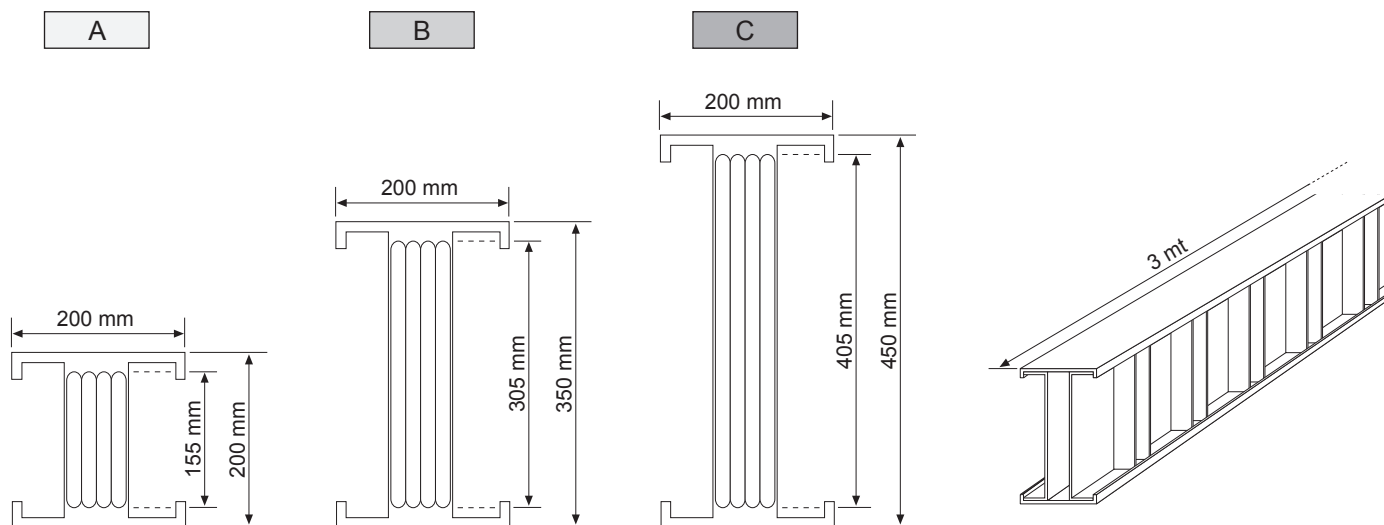
COD.	AMP.	A/B/C	Dm ³	Kg/3mt
NXW800PI	800	A	95	58
NXW1000PI	1000	A	95	61
NXW1250PI	1250	A	95	62
NXW1600PI	1600	A	120	98
NXW2000PI	2000	A	130	102
NXW2500PI	2500	B	180	168
NXW3200PI	3200	B	240	172
NXW4000PI	4000	B	260	175
NXW5000PI	5000	C	300	190

NXW FEEDER



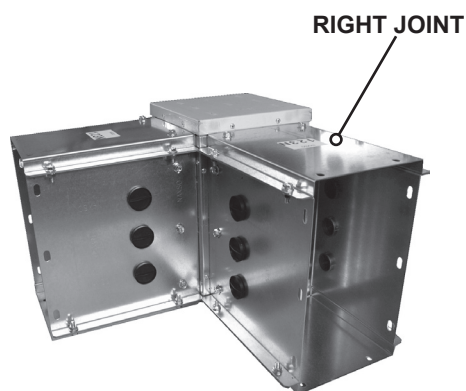
COD.	AMP.	A/B/C	Dm ³	Kg/3mt
NXW800FE	800	A	95	58
NXW1000FE	1000	A	95	61
NXW1250FE	1250	A	95	62
NXW1600FE	1600	A	120	98
NXW2000FE	2000	A	130	102
NXW2500FE	2500	B	180	168
NXW3200FE	3200	B	240	172
NXW4000FE	4000	B	260	175
NXW5000FE	5000	C	300	190

NAXSOSANPW/ICH



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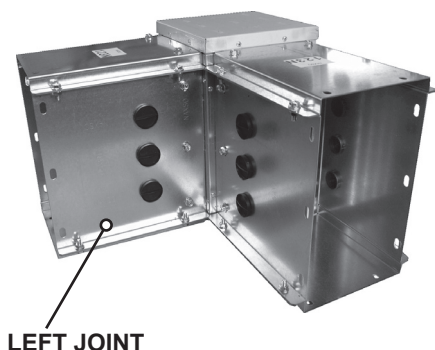
NXWCDD



COD.	AMP.	H1/H2/H3	Dm ³	Kg
NXWCDD800	800	H1	35	30
NXWCDD1000	1000	H1	35	30
NXWCDD1250	1250	H1	35	30
NXWCDD1600	1600	H1	35	30
NXWCDD2000	2000	H1	35	30
NXWCDD2500	2500	H2	40	50
NXWCDD3200	3200	H2	40	50
NXWCDD4000	4000	H2	40	50
NXWCDD5000	5000	H3	50	66

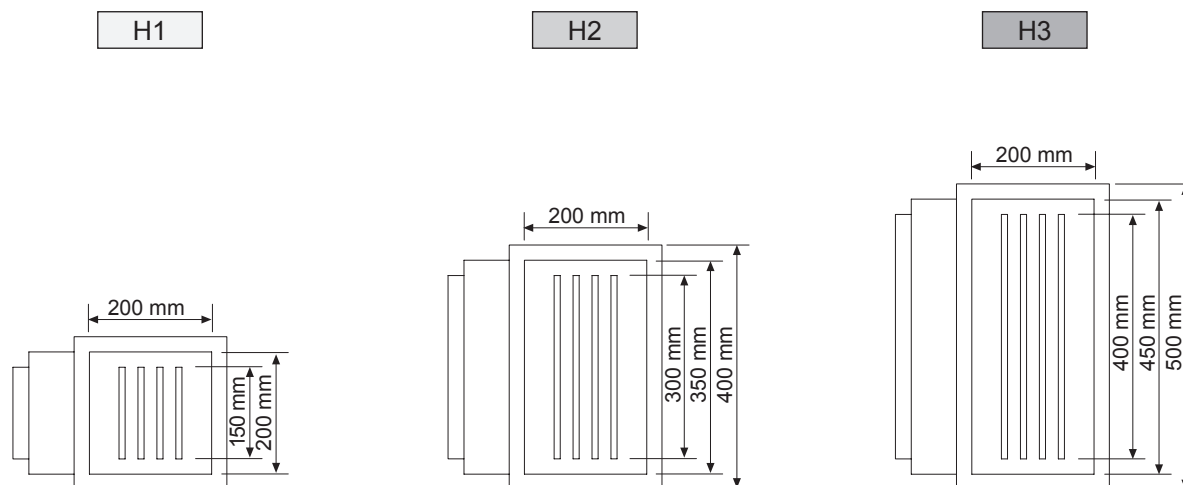
TOP INSIDE ELBOW RIGHT JOINT

NXWCDS

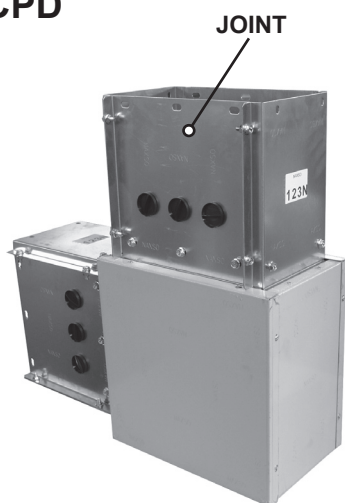


COD.	AMP.	H1/H2/H3	Dm ³	Kg
NXWCDS800	800	H1	35	30
NXWCDS1000	1000	H1	35	30
NXWCDS1250	1250	H1	35	30
NXWCDS1600	1600	H1	35	30
NXWCDS2000	2000	H1	35	30
NXWCDS2500	2500	H2	40	50
NXWCDS3200	3200	H2	40	50
NXWCDS4000	4000	H2	40	50
NXWCDS5000	5000	H3	50	66

TOP OUTSIDE ELBOW LEFT JOINT



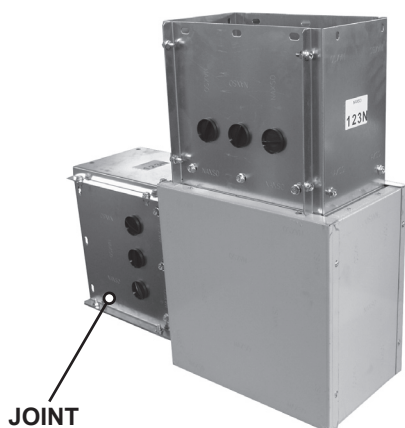
NXWCPD



COD.	AMP.	H1/H2/H3	Dm ³	Kg
NXWCPD800	800	H1	35	30
NXWCPD1000	1000	H1	35	30
NXWCPD1250	1250	H1	35	30
NXWCPD1600	1600	H1	35	30
NXWCPD2000	2000	H1	35	30
NXWCPD2500	2500	H2	40	50
NXWCPD3200	3200	H2	40	50
NXWCPD4000	4000	H2	40	50
NXWCPD5000	5000	H3	50	66

FRONT INSIDE ELBOW

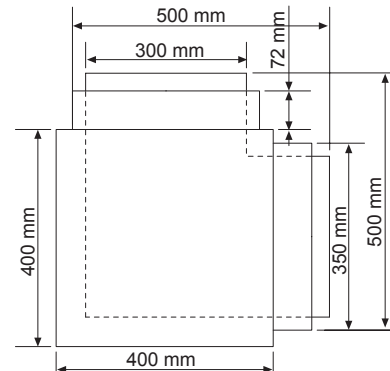
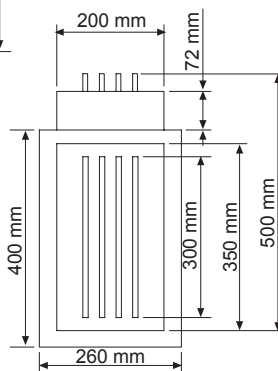
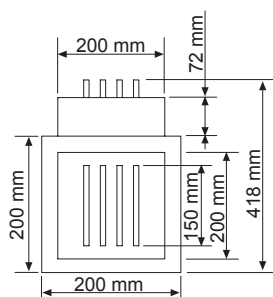
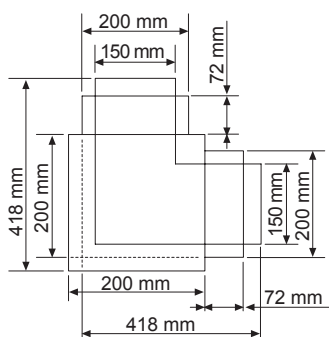
NXWCPS



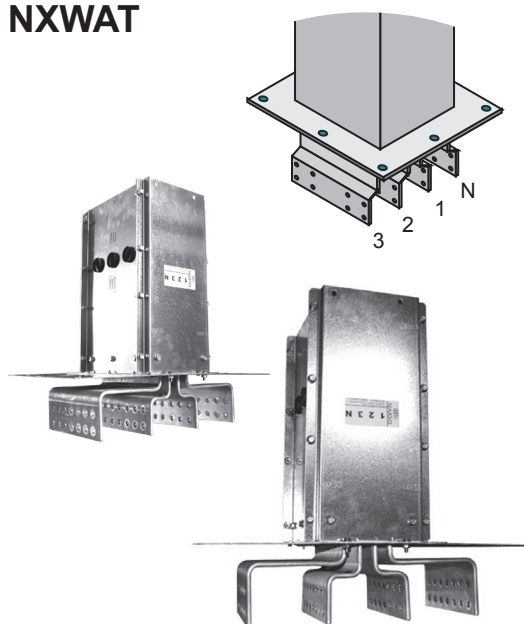
COD.	AMP.	H1/H2/H3	Dm ³	Kg
NXWCPS800	800	H1	35	30
NXWCPS1000	1000	H1	35	30
NXWCPS1250	1250	H1	35	30
NXWCPS1600	1600	H1	35	30
NXWCPS2000	2000	H1	35	30
NXWCPS2500	2500	H2	40	50
NXWCPS3200	3200	H2	40	50
NXWCPS4000	4000	H2	40	50
NXWCPS5000	5000	H3	66	66

