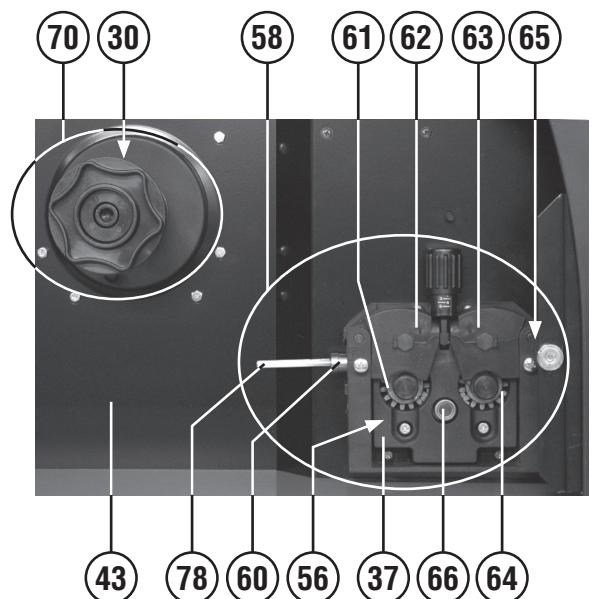


Diagram of the SYNERGIC 160 welding power source showing various components and their identification numbers:

- 71: Main body
- 48: Side panel
- 46: Lower side panel
- 45: Lower side panel
- 42: Wheel
- 35: Wheel
- 49: Wheel
- 73: Wheel
- 53: Electrode holder
- 54: Electrode holder
- 27: Handle
- 41: Handle
- 12: Control knob
- 29: Control knob
- 31: Control knob
- 47: Control knob
- 26: Control knob
- 59: Control knob
- 32: Control knob
- 33: Control knob
- 51: Control knob
- 34: Control knob
- 36: Control knob
- 39: Control knob
- 52: Control knob
- 76: Mounting bracket
- 40: Mounting bracket
- 50: Mounting bracket
- 38: Mounting bracket
- 77: Mounting bracket
- 17: Mounting bracket



Por pedir una pieza de repuesto sin referencia precisar: modelo-marca e tension de la maquina; numero di riferimento de lista; numero di matricula.

REF.	ELENCO PEZZI DI RICAMBIO PIECES DETACHEES SPARE PARTS LIST ERSATZTEILLISTE PIEZAS DE REPUESTO	REF.	ELENCO PEZZI DI RICAMBIO PIECES DETACHEES SPARE PARTS LIST ERSATZTEILLISTE PIEZAS DE REPUESTO	REF.	ELENCO PEZZI DI RICAMBIO PIECES DETACHEES SPARE PARTS LIST ERSATZTEILLISTE PIEZAS DE REPUESTO	REF.	ELENCO PEZZI DI RICAMBIO PIECES DETACHEES SPARE PARTS LIST ERSATZTEILLISTE PIEZAS DE REPUESTO	REF.	ELENCO PEZZI DI RICAMBIO PIECES DETACHEES SPARE PARTS LIST ERSATZTEILLISTE PIEZAS DE REPUESTO
1	Ponte monofase Pont monophasé Single phase bridge Einfasige brücke Puente monofásico	17	Cavo alim. Cable alim. Mains cable Netzkabel Cable alim.	34	Tappo Bouchon Cap Stopfen Tapon	50	Perno sportello Pivot guichet Door pin Tuerzapfen Perno portezuela	66	Ingranaggio Engrenages Gears Zahnrad Engranaje
2	Res. Met. Res. Met. Res. Met. Res. Met. Res. Met.	18	Trasformatore di corrente Transformateur de courant Current transformer Stromwandler Transformador de corriente	35	Ruota Roue Wheel Rad Rueda	51	Pres a atlas Prise atlas Socket atlas Steckdose atlas Enchufe atlas	67	Kit autotrasfo Kit autotrasfo Autotrasfo kit Autotrasfo kit Kit autotrasfo
3	Res. Met. Res. Met. Res. Met. Res. Met. Res. Met.	19	Ventilatore Ventilateur Fan Ventilator Ventilador	36	Ruota Roue Wheel Rad Rueda	52	Spina atlas Fiche atlas Atlas plug Atlas stecker Enchufe atlas	68	Kit diodi Kit diodes Diode kit Diode kit Kit diodo
4	Igbt Igbt Igbt Igbt Igbt	20	Motore Moteur Motor Motor Motor	37	Protezione Protecion Cover Deckel Proteccion	53	Pinza di massa Borne de masse Work clamp Masseklemme Borne de masa	69	Kit igbt + trasformatore impuls Kit igbt + transformateur d'impulsions Kit igbt + impulse transformer Kit igbt + impuls-transformator Kit igbt + transformador de impulsos
5	Rele' Relais Relais Relais Relais	21	Induttanza Inductance Inductance Drossel Induccion	38	Assieme manopola per commutatore Set poigne pour commutateur Switch knob set Umschaltergriff set Set manija para conmutador	54	Cavo + pinza massa + atlas Cable + pince masse + atlas Cable + work clamp + atlas Kabel + massezange + atlas Cable + pinca masa + atlas	70	Kit aspo Kit support bobine Reel kit Wickler kit Kit aspa
6	Resistenza Resistance Resistance Widerstand Resistencia	22	Induttanza Inductance Inductance Drossel Induccion	39	Supporto girevole + freno Support tournant + frein Swivel support + brake Drehbarerhalter + brems Sosten giratorio + freno	55	Rullino traino 4r ø 0.6fe-0.8/0.9fe "p-k" Galet 4r ø 0.6fe-0.8/0.9fe "p-k" Feed roll 4r ø 0.6fe-0.8/0.9fe "p-k" Vorschubrolle 4r ø 0.6fe-0.8/0.9fe "p-k" Roldana 4r ø 0.6fe-0.8/0.9fe "p-k"	71	Kit mantello Kit capot Cover kit Bodckelkit Kit panel de cobertura
7	Varistore Varistor Varistor Varistor Varistor	23	Kit scheda filtro Kit platine filtre Filter card kit Filterkarte kit Kit tarjeta filtro	40	Retro Partie arriere Back panel Rueckseite Trasera	56	Rullino traino 4r ø 1.2fe-1.0fe "p-k" Galet 4r ø 0.8fe-1.0fe "p-k" Feed roll 4r ø 0.8fe-1.0fe "p-k" Vorschubrolle 4r ø 0.8fe-1.0fe "p-k" Roldana 4r ø 0.8fe-1.0fe "p-k"	72	Kit scheda completa Kit fiche complete Complete pcb kit Komplette karte kit Kit tarjeta completa
8	Condensatore Condensateur Condenser Kondensator Condensator	24	Trasformatore flyback ausiliario Transformateur flyback auxiliaire Flyback auxiliary transformer Flyback hilfstransformator Transformador flyback auxiliari	41	Gancio appendi torcia Accrocheur torche Torch hook Haken fuer brenner Gancho fijacion antorcha	57	Rullino traino 4r ø 1.2fe-1.6fe "p-k" Galet 4r ø 1.2fe-1.6fe "p-k" Feed roll 4r ø 1.2fe-1.6fe "p-k" Vorschubrolle 4r ø 1.2fe-1.6fe "p-k" Roldana 4r ø 1.2fe-1.6fe "p-k"	73	Kit fondo Kit chassis Bottom kit Bodenteil kit Kit fondo
9	Diode Diode Diode Diode Diode	25	Trasformatore potenza Transformateur de puissance Power trafo Leistungstransformer Transformador de potencia	42	Staffa asse ruote Bride axe roues Wheels axle braket Radachsebugel Estribo eje ruedas	58	Traino 4 rulli Devidoir 4 rouleaux 4 Roll wirefeeder 4 Räder drahtvorschub Alimentador de hilo 4 rodillos	74	Kit frontale Kit partie frontal Front panel kit Gerätefront kit Kit frontal
10	Res. Met. Res. Met. Res. Met. Res. Met. Res. Met.	26	Protezione attacco torcia Support isolant torche Torch connection protection Brennersisoliertager Sosten isolator antorcha	43	Diaphragma Diaphragme Diaphragm Diaphragma Diafragma	59	Attacco torcia Attelage torche Torch connection Brenneranschluss Enganche soplete	75	Kit scheda pannello + controllo Kit platine frontal + controle Front panel + control card kit Gerätefront-kontrolle karte kit Kit tarjeta frontal + control
11	Termostato Thermostat Thermal switch Thermostat Termostato	27	Assieme manico Set poignee Handle set Handgriff set Set manija	44	Ripiano Surface Surface Deckel Plano	60	Entrata guida filo Entree guide fil Wire guide inlet Drahtfuehrungsseeleingang Entrata vaina guidaera alambre	76	Staffa portabombola Etrier porte-bouteille Bottle-holder bracket Kasten fuer flasche Estribo porta bombona
12	Manopola encoder Poignee encoder Encoder knob Griff encoder Manija encoder	29	Kit supporto display Kit support display Display holder kit Display halterung kit Kit soporte display	45	Fianco dx Partie lateral Right side panel Rechtes seitenteil Panel derecho	61	Adattatore Adapteur Adapter Zahnrad Adaptador	77	Kit pressacavo + ghiera Kit presse cable + embout Kit cable bushing + ring nut Kit kabelhalter + nutmutter Kit prensa cable + virola
13	Fusibile Fusible Fuse Sicherung Fusible	30	Distanziale per aspo Entretoise pour support bobine Reel spacer Distanzstueck Espaciador por aspa	46	Vano aspo Support bobine vain Left anchor for pressure roller Linker anker für gegenrolle Ancora izquierda para contra roldana	62	Ancora controrullino sinistra Ancre contre-galet gauche Left anchor for pressure roller Linker anker für gegenrolle Ancora izquierda para contra roldana	78	Guaina entrata motore Gaine entree moteur Hose Drahtfuehrungsseele Vaina guidaera alambre
14	Commutatore Commutateur Switch Schalter Switch	31	Frontale superiore Partie frontal superieur Upper front panel Obere gerätefront Frontal superior	47	Fianco sx Partie lateral Side panel Linkes seitenteil Panel izquierdo	63	Ancora controrullino destra Ancre contre-galet droit Right anchor for pressure roller Rechter anker für gegenrolle Ancora derecha para contra roldana	79	Fusibile Fusible Fuse Sicherung Fusible
15	Elettrovalvola Electrovanne Electrovalve Elektroventil Electrovalvula	32	Frontale inferiore Partie frontal inferieur Lower front panel Geraetefront unten Frontal inferior	48	Sportello Guichet Door Tuer Portezuela	64	Ingranaggio motore Engrenage motor Motor drive gear Motorschahrad Engranaje motor		
16	Fusibile Fusible Fuse Sicherung Fusible	33	Tappo Bouchon Cap Stopfen Tapon	49	Asse ruote Axe roues Wheels axle Radachse Eje ruedas	65	Tubo capillare Tuyau capillaire Wire conduit Kapillarrohr Tubo capilar		