FRONT OUTSIDE ELBOW

NAXSOSANPWICH

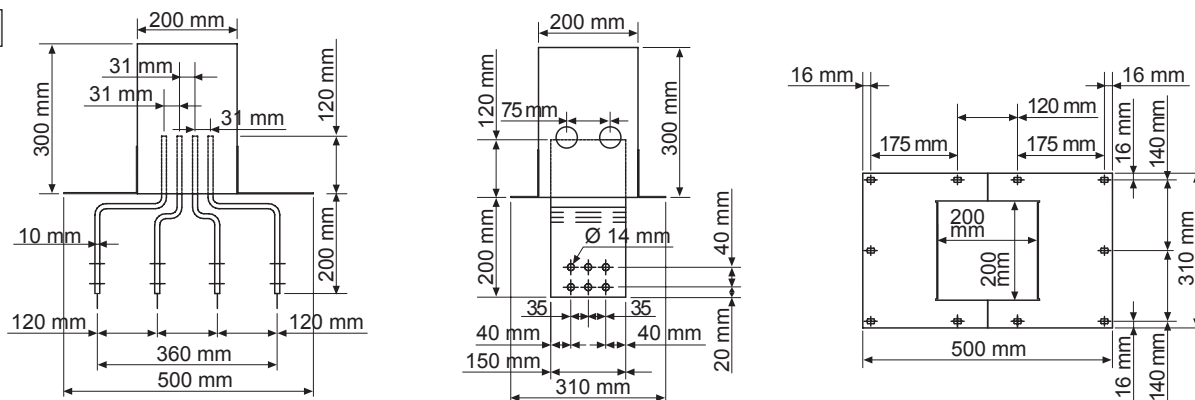


NXWAT

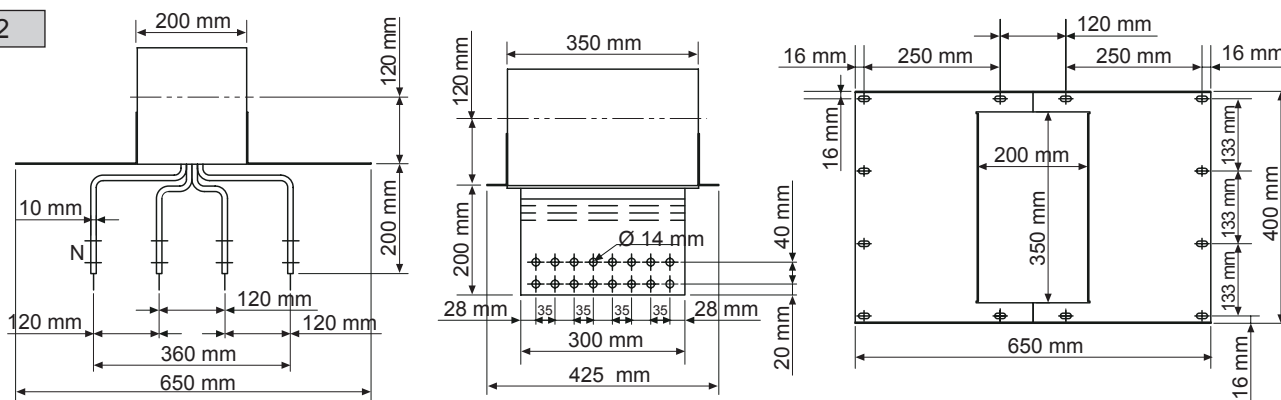


COD.	AMP.	h. H1/H2/H3	Dm ³	Kg
NXWAT800	800	H1	78	10
NXWAT1000	1000	H1	78	10
NXWAT1250	1250	H1	78	10
NXWAT1600	1600	H1	78	10
NXWAT2000	2000	H1	78	10
NXWAT2500	2500	H2	137	20
NXWAT3200	3200	H2	137	20
NXWAT4000	4000	H2	137	20
NXWAT5000	5000	H3	185	24

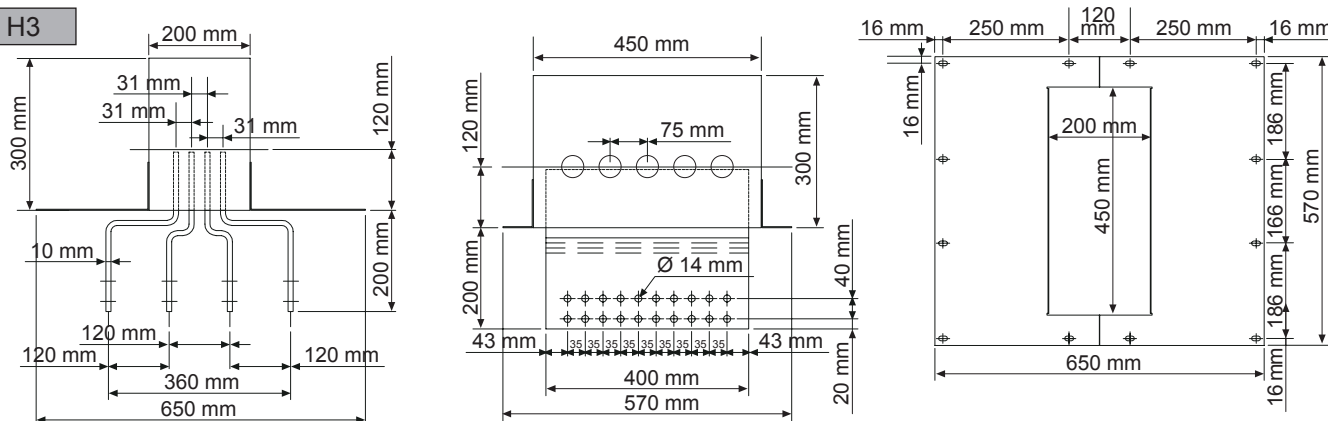
H1



H2

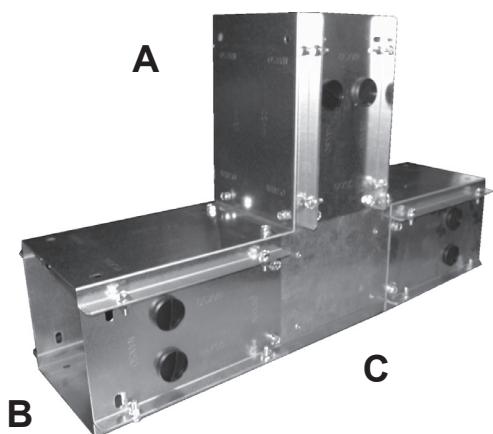


H3



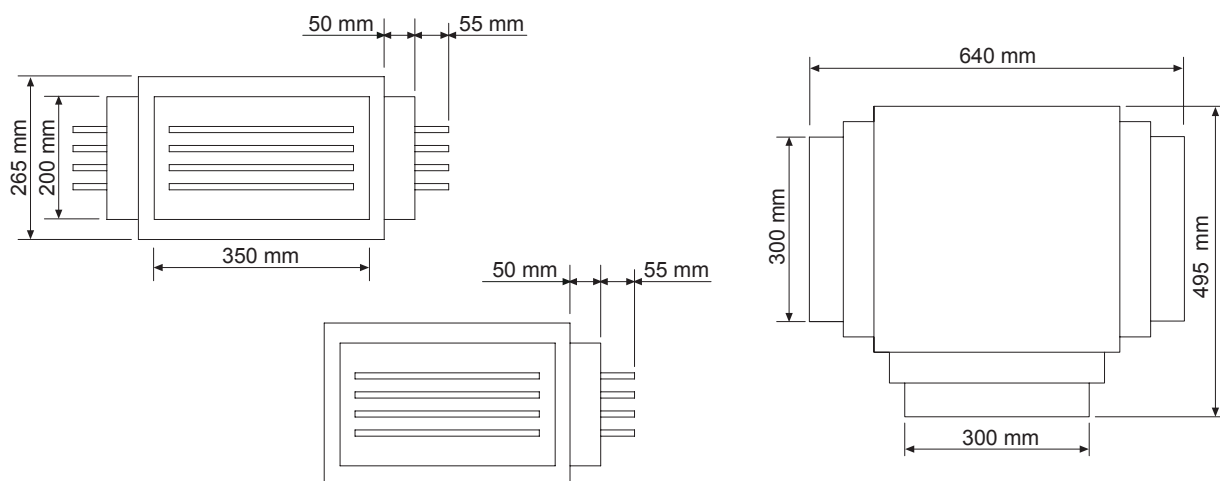
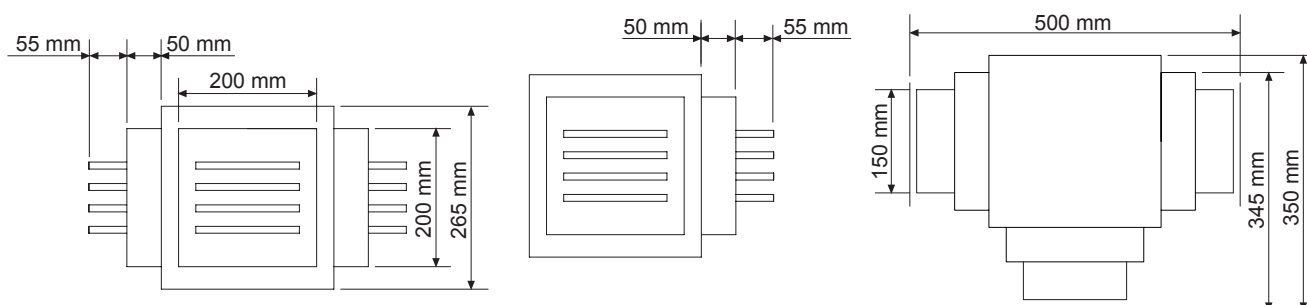
EN 60439-1-2

NXWT



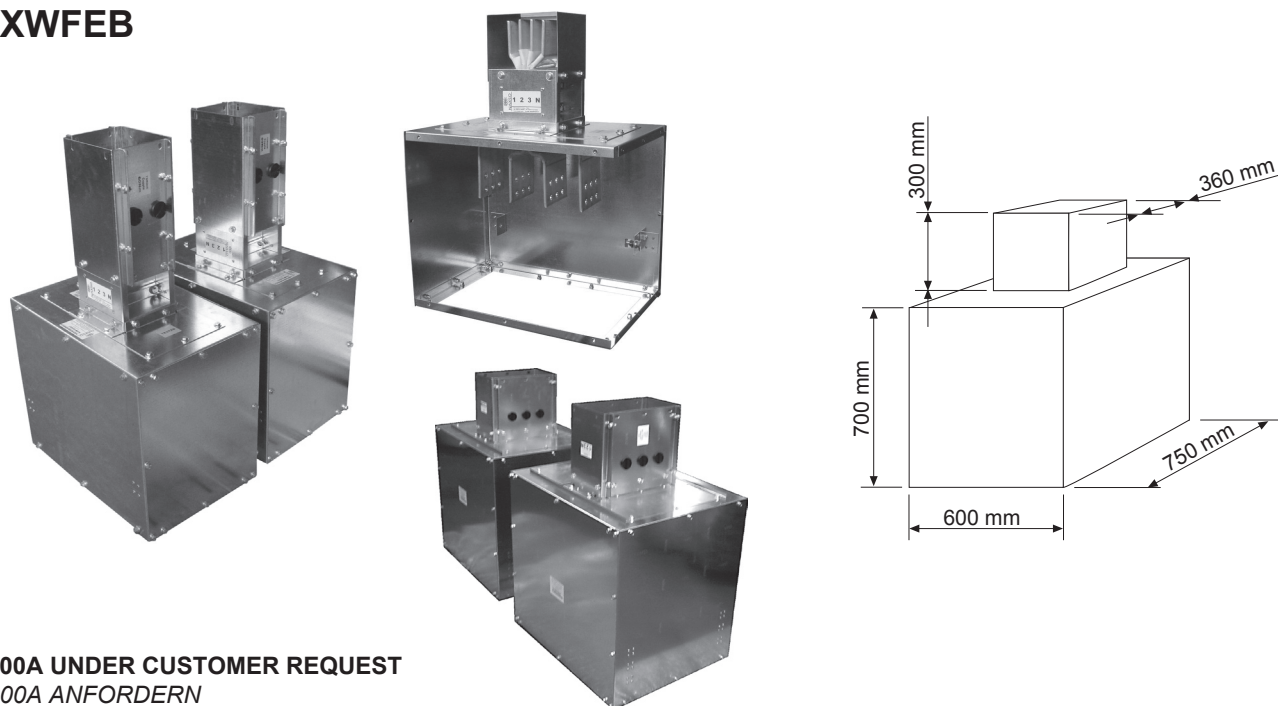
COD.	AMP.	h. H1/H2/H3	Dm ³	Kg
NXWT800	800	H1	120	28
NXWT1000	1000	H1	120	40
NXWT1250	1250	H1	120	40
NXWT1600	1600	H1	140	56
NXWT2000	2000	H1	160	75
NXWT2500	2500	H2	180	85
NXWT3200	3200	H2	240	120
NXWT4000	4000	H2	260	150
NXWT5000	5000	H3	--	--

TEES



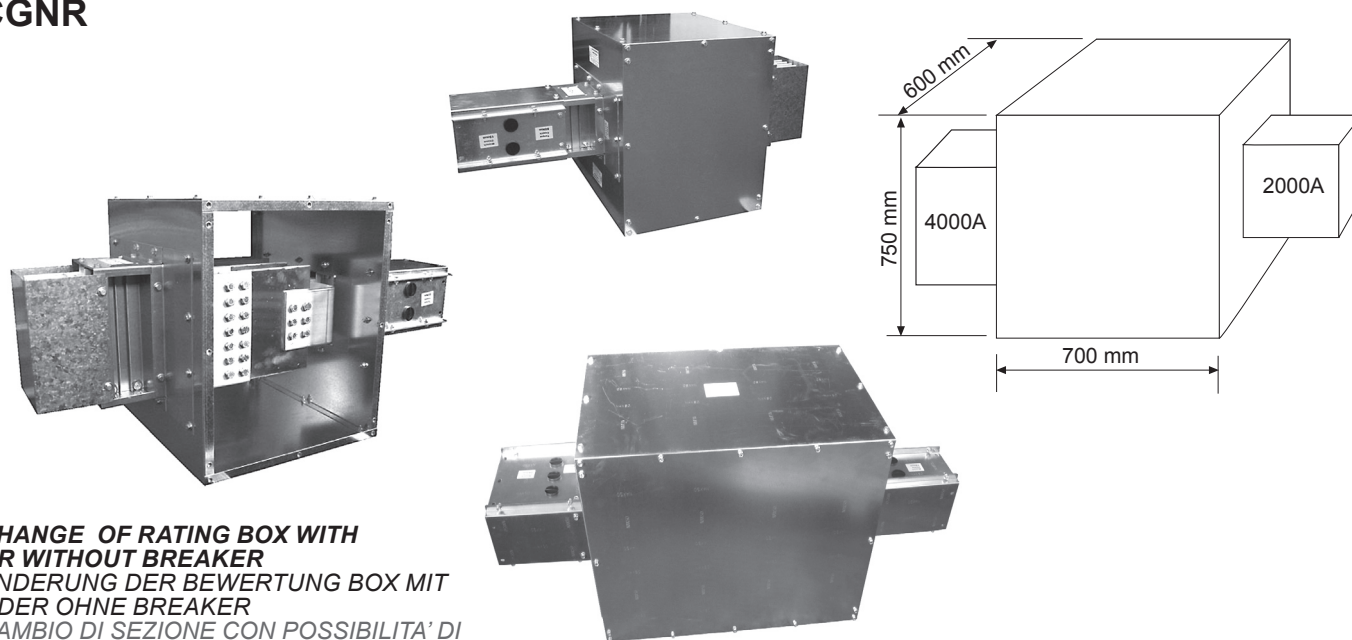
EN 60439-1-2

NXWFEB



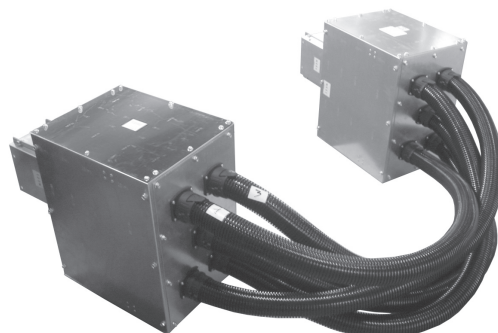
5000A UNDER CUSTOMER REQUEST
5000A ANFORDERN
5000A SU RICHIESTA

CGNR

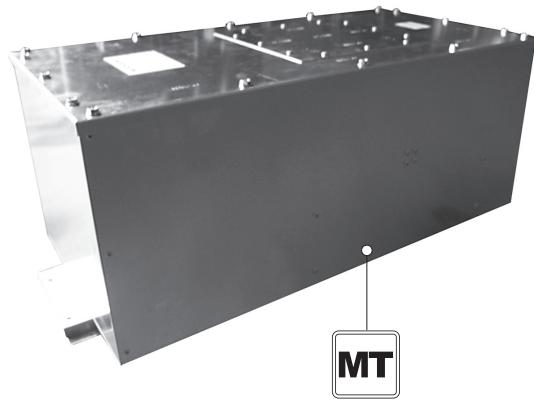


**CHANGE OF RATING BOX WITH
OR WITHOUT BREAKER**
ÄNDERUNG DER BEWERTUNG BOX MIT
ODER OHNE BREAKER
CAMBIO DI SEZIONE CON POSSIBILITA' DI
INSTALLAZIONE SEZIONATORE

FLXSAND2000



*** FOX F / MCCB JOINT POINT PLUG-IN 630 / 800 / 1000 / 1250A**





3P+N+PE


AMP 630 - 800 - 1000 - 1250A

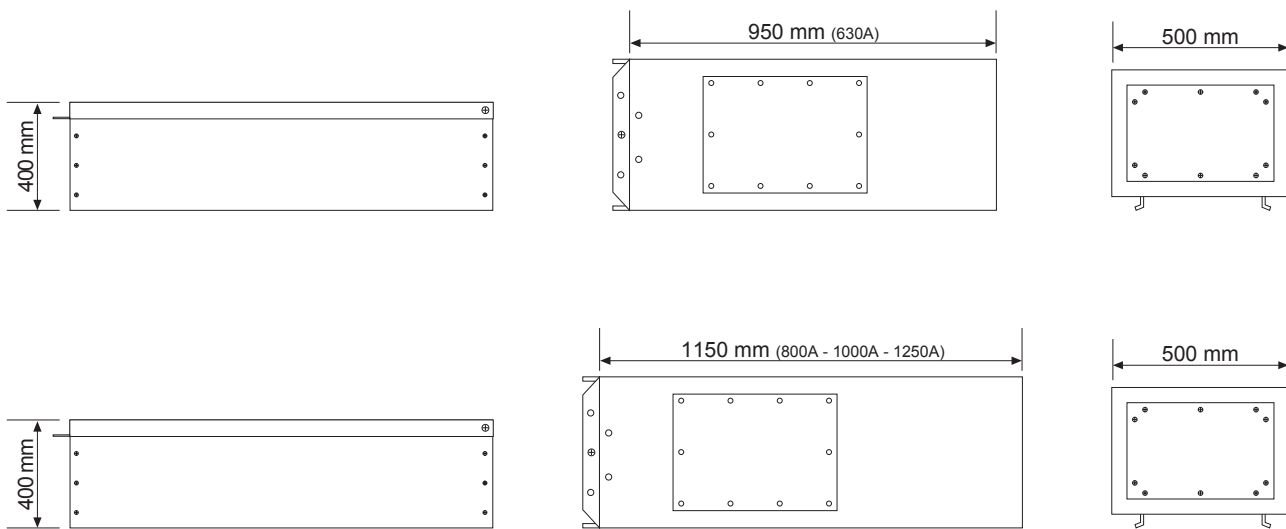
IP 55

 39,000 (630)

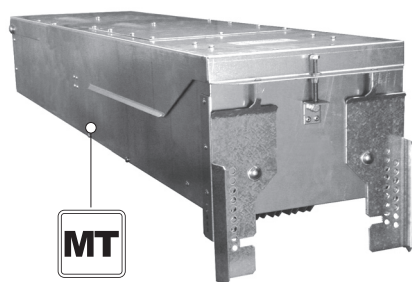
 48,000 (800-1000 - 1250)

 200,00 Dm³ (630)

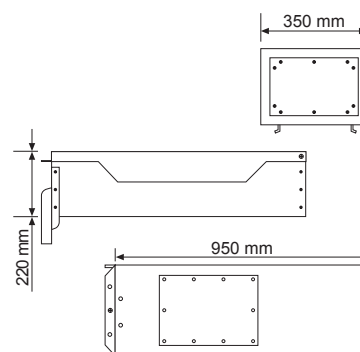
 300,00 Dm³ (800-1000 - 1250)



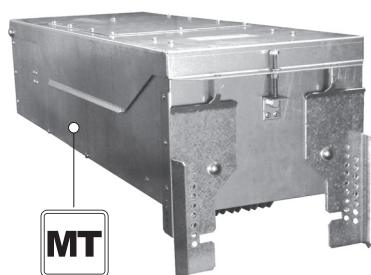
FOX PLUG-IN 400F



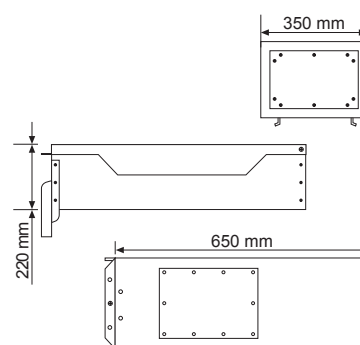
3P+N+PE
AMP 400A
IP 41 - 55
 32,000
 105,00 Dm³



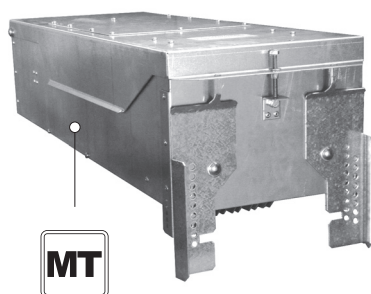
FOX PLUG-IN 250F



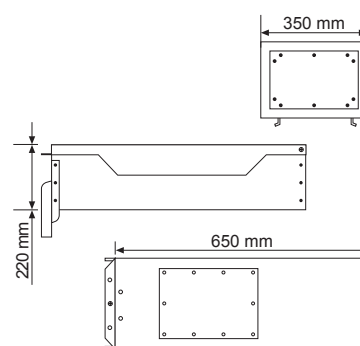
3P+N+PE
AMP 250A
IP 55
 27,000
 60,00 Dm³



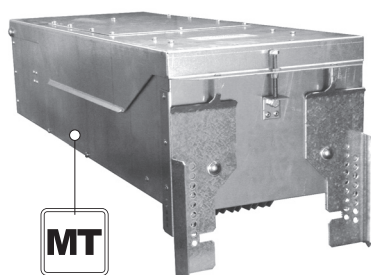
FOX PLUG-IN 160F



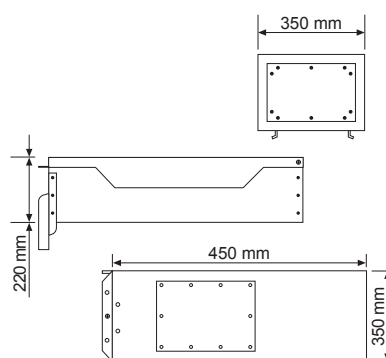
3P+N+PE
AMP 160A
IP 55
 22,000
 60,00 Dm³



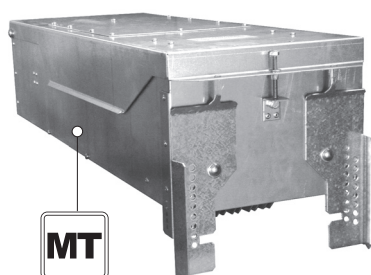
FOX PLUG-IN 100F



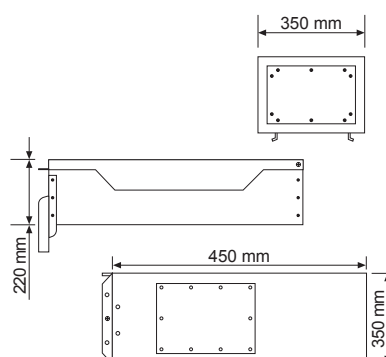
3P+N+PE
AMP 100A
IP 55
 17,000
 40,00 Dm³



FOX PLUG-IN 50F

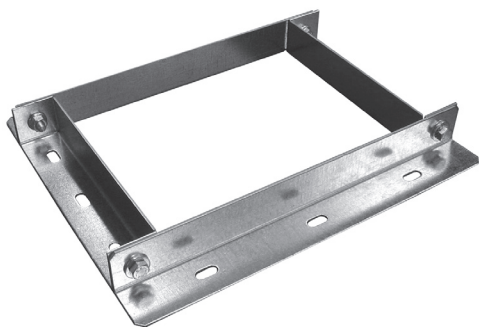


3P+N+PE
AMP 50A
IP 55
 12,000
 40,00 Dm³



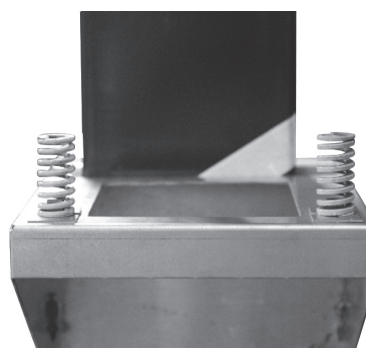
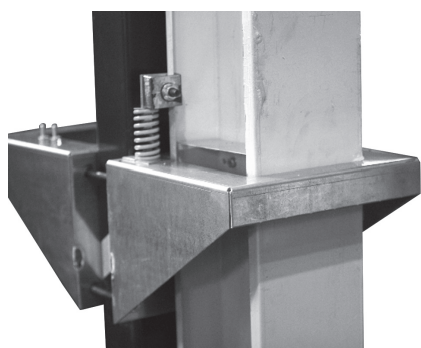
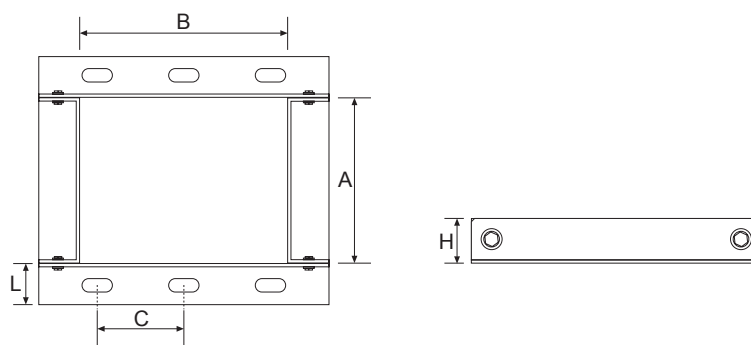
EN 60439-1-2