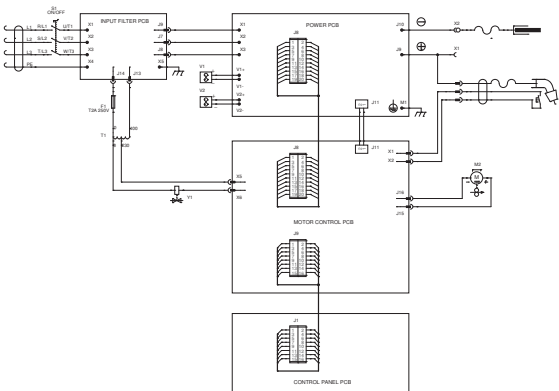
Per individuare lo schema elettrico corrispondente alla vostra macchina, rifarsi all'ultima cifra "X" del numero di matricola (N. 0000/X) riportato sul frontale.

Pour reperer le schema électrique correspondant à votre appareil, vérifier le dernier chiffre "X" du numéro de série (N. 0000/X) reporté sur la partie frontale.

In order to find the electrical diagram corresponding to your model, check the last number "X" of the serial number (N. 0000/X) printed on front panel.

Um den schaltplan, der ihrem gerät entspricht, ausmachen zu können, müssen sie die letzte ziffer "X" der matrikelnummer (N. 0000/X), die auf der frontseite angebracht ist, beachten.

Para la identificación del esquema eléctrico, correspondientes, a su máquina, referirse a la última cifra "X" del número de placa (N. 0000/X) instalado sobre el frontal.



Schema elettrico N.
Schéma électrique N.
Diagram N.
Schaltplan N.
Esquema de conexiones N.