NXWATST



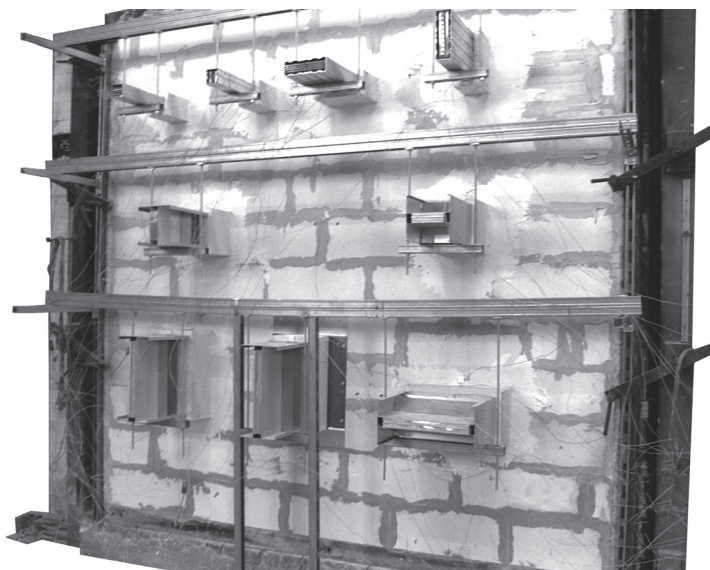
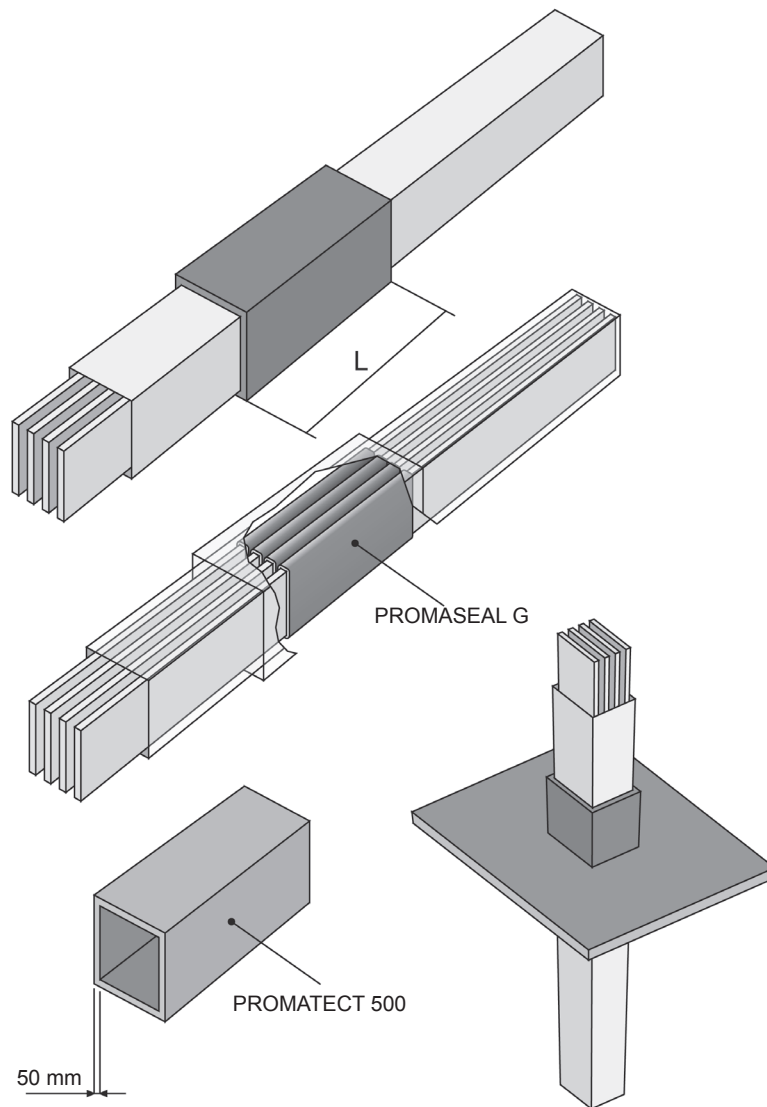
COD.	AMP.	A x B	Kg
NXWATST1250	1250	200 x 125	1,0
NXWATST1600	1600	200 x 125	1,0
NXWATST2000	2000	200 x 175	1,0
NXWATST2500	2500	200 x 195	1,5
NXWATST3200	3200	200 x 251	1,5
NXWATST4000	4000	200 x 315	1,5
NXWATST5000	5000	200 x 470	3,0

C = 75 - H = 50 - L = 50



SPECIAL BRACKET FOR RISER EXPANSION INSTALLATION CUSTOM MADE TO FIT VERTICAL AREAS
STAFFA SPECIALE AD ASSORBIMENTO DILATAZIONI PER INSTALLAZIONI IN CAVEDI VERTICALI

FIRE BARRIER / FEUER BARIÉR BARRIERA TAGLIAFUOCO



Fire barrier test
Feuer barrier test
Test barriera tagliafuoco

EN 60439-1-2

NAXSOPOWER BPG - NXW

Rated Current	I_n [A]	800	1250	1600	2000	2500	3200	4000	5000
Dimensions	mm	185X160	185X160	185X160	185X160	185X160	185X160	185X160	185X160
Number of conductors/section	mm*	1x700	1x820	1x1300	1x1500	1x2000	1x2700	1x3000	2x2000
Rated operational voltage	U_e [V]	1000	1000	1000	1000	1000	1000	1000	1000
Rated insulation voltage	U_i [V]	1000	1000	1000	1000	1000	1000	1000	1000
Frequency	f [Hz]	50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60
Rated short time withstand current (1s)	I_{cw} [kA] _{RMS}	50	50	70	70	70	70	70	70
Peak Current	I_{ck} [kA]	105	105	154	154	154	154	154	154
Phase resistance at 20° C	R_{20} [mΩ/m]	0,047	0,041	0,028	0,026	0,018	0,014	0,012	0,011
Phase reactance (50Hz)	X_1 [mΩ/m]	0,035	0,020	0,015	0,013	0,010	0,009	0,007	0,005
Phase impedance	Z_1 [mΩ/m]	0,075	0,067	0,064	0,060	0,041	0,032	0,028	0,025
Phase resistance at thermal conditions	R_1 [mΩ/m]	0,066	0,048	0,039	0,028	0,025	0,018	0,012	0,010
Pe resistance	R_{PE} [mΩ/m]	0,051	0,051	0,018	0,013	0,013	0,013	0,013	0,013
Fault loop resistance phase/N	R_{FN} [mΩ/m]	0,099	0,086	0,059	0,055	0,038	0,029	0,025	0,023
Fault loop reactance phase/N	X_{FN} [mΩ/m]	0,154	0,128	0,117	0,108	0,075	0,058	0,051	0,046
Fault loop impedance phase/N	Z_{FN} [mΩ/m]	0,183	0,154	0,131	0,121	0,084	0,065	0,059	0,051
Fault loop resistance phase/PE	R_{FPE} [mΩ/m]	0,070	0,064	0,051	0,043	0,034	0,030	0,028	0,026
Fault loop reactance phase/PE	X_{FPE} [mΩ/m]	0,102	0,102	0,100	0,085	0,068	0,059	0,055	0,052
Fault loop impedance phase/PE	Z_{FPE} [mΩ/m]	0,124	0,120	0,112	0,095	0,076	0,066	0,063	0,059
Voltage Drop with distributed load	ΔV [V/m/A] 10-3 cos φ = 0,70	0,062	0,056	0,052	0,047	0,033	0,026	0,023	0,020
	ΔV [V/m/A] 10-3 cos φ = 0,75	0,063	0,057	0,050	0,046	0,032	0,025	0,021	0,020
	ΔV [V/m/A] 10-3 cos φ = 0,80	0,064	0,058	0,048	0,045	0,031	0,024	0,022	0,019
	ΔV [V/m/A] 10-3 cos φ = 0,85	0,100	0,058	0,046	0,042	0,030	0,010	0,015	0,018
	ΔV [V/m/A] 10-3 cos φ = 0,90	0,064	0,058	0,043	0,040	0,028	0,021	0,019	0,017
	ΔV [V/m/A] 10-3 cos φ = 0,95	0,064	0,057	0,038	0,044	0,025	0,019	0,016	0,015
	ΔV [V/m/A] 10-3 cos φ = 0,100	0,057	0,050	0,024	0,023	0,016	0,012	0,011	0,010
Weight	ρ [kg/m]	10	15	24	29	32	42	49	54
Degree of protection	IP	41/55	41/55	41/55	41/55	41/55	41/55	41/55	41/55
Losses for the joule effect at rated current	P [W/m]	126	225	300	336	470	550	576	750
Temperature range		-5°+40°	-5°+40°	-5°+40°	-5°+40°	-5°+40°	-5°+40°	-5°+40°	-5°+40°
Number of Joint bolts 12 MA		1	1	2	2	3	3	3	6
Insulation materials of the joint	POLIAMMIDE V0 FILLED FIBER GLASS 30 % TEMPERATURE > 200 CELSIOUS								
Conductors insulation	NOMEK DMAC TEMPERATURE > 230 CELSIOUS								
Windows when plug in	POLIAMMIDE V0 FILLED FIBER GLASS 30 % TEMPERATURE > 200 CELSIOUS								
Sandwich busbar housing	GALVANIZED SENDZIMIR 270 GR STEEL 2 MM THICK								
ALL THESE PRODUCTS ARE COMPLIANCE TO STANDARDS IEC 60439 -1 and 2									
ALL THESE PRODUCTS HAVE BEEN CERTIFIED AT IMQ INSTITUTE IN MILAN									

* Bars made with super conductivity alloy L 1050

NAXSOPOWER BPG - NXW

Bemessungsstrom	I_n [A]	800	1250	1600	2000	2500	3200	4000	5000
Abmessungen	mm	185X160	185X160	185X160	185X160	185X160	185X160	185X160	185X160
Anzahl der Leiter/Querschnitt	mm*	1x700	1x820	1x1300	1x1500	1x2000	1x2700	1x3000	2x2000
Bemessungsbetriebsspannung	U_e [V]	1000	1000	1000	1000	1000	1000	1000	1000
Bemessungsisolationsspannung	U_i [V]	1000	1000	1000	1000	1000	1000	1000	1000
Nennfrequenz	f [Hz]	50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60
Bemessungskurzzeitstromfestigkeit (1s)	I_{cw} [kA] _{RMS}	50	50	70	70	70	70	70	70
Bemessungsstossstromfestigkeit	I_{pk} [kA]	105	105	154	154	154	154	154	154
Wirkwiderstand bei 20°C	R_{20} [mΩ/m]	0,047	0,041	0,028	0,026	0,018	0,014	0,012	0,011
Blindwiderstand bei (50Hz)	X_1 [mΩ/m]	0,035	0,020	0,015	0,013	0,010	0,009	0,007	0,005
Scheinwiderstand Phase	Z_1 [mΩ/m]	0,075	0,067	0,064	0,060	0,041	0,032	0,028	0,025
Wirkwiderstand Phasen bei Enderwärmung	R_1 [mΩ/m]	0,066	0,048	0,039	0,028	0,025	0,018	0,012	0,010
PE Widerstand	R_{PE} [mΩ/m]	0,051	0,051	0,018	0,013	0,013	0,013	0,013	0,013
Wirkwiderstand im Fehlerfall / N	R_{FN} [mΩ/m]	0,099	0,086	0,059	0,055	0,038	0,029	0,025	0,023
Blindwiderstand im Fehlerfall / N	X_{FN} [mΩ/m]	0,154	0,128	0,117	0,108	0,075	0,058	0,051	0,046
Scheinwiderstand im Fehlerfall / N	Z_{FN} [mΩ/m]	0,183	0,154	0,131	0,121	0,084	0,065	0,059	0,051
Wirkwiderstand im Fehlerfall / PE	R_{FPE} [mΩ/m]	0,070	0,064	0,051	0,043	0,034	0,030	0,028	0,026
Blindwiderstand im Fehlerfall / PE	X_{FPE} [mΩ/m]	0,102	0,102	0,100	0,085	0,068	0,059	0,055	0,052
Scheinwiderstand im Fehlerfall / PE	Z_{FPE} [mΩ/m]	0,124	0,120	0,112	0,095	0,076	0,066	0,063	0,059
Spannungsabfall bei gleichmässiger Last	ΔV [V/m/A] 10-3 $\cos \varphi = 0,70$	0,062	0,056	0,052	0,047	0,033	0,026	0,023	0,020
	ΔV [V/m/A] 10-3 $\cos \varphi = 0,75$	0,063	0,057	0,050	0,046	0,032	0,025	0,021	0,020
	ΔV [V/m/A] 10-3 $\cos \varphi = 0,80$	0,064	0,058	0,048	0,045	0,031	0,024	0,022	0,019
	ΔV [V/m/A] 10-3 $\cos \varphi = 0,85$	0,100	0,058	0,046	0,042	0,030	0,010	0,015	0,018
	ΔV [V/m/A] 10-3 $\cos \varphi = 0,90$	0,064	0,058	0,043	0,040	0,028	0,021	0,019	0,017
	ΔV [V/m/A] 10-3 $\cos \varphi = 0,95$	0,064	0,057	0,038	0,044	0,025	0,019	0,016	0,015
	ΔV [V/m/A] 10-3 $\cos \varphi = 0,100$	0,057	0,050	0,024	0,023	0,016	0,012	0,011	0,010
Gewicht	p [kg/m]	10	15	24	29	32	42	49	54
Schutzart	IP	41/55	41/55	41/55	41/55	41/55	41/55	41/55	41/55
Verlustleistung	P [W/m]	126	225	300	336	470	550	576	750
Betriebstemperaturbereich		-5°+40°	-5°+40°	-5°+40°	-5°+40°	-5°+40°	-5°+40°	-5°+40°	-5°+40°
Anzahl Verbindungsbolzen M12		1	1	2	2	3	3	3	6
Isolationsmaterial der Verbindung	POLIAMID V0 MIT 30% FIBERGLASS TEMPERATUR > 200° C								
Schienenisolation	NOMEK DMAC TEMPERATUR > 230 ° C								
Abgangsfester	POLIAMID V0 MIT 30% FIBERGLASS TEMPERATUR > 200° C								
SANDWICH Gehaeuse	STAHLBLECH 2 MM GALVANISCH VERZINKT BEI 270 ° C								
ALLE PRODUKTE ENTSPRECHEN DER NORM DIN IEC 60439 -1 und 2									
ALLE PRUDUKTE ENTSPRECHEN DEN QUALITÄTSSTANDART IMQ-Milano									

* Stromschienen mit verbesserter Leitfähigkeit durch Legierung L 1050

MATERIAL		<div style="border: 1px solid black; padding: 2px; display: inline-block;">TAB A</div> POLIAMMIDE PA 66		
lused : 25/02/2003				
PROPERTY / Eigenschaft	STANDARD	UNIT / Einheit	VALUE / Wert	TEST CONDITIONS Test- Bedingungen
Mechanical Properties / Mechanische Eigenschaften				
TENSILE MODULUS Streckdehnung	ISO 527-2/1 A	MPa	9100	DAM Test speed / Testgeschwindigkeit 1 mm/min
STRESS AT BREAK Bruchspannung	ISO 527-2/1 A	MPa	125	DAM Test speed / Testgeschwindigkeit 1 mm/min
STRAIN AT BREAK Bruchdehnung	ISO 527-2/1 A	%	2.15	DAM Test speed / Testgeschwindigkeit 1 mm/min
FLEXURAL MODULUS Biegeeigenschaften	ISO 178 1 A	MPa	7800	DAM Test speed / Testgeschwindigkeit 1 mm/min
FLEXURAL STRENGTH Biegefestigkeit	ISO 178 1 A	MPa	185	DAM Test speed / Testgeschwindigkeit 1 mm/min
CHARPY IMPACT STRENGTH Charpy-Schlagzähigkeit	ISO 179 eU	KJ/m ²	50	DAM
CHARPY NOTCHED IMPACT STRENGTH Charpy-Kerbschlagzähigkeit	ISO 179 eA	KJ/m ²		DAM
TRACKING RESISTANCE Kriechwiderstand	IEC 112 sol A IEC 112 sol B	V V		
Thermal Properties / Thermische Eigenschaften				
MELTING TEMPERATURE Schmelztemperatur	ISO 3146/C2	°C	260	Scanning rate / Anstiegsrate 10°C/min
TEMPERATURE OF DEFLECTION UNDER LOAD Formbeständigkeits-Temperatur	ISO 75-2/1Af	°C	230	Max surface stress max Oberflaechen Spannung 1.8 MPa
VICAT SOFTENING TEMPERATURE VICAT - Erweichungstemperatur	ISO 306/B50	°C	240	Load 50N Heating rate / Heizleistung 50°C/h
Fair Behaviour / Flammverhalten				
FLAMMABILITY Entflammbarkeit	UL 94	mm/class	0.8/V-0*	
GLOW WIRE FLAMMABILITY INDEX Gluehdraht entflamm Index	CEI 695-2-1/2	mm/°C	1.6/960	Conditioned 48h Standard atmosphere Angepasst 48h Standard Atmosphäre
Other Properties / Andere Eigenschaften				
DENSITY / Dichte	ISO 3146	Kg/m ³	1470	

TAB
B

PROPERTIES POLIPROPILENE/Eigenschaften Polypropylen	VARIE	NORM. ASTM	DIN	ISO		UNIT Einheit
OXIGEN INDEX / Sauerstoff Index	-	D 2863	-	-	30	%
GLOW WIRE TEST / Gluehdraht Prüfung	IEO 695 2-1	VDE 0471 2-1	-	-	960	°C
NEEDLE FLAME TEST / Nadel Flamm Prüfung	IEO 695 2-2	-	-	-	YES	-
FLAME RESISTANCE / Flamm Widerstand	CSA C 22-2	-	-	-	-	-
Electrical / Elektrotechnik						
VOLUME RESISTIVITY / Volumen Festigkeit	-	D 257	53482	-	-	Ohm . cm
SURFACE RESISTIVITY / Oberflächen Festigkeit	-	D 257	53482	-	-	Ohm
DIELECTRIC STRENGHT / Elektrische Durchschlagfestigkeit	-	D 149	-	-	-	KV/mm
TRACKING RESISTANCE / Kriechwiderstand	ICE 112 sol A ICE 112 sol B	- -	- -	- -	> 600 > 600 M	V V
Thermal / Thermisch						
OPERATING TEMPERATURE LIMIT 20000 H/SHORT TIME Temperatur Grenze 20000h / Kurzzeit	ICE 216	-	-	-	100	°C
THERMAL COEFF. OF LINEAR EXPANSION Thermischer Koeffizient bei linearer Ausdehnung	-	D 696	53752	-	6.10 - 5	K . 1
VICAT SOFTENING POINT 9,8 N / 49 N VICAT - Erweichungspunkt 9,8 N / 49 N	- -	D 1525 D 1525	53460 53460	R 306 R 306	150 107	°C °C
HEAT DISTORTION TEMPERATURE 0,45 MN/m2 1,81 MN/m2 Hitzeverzerrungstemperatur 0,45 MN/m2/1,81 MN/m2	- -	D 648 D 648	53461 53461	R 75 R 75	135 80	°C °C
BALL PENETRATION TEST / Kugeldurchdringungspruefung	ICE 335 ICE 335	- -	- -	- -	YES NO	125 °C 165 °C
Mechanical / Mechanisch						
TENSILE STRENGHT AT YIELD / Streckausbeute	-	D 638	53455	R 527	29	N/mm ²
ELONGATION AT YIELD / Verlaengerungsausbeute	-	D 638	53455	R 527	10	%
FLEXURAL MODULUS / Biegemodul		D 790	53457	R 178	3000	N/mm ²
FLEXURAL STRNGHT / Biegezaehigkeit	-	D 790	-	R 178	50	N/mm ²
NOTCHED IMPACT STRENGHT IZOD Kerbschlagszaehigkeit nach IZO D	-	D256	-	R 180	3	KJ/mm ²
NOTCHED IMPACT STRENGHT CHARPY Chrapy-Kerbschlagzaehigkeit	-	-	53453	R 179	-	KJ/mm ²
Physical / Physikalisch						
DENSITY / Dichte	-	-	53479	R 1183	1,4	g/cc
LINEAR MOULD SHRINKAGE / Lineare Formschrumpfung	-	-	-	-	1,2	%
WATER ABSORPTION / Wasser Aufnahme	-	-	-	-	2/100	%

TAB
C

TECHNICAL DATA SHEET Technische Daten		RIGID PVC			
TEST	TEST METHOD Test Methode	TEST CONDITION Pruefbedingungen	UNIT OF MEASURE Einheit der Messung	TYPICAL VALUE Typischer Wert	
SPECIFIC GRAVITY / Spezifisches Gewicht	ISO 1183	23°C	Kg/dm ³	1.55	
HARDNESS / Haerte / Festigkeit	ISO 868	23°C	Shore D	78	
VICAT TEMPERATURE / Vicat - Temperatur	ISO 306	5 KG	°C	85	
ULTIMATE TENSILE STRENGTH Entgueltige Streckdehnung	ISO 527	23°C	N/mm ²	30	
ELONGATION AT BREAK / Ausdehnung am Bruch	ISO 527	23°C	%	100	
IZO D	ISO 180	23°C	J/m	65	
FLAME RESISTANCE / Flamm Widerstand	UL 94	-	Class	VO	

EN AW-AIMgSi UNI EN 573-3 (6060)

COMPOSIZIONE CHIMICA PERCENTUALE									
Mg	Si	Fe	Ti	Cu	Cr	Mn	Zn	Altri elementi max	Al
0,35-0,60	0,30-0,60	0,10-0,30	0,10	0,10	0,05	0,10	0,15	0,05-0,15	97,9
CARATTERISTICHE PRINCIPALI									
Estrudibilità eccellente. Lega di media durezza adatta per estrusi difficili. Alta resistenza alla corrosione. Buona formabilità allo stato TaN. Buona finitura superficiale. Saldabilità buona.									
USI TIPICI									
Applicazioni architettoniche e decorative. Profili per serramenti. Industria chimica.									
CARATTERISTICHE FISICHE E GENERALI									
Peso specifico	2,7 kg/dm ³		Calore specifico 0 -100 °C		≈ 0,92 J (g.k)				
Modulo di elasticità	66000 N/mm ²		Coeff. di dilatazione						
Modulo di rigidità	26500 N/mm ²		teorico lineare 20 -100 °C		23 x 10 ⁻⁶ x K ⁻¹				
Punto di fusione	605 °C		Conduktività termica 20 °C		≈ 1,75 W (cm x k)				
			Resistance a 20 °C (T6)		≈ 3,25 μ Ω x cm				
Lega EN AW-6060 (Al MgSi)									
BARRA ESTRUSA			CARICO DI ROTTURA A TRAZIONE		CARICO AL LIMITE DI SNERVAMENTO		ALLUNGAMENTO		
Stato metallurgico	Dimensioni mm		R _m MPa		R _{p0,2} MPa		A %	A _{50 mm} %	
	D ¹⁾	S ²⁾	min	max	min	max	min	min	
T4 ⁵⁾	≤ 150	≤ 150	120	-	60	-	16	14	
T5	≤ 150	≤ 150	160	-	120	-	8	6	
T6 ⁵⁾	≤ 150	≤ 150	190	-	150	-	8	6	
TUBO ESTRUSO			CARICO DI ROTTURA A TRAZIONE		CARICO AL LIMITE DI SNERVAMENTO		ALLUNGAMENTO		
Stato metallurgico	Dimensioni mm e ³⁾		R _m MPa		R _{p0,2} MPa		A %	A _{50 mm} %	
			min	max	min	max	min	min	
T4 ⁵⁾	≤ 15		120	-	60	-	16	14	
T5	≤ 15		160	-	120	-	8	6	
T6 ⁵⁾	≤ 15		190	-	150	-	8	6	
PROFILATO ESTRUSO ¹⁰⁾			CARICO DI ROTTURA A TRAZIONE		CARICO AL LIMITE DI SNERVAMENTO		ALLUNGAMENTO		
Stato metallurgico	Dimensioni mm e ³⁾		R _m MPa		R _{p0,2} MPa		A %	A _{50 mm} %	
			min	max	min	max	min	min	
T4 ⁵⁾	≤ 25		120	-	60	-	16	14	
	≤ 5		160	-	120	-	8	6	
T5	5 < e ≤ 25		140	-	100	-	8	6	
	≤ 3		190	-	150	-	8	6	
T6 ⁵⁾	3 < e ≤ 25		170	-	140	-	8	6	

EN AW-A199.5 UNI EN 573-3 (1050A)

COMPOSIZIONE CHIMICA PERCENTUALE								
Si	Fe	Cu	Mn	Mg	Zn	Ti	Altre impurità ciascuna	Al
0,25	0,4	0,05	0,05	0,05	0,07	0,05	0,03	99,5
CARATTERISTICHE PRINCIPALI								
Eccellente resistenza alla corrosione. Eccellente conducibilità termica ed elettrica. Alta duttilità. Buona lucidità. Eccellente saldabilità. Eccellente anodizzazione e lavorazione plastica a freddo.								
USI TIPICI								
Attrezzi e contenitori alimentari. Industria chimica. Tubi pieghevoli. Polveri pirotecniche.								
CARATTERISTICHE FISICHE E GENERALI								
Peso specifico	2,7 kg/dm ³		Calore specifico 0 -100 °C			0,22 cal/g °C ⁻¹		
Modulo di elasticità	68600 N/mm ²		Coeff. di dilatazione					
Modulo di rigidità	26500 N/mm ²		teorico lineare 20 -100 °C			24 x 10 ⁻⁶ x K ⁻¹		
Punto di fusione	658 °C		Conducibilità termica 20 °C			0,5 cal (s x cm x °C)		
			Resistance a 20 °C (H18)			2,83 ÷ μ Ω x cm		
Lega EN AW-6060 (Al MgSi)								
BARRA ESTRUSA		CARICO DI ROTTURA A TRAZIONE		CARICO AL LIMITE DI SNERVAMENTO		ALLUNGAMENTO		
Stato metallurgico	Dimensioni mm		R _m MPa		R _{p0,2} MPa		A %	A _{50 mm} %
	D ¹⁾	S ²⁾	min	max	min	max	min	min
F ⁴⁾ , H112	tutte	tutte	60	-	20	-	25	23
O, H111	tutte	tutte	60	95	20	-	25	23
TUBO ESTRUSO		CARICO DI ROTTURA A TRAZIONE		CARICO AL LIMITE DI SNERVAMENTO		ALLUNGAMENTO		
Stato metallurgico	Dimensioni mm e ³⁾		R _m MPa		R _{p0,2} MPa		A %	A _{50 mm} %
			min	max	min	max	min	min
F ⁴⁾ , H112	tutte	tutte	60	-	20	-	25	23
O, H111	tutte	tutte	60	95	20	-	25	23
PROFILATO ESTRUSO ¹⁰⁾		CARICO DI ROTTURA A TRAZIONE		CARICO AL LIMITE DI SNERVAMENTO		ALLUNGAMENTO		
Stato metallurgico	Dimensioni mm e ³⁾		R _m MPa		R _{p0,2} MPa		A %	A _{50 mm} %
			min	max	min	max	min	min
F ⁴⁾ , H112	tutte	tutte	60	-	20	-	25	23

EN AW-AIMgSi UNI EN 573-3 (6060)

PROZENTUALER ANTEIL DER ZUSATZSTOFFE									
Mg	Si	Fe	Ti	Cu	Cr	Mn	Zn	Zusatzstoffe max	Al
0,35-0,60	0,30-0,60	0,10-0,30	0,10	0,10	0,05	0,10	0,15	0,05-0,15	97,9
CHARAKTERISTISCHE GESAMTEIGENSCHAFTEN									
<i>Gute Extrudierbarkeit. Legierung mittlerer Haerte fuer besondere Extrudierung. Erweiterte Korrosionsbestaendigkeit. Gute Formbarkeit und Festigkeit nach TaN. Gute Oberflaechen Beschaffenheit. Gute schweiss Eigenschaften.</i>									
TYPISCHE NUTZUNG / VERWENDUNG									
<i>Verwendung in Bauten und zu dekorativen Zwecken. Profile fuer gekapselten Einbau. Verwendung in der chemischen Industrie.</i>									
CHARAKTERISTISCHE PHYSIKALISCHE EIGENSCHAFTEN									
Gewicht	2,7 kg/dm ³			Spezifische Waerme 0 -100 °C			≈ 0,92 J (g.k)		
Elastizitaetsmodul (E)	66000 N/mm ²			Waermeausdehnungskoeffizient					
Festigkeitsmodul	26500 N/mm ²			Theoretische Gerade 20 -100 °C			23 x 10 ⁻⁶ x K ⁻¹		
Schmelzpunkt	605 °C			Verlustleistung bei 20 °C			≈ 1,75 W (cm x k)		
				Widerstand bei 20 °C (T6)			≈ 3,25 μ Ω x cm		
<i>Lega EN AW-6060 (Al MgSi)</i>									

EN AW-A199.5 UNI EN 573-3 (1050A)

PROZENTUALER ANTEIL DER ZUSATZSTOFFE								
Si	Fe	Cu	Mn	Mg	Zn	Ti	Altre impurità ciascuna	Al
0,25	0,4	0,05	0,05	0,05	0,07	0,05	0,03	99,5
CHARAKTERISTISCHE GESAMTEIGENSCHAFTEN								
<i>Besondere Korrosionsbestaendigkeit. Besondere thermische und elektrische Leitfaehigkeit. Hervorragende Dehnbarkeit. Besonderer Materialglanz. Sehr gute Schweisseigenschaften. Gute Eloxierbarkeit und mechanische Bearbeitung.</i>								
TYPISCHE NUTZUNG / VERWENDUNG								
<i>Verpackungen und Werkzeuge in Verbindung mit Lebensmitteln. In der chemischen Industrie. Flexible Schlaeuche und Rohrei. Bei pyrotechnischen Pulvern.</i>								
CHARAKTERISTISCHE PHYSIKALISCHE EIGENSCHAFTEN								
Gewicht	2,7 kg/dm ³			Spezifische Waerme 0 -100 °C			0,22 cal/g °C ⁻¹	
Elastizitaetsmodul (E)	68600 N/mm ²			Waermeausdehnungskoeffizient				
Festigkeitsmodul	26500 N/mm ²			Theoretische Gerade 20 -100 °C			24 x 10 ⁻⁶ x K ⁻¹	
Schmelzpunkt	658 °C			Verlustleistung bei 20 °C			0,5 cal (s x cm x °C)	
				Widerstand bei °C (H18)			2,83÷2,90 μ Ω x cm	
<i>Lega EN AW-6060 (Al MgSi)</i>								

IMQ

Test Report nr. 01FB00026/3

PRODUCT DEPARTMENT

PAGE: 1 OF 3

LABORATORY INSULATED CABLES AND ADHESIVE TAPES

DATE 2008/06/12

**MEASUREMENT OF FORCE NEEDED TO PULL OUT THE
CABLE FROM PLUG TYPE MOUSE**

Number of samples under test 3

Test operating mode

- The cable has been connected to the fix end of dinamometer while the plug to the mobile end of same apparatus.
- A traction force, with 50 mm/sec speed, is applied to the plug until the disjunction of cable occurs.

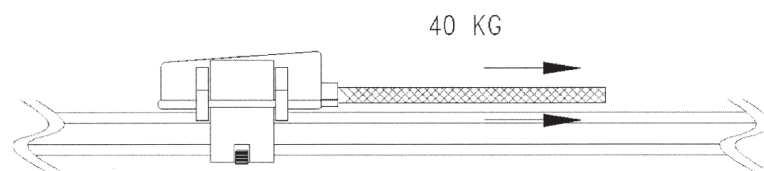
Test Apparatus

Dinamometer INSTRON type 4301 - IMQ_ID : P 00470

Test Configuration

See Figure

PULL OUT TEST

PULL THE CABLE
TRAZIONE CAVO

Test Results

The disjunction of electric cable from mouse plug has happened as soon as the force has got the value of 40 Kg

IMQ

Test Report nr. 01FB00026/3

PRODUCT DEPARTMENT

PAGE: 2 OF 3

LABORATORY INSULATED CABLES AND ADHESIVE TAPES

DATE 2008/06/12

**MEASUREMENT OF FORCE NEEDED TO PULL OUT THE
CABLE FROM RECTILINEAR BUSBAR**

Number of samples under test 3

Test operating mode

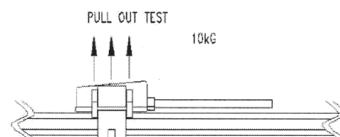
- The Aluminium rectilinear busbar has been connected to the fix end of dinamometer while the plug to the mobile end of same apparatus.
- A traction force, with 50 mm/sec speed, is applied to the plug until the disjunction of cable verifies
- The assembly of security springs among plug clips has been intentionally omitted

Test Apparatus

Dinamometer INSTRON type 4301 - IMQ_ID : P 00470

Test Configuration

See Figure

PULL THE TAP OFF WITHOUT SECURITY SPRING
TRAZIONE SPINA SENZA MOLLA DI SICUREZZA

Test Results

The disjunction of electric cable from bar has happened as soon as the force has got the value of 10 Kg. The breakage of one of two clips has occurred.

IMQ

Test Report nr. 01FB00026/3

PRODUCT DEPARTMENT

PAGE: 3 OF 3

LABORATORY INSULATED CABLES AND ADHESIVE TAPES

DATE 2008/06/12

MEASUREMENT OF FORCE NEEDED TO PULL OUT THE PLUG FROM RECTILINEAR BUSBAR

Number of samples under test 3

Test operating mode

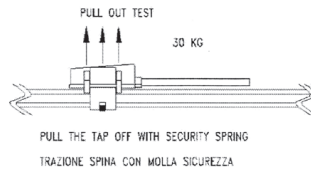
- The Aluminium rectilinear busbar has been connected to the fix end of dynamometer while the plug to the mobile end of same apparatus.
- A traction force, with 50 mm/sec speed, is applied to the plug until the disjunction of cable verifies
- During this test, the plug has been connected to bar, as requested from manufacturer, by a security spring placed among plug clips.

Test Apparatus

Dinamometer INSTRON type 4301 - IMQ_ID : P 00470

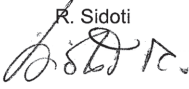
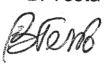
Test Configuration

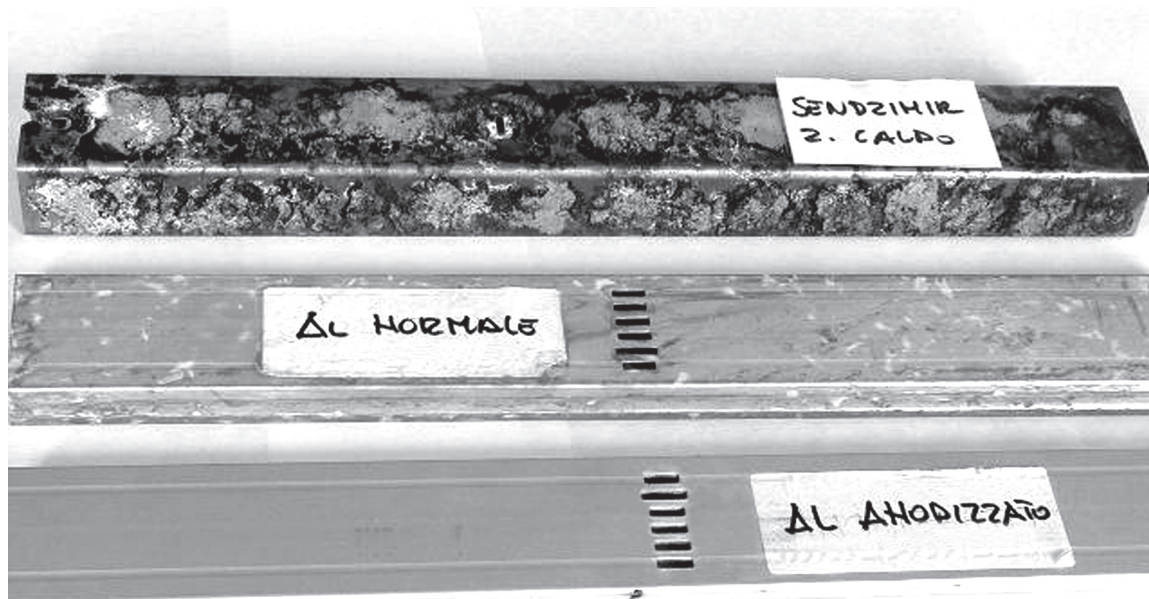
See Figure



Test Results

The disjunction of plug from bar has happened as soon as the force has got the value of 30 Kg due to breakage of two clips and disjunction of security spring

IMQ		Test Report nr. 01SB00114	
PRODUCT DEPARTMENT LABORATORY INSULATED CABLES AND ADHESIVE TAPES		PAGE 1 OF 4 DATE 2008/06/12	
Product	Aluminium cable trunking with and without protective coating		
Model type	--		
Description	Sample in sendzimir plate Sample in aluminium of rectangular section Sample in aluminium anodized of rectangular section		
Applicant	NAXSO S.r.l. - Via Quarello, 43 - 10135 TORINO		
Manufacturer	NAXSO S.r.l. - Via Quarello, 43 - 10135 TORINO		
Test carried out by	IMQ S.p.A - Laboratorio cavi isolati e nastri adesivi Via Quintiliano, 43 - 20138 Milano		
Scope of the test	➤ To assess the resistance to the corrosion in salt mist atmosphere		
Date of samples receiving	2002/02/06		
Date of tests start	2002/02/11	Date of tests end	2002/03/27
This test report is composed by	4 pages, divided as follows: 4 report pages		
Cable Testing Lab Technician	Cable Testing Lab Head		
 R. Sidoti	 B. Testa		
The results referred in this report are only relevant to the samples tested and described in this report. Only complete reproduction of this test report is permitted without written authorisation of IMQ.			
IMQ S.p.A. - Via Quintiliano 43 - 20138 MILANO			



Misty test is provided to compare different kind of surface protections. The test is runned putting in the same humid and salty room for 96 hours different materials and at the end a visual ceck isrequired to describe the results.

It is possible to see how the standard aluminium can stand the humidity with some little rusty stains as well as the anodized one is strong and excellent when the housing is under hard conditions and at the end how standard steel even if galvanized have a very poor resistance against humidity.

Korrosionstest in saltziger Atmosphaere
 Sample n° 1: Standard Stahlblech verzinkt
 Sample n° 2: Standard Naxso Alluminium
 Sample n° 3: Standard Alluminium eloxiert

La prova suddetta dimostra la resistenza del prodotto all' aggressione derivante dalla esposizione alla umidità in un clima salino corrosivo per una durata di 96 ore (primo ciclo) e 288 ore (secondo ciclo).

Dopo questi test i prodotti non devono presentare danneggiamenti significativi.

Dalla foto riportata dal test eseguito presso l'IMQ si vede il risultato comparativo, come previsto dalla norma, tra un campione di materiale sendzimir, un campione di alluminio standard NAXSOLUX ed uno anodizzato.

Il campione in metallo dopo la prova è completamente corroso mentre quello in alluminio standard è appena intaccato da macchie superficiali ed infine quello in alluminio anodizzato è risultato completamente indifferente all'aggressione della nebbia salina.

DECLARATION OF EC CONFORMITY
DICHIARAZIONE DI CONFORMITÀ

No. TL/Prot20209

The product / Prodotto**Type reference / Sigla prodotto**Naxsolux 25A - 40A - 63A
Serie BA - serie BM**Supplier / Fornitore**

Naxso Srl 10135 TORINO (I)

Description / Descrizione**Light Busbar trunking system**
*Condotto barre prefabbricato***To which this declaration relates is in conformity with the following standard:***L'oggetto di questa dichiarazione è conforme ai seguenti standard o normative:***Standard / Norme:**CEI 17/13-1-2
CEI EN 60439/1-2
CEI EN 61000-2-4 (CEI 110-27)
DIN VDE 0660 parte 500-502
CEI EN 60068-2-11:2000 Class
CEI 104-17-F.5890**Type tests / Prove di Tipo**

- | | |
|---|---|
| 1. Temperature-rise limits | <i>1. Tenuta alla tensione applicata</i> |
| 2. Dielectric properties | <i>2. Limiti di sovratemperatura</i> |
| 3. Short-circuit strength | <i>3. Efficienza del circuito di protezione</i> |
| 4. Effectiveness of the protective circuit | <i>4. Tenuta al cortocircuito</i> |
| 5. Clearances and creepage distances | <i>5. Cablaggio, funzionamento elettrico</i> |
| 6. Mechanical operation | <i>6. Grado di protezione</i> |
| 7. Degree of protection | <i>7. Funzionamento</i> |
| 8. Electrical characteristics | <i>8. Distanze in aria e superficiali</i> |
| 9. Structural strength | <i>9. Isolamento</i> |
| 10. Crushing resistance | <i>10. Resistenza di isolamento</i> |
| 11. Resistance to flame propagation | <i>11. Misure di protezione</i> |
| 12. Fire barrier in building penetration | <i>12. Barriera tagliafuoco</i> |

This declaration of Conformity according to EN 45014, was issued after tests in laboratory.*Questa dichiarazione di conformità, come disposto dalla Normativa EN 60439, è stata emessa dopo aver effettuato test nei laboratori dell'Istituto IMQ, in data 27 Giugno 2001.***Date of issue / Data**
22/05/2008

NAXSO S.r.l.



DECLARATION OF EC CONFORMITY
DICHIARAZIONE DI CONFORMITÀ

No. TL/Prot20210

The product / Prodotto**Type reference / Sigla prodotto**Naxsopower BP 40A - 63A - 100A - 160A
Naxsopower BPK 250A - 315A - 400A
Naxsopower BPG 250A - 400A - 500A - 630A
Naxsopower BPGG 800A - 1000A**Supplier / Fornitore**

Naxso Srl 10135 TORINO (I)

Description / Descrizione**Light Busbar trunking system**
*Condotto barre prefabbricato***To which this declaration relates is in conformity with the following standard:***L'oggetto di questa dichiarazione è conforme ai seguenti standard o normative:***Standard / Norme:**CEI 17/13-1-2
CEI EN 60439/1-2
CEI EN 61000-2-4 (CEI 110-27)
DIN VDE 0660 parte 500-502
CEI EN 60068-2-11:2000 Class
CEI 104-17-F.5890**Type tests / Prove di Tipo**

- | | |
|---|---|
| 1. Temperature-rise limits | <i>1. Tenuta alla tensione applicata</i> |
| 2. Dielectric properties | <i>2. Limiti di sovratemperatura</i> |
| 3. Short-circuit strength | <i>3. Efficienza del circuito di protezione</i> |
| 4. Effectiveness of the protective circuit | <i>4. Tenuta al cortocircuito</i> |
| 5. Clearances and creepage distances | <i>5. Cablaggio, funzionamento elettrico</i> |
| 6. Mechanical operation | <i>6. Grado di protezione</i> |
| 7. Degree of protection | <i>7. Funzionamento</i> |
| 8. Electrical characteristics | <i>8. Distanze in aria e superficiali</i> |
| 9. Structural strength | <i>9. Isolamento</i> |
| 10. Crushing resistance | <i>10. Resistenza di isolamento</i> |
| 11. Resistance to flame propagation | <i>11. Misure di protezione</i> |
| 12. Fire barrier in building penetration | <i>12. Barriera tagliafuoco</i> |

This declaration of Conformity according to EN 45014, was issued after tests in laboratory.*Questa dichiarazione di conformità, come disposto dalla Normativa EN 60439, è stata emessa dopo aver effettuato test nei laboratori dell' Istituto IMQ, in data 27 Giugno 2001.***Date of issue / Data**
10/07/2008

NAXSO S.r.l.



DECLARATION OF EC CONFORMITY
DICHIARAZIONE DI CONFORMITÀ

No. TL/Prot20221

The product / Prodotto**Type reference / Sigla prodotto**Naxsosandwich 800A - 1000A - 1250A - 1600A
2000A - 2500A - 3200A - 4000A - 5000A**Supplier / Fornitore**

Naxso Srl 10135 TORINO (I)

Description / Descrizione**Light Busbar trunking system**
*Condotto barre prefabbricato***To which this declaration relates is in conformity with the following standard:***L'oggetto di questa dichiarazione è conforme ai seguenti standard o normative:***Standard / Norme:**CEI 17/13-1-2
CEI EN 60439/1-2
CEI EN 61000-2-4 (CEI 110-27)
DIN VDE 0660 parte 500-502
CEI EN 60068-2-11:2000 Class
CEI 104-17-F.5890**Type tests / Prove di Tipo**

- 1. Temperature-rise limits**
- 2. Dielectric properties**
- 3. Short-circuit strength**
- 4. Effectiveness of the protective circuit**
- 5. Clearances and creepage distances**
- 6. Mechanical operation**
- 7. Degree of protection**
- 8. Electrical characteristics**
- 9. Structural strength**
- 10. Crushing resistance**
- 11. Resistance to flame propagation**
- 12. Fire barrier in building penetration**

- 1. Tenuta alla tensione applicata*
- 2. Limiti di sovratemperatura*
- 3. Efficienza del circuito di protezione*
- 4. Tenuta al cortocircuito*
- 5. Cablaggio, funzionamento elettrico*
- 6. Grado di protezione*
- 7. Funzionamento*
- 8. Distanze in aria e superficiali*
- 9. Isolamento*
- 10. Resistenza di isolamento*
- 11. Misure di protezione*
- 12. Barriera tagliafuoco*

This declaration of Conformity according to EN 45014, was issued after tests in laboratory.*Questa dichiarazione di conformità, come disposto dalla Normativa EN 60439, è stata emessa dopo aver effettuato test nei laboratori dell' Istituto IMQ, in data 27 Giugno 2001.***Date of issue / Data**
18/06/2008

NAXSO S.r.l.



ERKLAERUNG ZUR KONFORMITAET

No. TL/Prot20209

Erklaerung zur Konformitaet

Typen Bezeichnung

*Naxsolux 25A - 40A - 63A
Serie BA - serie BM*

Hersteller

Naxso Srl 10135 TORINO (I)

Beschreibung

Beleuchtungsschienen System

Die beschriebenen Artikel beziehen sich auf folgende Standards:

Standard, Norm:

*CEI 17/13-1-2
CEI EN 60439/1-2
CEI EN 61000-2-4 (CEI 110-27
DIN VDE 0660 Teil 500-502
CEI EN 60068-2-11:2000 Klass
CEI 104-17-F.5890*

Art der Prüfungen

- 1. Maximaler Temperaturanstieg*
- 2. Dielektrische Eigenschaften*
- 3. Kurzschlußbeanspruchung*
- 4. Wirksamkeit der Schutzmaßnahmen*
- 5. Freigabe Kriechstromabstaende*
- 6. Mechanischer Ablauf*
- 7. Schutzgrad*
- 8. Elektrische Merkmale*
- 9. Konstruktionsfestigkeit*
- 10. Bruchwiderstand*
- 11. Brandwiderstand und Brandausbreitung*
- 12. Brandschutz in Gebaeuden*

Diese Erklarung der Konformitaet zur EN 45014, wurde nach Laborpruefungen erstellt.

Datum der Ausstellung

22/05/2008

NAXSO S.r.l.



ERKLAERUNG ZUR KONFORMITAET

No. TL/Prot20210

Erklaerung zur Konformitaet

Typen Bezeichnung Naxsopower BP 40A - 63A - 100A - 160A
Naxsopower BPK 250A - 315A - 400A
Naxsopower BPG 250A - 400A - 500A - 630A
Naxsopower BPGG 800A - 1000A

Hersteller Naxso Srl 10135 TORINO (I)

Beschreibung Stromschienen System

Die beschriebenen Artikel beziehen sich auf folgende Standards:

Standard, Norm: CEI 17/13-1-2
CEI EN 60439/1-2
CEI EN 61000-2-4 (CEI 110-27)
DIN VDE 0660 Teil 500-502
CEI EN 60068-2-11:2000 Klass
CEI 104-17-F.5890

Art der Prüfungen

1. Maximaler Temperaturanstieg
2. Dielektrische Eigenschaften
3. Kurzschlußbeanspruchung
4. Wirksamkeit der Schutzmaßnahmen
5. Freigabe Kriechstromabstände
6. Mechanischer Ablauf
7. Schutzgrad
8. Elektrische Merkmale
9. Konstruktionsfestigkeit
10. Bruchwiderstand
11. Brandwiderstand und Brandausbreitung
12. Brandschutz in Gebäuden

Diese Erklarung der Konformitaet zur EN 45014, wurde nach Laborpruefungen erstellt.

Datum der Ausstellung

10/07/2008

NAXSO S.r.l.



ERKLAERUNG ZUR KONFORMITAET

No. TL/Prot20209

Erklaerung zur Konformitaet

Typen Bezeichnung

Naxsosandwich
800A - 1000A - 1250A - 1600A - 2000A
2500A - 3200A - 4000A - 5000A

Hersteller

Naxso Srl 10135 TORINO (I)

Beschreibung

Stromschienen System

Die beschriebenen Artikel beziehen sich auf folgende Standards:

Standard, Norm:

CEI 17/13-1-2
CEI EN 60439/1-2
CEI EN 61000-2-4 (CEI 110-27
DIN VDE 0660 Teil 500-502
CEI EN 60068-2-11:2000 Klass
CEI 104-17-F.5890

Art der Prüfungen

1. Maximaler Temperaturanstieg
2. Dielektrische Eigenschaften
3. Kurzschlußbeanspruchung
4. Wirksamkeit der Schutzmaßnahmen
5. Freigabe Kriechstromabstaende
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9. Konstruktionsfestigkeit
10. Bruchwiderstand
11. Brandwiderstand und Brandausbreitung
12. Brandschutz in Gebaeuden

Diese Erklarung der Konformitaet zur EN 45014, wurde nach Laborpruefungen erstellt.

Datum der Ausstellung

18/06/2008

NAXSO S.r.l.





GOST CERTIFICATION

СИСТЕМА СЕРТИФИКАЦИИ В ОБЛАСТИ ПОЖАРНОЙ БЕЗОПАСНОСТИ
СЕРТИФИКАТ ПОЖАРНОЙ БЕЗОПАСНОСТИ

№ ССПБ. ИТ. ОП034. Н. 00133

Зарегистрирован в Государственном реестре
Системы сертификации в области пожарной
безопасности 24.03.2008 г. Действителен до 24.03.2010 г.

Настоящий сертификат удостоверяет, что идентифицированный надлежащим образом образец
Система сборных шин серий Naxsolux, Naxsofloor, Naxsopower, Naxsocompact, Naxsosandwich (IP55) типов: AC, AT, AV, BA, BM, BP, BPG, BPGG, BPK, BTIC, BX, C5, CA, CBX, CCS, CMA, CP, CS, CTU, CV, DEPL, EGFL, FLX, GFX, GR, HF, IP, MA, MG, MT, NC, NS, NXW, PC, PFT, PR, QB, SB, SC, SP, ST, TA, TOTEM, TQ, TR, VC с ответвительными устройствами для шинопроводов типов (IP55) BULL, CAT, CM, CMCF, CMSF, CPM, CPF, FOX, IF, SBM, SFIP, SM, STAR на напряжение до 0,66 кВ переменного тока включительно

код К-ОКП
8536 90 010 0
код ТН ВЭД

наименование продукции

соответствует требованиям пожарной безопасности, установленным в
ГОСТ Р МЭК 335-1-94, ГОСТ Р МЭК 60332-3-24, НПБ 248-97 (п.5.2)

обозначение НД

при добровольной сертификации

Сертификат распространяется на серийный выпуск
серийное производство; номер, размер и дата выпуска партии,

номер и дата контракта поставки; номер единичного изделия


Сертификат выдан NAXSO s.r.l.
наименование предприятия, организации

10135 Torino, Via Quarello, 43, Italy
Тел. +390113912811 факс: +390113472933
юридический адрес, телефон, факс

Изготовитель NAXSO s.r.l.
наименование предприятия, организации

10135 Torino, Via Quarello, 43, Italy
Тел. +390113912811 факс: +390113472933
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№ 0220101



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СИСТЕМА СЕРТИФИКАЦИИ ГОСТ Р
ГОССТАНДАРТ РОССИИ**СЕРТИФИКАТ СООТВЕТСТВИЯ**

№ РОСС ИТ.АЕ95.В04596

Срок действия с 11.03.2008 по 10.03.2010

7941644

ОРГАН ПО СЕРТИФИКАЦИИ

Рег. № РОСС RU.0001.11АЕ95

ПРОДУКЦИИ ОБЩЕСТВО С ОГРАНИЧЕННОЙ ОТВЕТСТВЕННОСТЬЮ "НИИ-ТЕСТ"

Юридический адрес: 127591, Москва, ул. Дубнинская, д.44а

Фактический адрес: 119121, Москва, Ружейный пер., д. 6, стр. 1, тел. (495) 241-51-36, факс (495) 241-51-36

ПРОДУКЦИЯ

Устройства распределительные для шин проводов для наружной установки серий Naxsolux, Naxsofloor, Naxsopower, Naxsocompact, Naxsosandwich (IP55) типов BULL, CAT, CM, CMCF, CMSF, CPM, CPF, FOX, IF, SBM, SFIP, SM, STAR.

Серийный выпуск

КОД ОК 005 (ОКП):
34 3430**СООТВЕТСТВУЕТ ТРЕБОВАНИЯМ НОРМАТИВНЫХ ДОКУМЕНТОВ**

ГОСТ Р 51321.1-2000, ГОСТ Р 51321.5-99

КОД ТН ВЭД России:
8537 10 990 0**ИЗГОТОВИТЕЛЬ**

«NAXSO s.r.l.»

10135 Torino, Via Quarello, 43, Italy, Италия

СЕРТИФИКАТ ВЫДАН

«NAXSO s.r.l.»

10135 Torino, Via Quarello, 43, Italy, Италия, тел. +390113912811

НА ОСНОВАНИИ

протокола испытаний № 579/2-08 от 11.03.2008г., ИЛ "ИЛ БТ" ООО "ИЛ ЭП ЭМС", рег. № РОСС RU.0001.21МЛ31

ДОПОЛНИТЕЛЬНАЯ ИНФОРМАЦИЯ

Маркирование знаком соответствия по ГОСТ Р 50460-92 производится на потребительской упаковке и/или в товаросопроводительной документации.

Схема сертификации 3.



Руководитель органа

Эксперт

Т.В. Заболотная

инициалы, фамилия

А.В. Пешков

инициалы, фамилия

Сертификат имеет юридическую силу на всей территории Российской Федерации

Сертификат выдан на основании:

Документ (наименование, номер, дата)	Исполнитель (наименование, регистрационный номер)
Отчет о сертификационных испытаниях № 11 от 21.03.2008 г.	ИЛ ГУ «СЭУ ФПС Испытательная пожарная лаборатория по Волгоградской области», аттестат аккредитации в ССПБ № ССПБ.RU.ИН 125 от 05.10.2006 г.
Акт о результатах анализа состояния производства № 426	Орган по сертификации «СтройПОЖТЕСТ», аттестат аккредитации № ССПБ. RU.ОП 034
Декларация-обязательство от 14.03.2008г.	NAXSO s.r.l.

Маркировка товара и технической документации, прилагаемой к каждой единице продукции, осуществляется знаком соответствия ССПБ, наносимым на каждое изделие, его тару, упаковку, товаросопроводительную документацию в соответствии с требованиями

Положения о знаке соответствия системы сертификации в области пожарной безопасности

«Знак соответствия системы. Форма, размеры и технические требования»

обозначение нормативных документов

Описание местонахождения знака пожарной безопасности рядом с товарным знаком фирмы-изготовителя

В случае невыполнения условий, лежащих в основе выдачи сертификата, он отменяется (приостанавливается) органом по сертификации, выдавшим сертификат.

Сертификат выдан Органом по сертификации «СтройПОЖТЕСТ», ССПБ. RU. ОП. 034 344019, г. Ростов-на-Дону, ул. Советская, д.27 тел. +7 863 2214039, тел./факс+7 863 2406598

наименование органа по сертификации, выдавшего сертификат, № в Госреестре, адрес



Руководитель органа по сертификации

[Handwritten signature]
подпись

О. Е. Карпова
инициалы, фамилия

Эксперт

[Handwritten signature]
подпись

С.С. Кондрашенко
инициалы, фамилия

Настоящий сертификат подтверждает соответствие продукции и услуг установленным требованиям пожарной безопасности, служит основанием для разрешения реализации (ввоза) продукции на территорию Российской Федерации.

СИСТЕМА СЕРТИФИКАЦИИ ГОСТ Р
ГОССТАНДАРТ РОССИИ**СЕРТИФИКАТ СООТВЕТСТВИЯ**

№ РОСС ИТ.АЕ95.В04594

Срок действия с 11.03.2008 по 10.03.2010

7941643

ОРГАН ПО СЕРТИФИКАЦИИ

Рег. № РОСС RU.0001.11АЕ95

ПРОДУКЦИИ ОБЩЕСТВО С ОГРАНИЧЕННОЙ ОТВЕТСТВЕННОСТЬЮ "НИИ-ТЕСТ"

Юридический адрес: 127591, Москва, ул. Дубнинская, д.44а

Фактический адрес: 119121, Москва, Ружейный пер., д. 6, стр. 1, тел. (495) 241-51-36, факс (495) 241-51-36

ПРОДУКЦИЯ

Система соединителей электрических сборных шин промышленного назначения серий Naxsolux, Naxsofloor, Naxsorpower, Naxsocompact, Naxsosandwich (IP55), типы согласно приложению бл. № 1878345.

Серийный выпуск

КОД ОК 005 (ОКП):

34 2490

СООТВЕТСТВУЕТ ТРЕБОВАНИЯМ НОРМАТИВНЫХ ДОКУМЕНТОВ

ГОСТ Р 51323.1-99

КОД ТН ВЭД России:

8536 90 010 0

ИЗГОТОВИТЕЛЬ

«NAXSO s.r.l.»

10135 Torino, Via Quarello, 43, Italy, Италия

СЕРТИФИКАТ ВЫДАН

«NAXSO s.r.l.»

10135 Torino, Via Quarello, 43, Italy, Италия, тел. +390113912811

НА ОСНОВАНИИ

протокола испытаний № 573/2-08 от 11.03.2008г., ИЛ "ИЛ БТ" ООО "ИЛ ЭП ЭМС", рег. № РОСС RU.0001.21МЛЗ1

ДОПОЛНИТЕЛЬНАЯ ИНФОРМАЦИЯ

Маркирование знаком соответствия по ГОСТ Р 50460-92 производится на потребительской упаковке и/или в товаросопроводительной документации. Сертификат без приложения недействителен.

Схема сертификации 3.



Руководитель органа

Подпись

Т.В. Заболотная

инициалы, фамилия

Эксперт

Подпись

А.В. Пешков

инициалы, фамилия

Сертификат имеет юридическую силу на всей территории Российской Федерации

Бланк изготовлен ЗАО "СПЭЦИОН" (лицензия № 05-05-09/093 МЭР РФ уровень В) тел. (495) 648 6068, 208 7617, г. Москва, 2007 г.



ANCE CERTIFICATION



**LABORATORIO DE PRUEBAS
DE LA ANCE**

Inf. No: AN342609
Emisión: 23/SEP/2009

**INFORME DE PRUEBAS
NMX-J-515-ANCE-2003**

Hoja 1 de 9

Acreditación ante la EMA:	EE-015-103/07
Informe No.	AN342609
Compañía	GRUPO MCB, S.A DE C.V.
Dirección:	PROLONGACION RIO SAN ANGEL NO. 450 FRACCIONAMIENTO ATLAMAYA C.P. 01760; ALVARO OBREGON, DISTRITO FEDERAL
Muestra:	ELECTRODUCTO DE DISTRIBUCION
Marca:	NAXSO
Modelo:	BA25A106
No. de Serie:	S/N
Representante:	MARIA ESTHER BARNETCHE POUS
Norma aplicada:	NMX-J-515-ANCE-2003 EQUIPOS DE CONTROL Y DISTRIBUCION- REQUISITOS GENERALES DE SEGURIDAD-ESPECIFICACIONES Y METODOS DE PRUEBA
Procedimiento de prueba:	PROLAB-35 Procedimiento de prueba de la NMX-J-515-ANCE-2003
Fecha de entrada:	09/SEP/2009
Fecha de terminación:	23/SEP/2009
Vigencia:	90 días
Tipo de producto:	NUEVO

FORLAB-P46.75.03

Ave. Eje Central Lázaro Cárdenas 869
Col. Nueva Industrial Vallejo
México, D. F.
C. P. 07700

Tel. 57-47-45-50 Fax. 57474560

El Laboratorio de Pruebas de la ANCE, solamente se responsabiliza de los resultados de las pruebas efectuadas a las muestras indicadas en este informe. El Laboratorio no se responsabiliza de su aplicación, ni de su extensión a muestras y/o aparatos similares.

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Signatario Autorizado



**LABORATORIO DE PRUEBAS
DE LA ANCE**

INFORME DE PRUEBAS
NMX-J-515-ANCE-2003

Inf. No: AN342609
Emisión: 23/SEP/2009

Hoja 3 de 9

EQUIPO UTILIZADO

No. Inv. ANCE	Descripción	Marca	Modelo	Uso
ANCELAB-0272-I	ANAL. DE DIST. ARMONICA	FLUKE	41B	6.6
ANCELAB-0289-I	HORNO	LINDBERG/BLUE M	G01350P3C	6.6
ANCELAB-0376-I	CAMARA DE HUMEDAD Y TEMPER	ANCE	ANCE-2	6.1
ANCELAB-0413-I	CÁMARA DE HUMEDAD	ANCE	S/M	6.1
ANCELAB-0460-I	CRONOMETRO	ROBIC	SC-505	6.2, 6.4, 6.6, 6.7
ANCELAB-0735-I	TERMOPAR TIPO "J"	COLE-PARMER	08530-02	6.6
ANCELAB-0737-I	PROBADOR DE RIGIDEZ DIELECTRICA	ASSOCIATED RESEARCH	4500D	6.3, 6.4
ANCELAB-0788-I	FUENTE DE CORRIENTE	GAMA	S/M	6.6
ANCELAB-1014-I	TERMOMETRO DIGITAL	FLUKE	51-II	6.6
ANCELAB-1049-I	MULTIMETRO DIGITAL	FLUKE	87 V	6.3
ANCELAB-1202-I	PROBADOR DE RESISTENCIA DE AISLAMIENTO	SLAUGHTER	2205	6.2

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