


Technical characteristics

Caratteristiche tecniche

Specifications: EN 61984, EN 60664-1
UL 1977
CSA C22.2 No. 182.3

Approvals:  UL, CSA)

Number of contacts 3,6,10,12(2x6), 20(2x10) + ⊕
+ 2 or 4 additional contacts for safe high voltage connections

Electrical data acc. to EN 61984

	16A 830V 8kV 3
Working current	250V
Working voltage	250V
Rated impulse voltage	250V
Pollution degree	2

Pollution degree 2 also **16A 1000 V 8kV 2**
Relay contacts **16A 500 V 6kV 3**

Current carrying capacity: Please refer to "Electrical engineering data" page 00.34

Working voltage acc. to UL/CSA 600V
Relay contacts 250V
Insulation resistance $\geq 10^{10} \Omega$
Material Polycarbonate
Limiting temperatures - 40 °C ... + 125 °C
Flammability acc. to UL 94 V0 - GWT 960°
Mechanical working life ≥ 500 cycles

Contacts:
Material Copper alloy
Surface Silver plated
Gold plated

Contact resistance $\leq 3 \text{ m} \Omega$
Spring terminal
- mm² 0.14 - 2.5
- AWG 26 - 14
- Stripping length 9 - 11 mm

For solid or stranded wires

Recommended enclosures: See section 21, 22,23, 25,26,27,30

Type: **STD, HE, EMC, HP-HE**

Material Die cast aluminium
Surface Powder coated
Locking element With metal lever or screws
Hoods/Housings seal NBR
Limiting temperatures -40 °C ... + 125 °C
Degree of protection acc. to EN 60529 for coupled connectors IP66 or IP68 (HP-HE)


Thread: Metric - EN 50262
Pg - DIN 40430

Wire extractor tool: 0,4x2.5 screwdriver
Part. No. **8500.7979.0**



According to EN61984 connectors should not be coupled and decoupled under electrical load.

Norme di riferimento: EN 61984, EN 60664-1
UL 1977
CSA C22.2 No. 182.3

Approvazioni:  (UL,CSA)

Numero dei contatti 3,6,10,12(2x6), 20(2x10) + ⊕
+ 2/4 contatti ausiliari per sicurezza delle connessioni ad alto voltaggio

Caratteristiche elettriche secondo EN 61984

	16A 830V 8kV 3
Corrente nominale	250V
Tensione nominale	250V
Tensione ad impulso	250V
Grado di inquinamento	2

Con grado di inquinamento 2 **16A 1000 V 8kV 2**
Contatti ausiliari **16A 500 V 6kV 3**

Portata di corrente: Vedere pag. 00.34 "Caratteristiche elettriche"

Tensione nominale secondo UL/CSA 600V
Contatti ausiliari 250V
Resistenza di isolamento $\geq 10^{10} \Omega$
Materiale Polycarbonate
Limiti di temperature - 40 °C ... + 125 °C
Autoestinguenza UL 94 V0 - GWT 960°
Vita meccanica ≥ 500 cicli

Contatti:
Materiale Lega di rame
Finitura: Argentati
Dorati

Resistenza di contatto $\leq 3 \text{ m} \Omega$
Terminali a molla
- mm² 0.14÷2.5
- AWG 26 - 14
- Lunghezza spellatura 9 - 11 mm

Per fili rigidi o flessibili

Custodie suggerite: Vedere sezioni 21,22,23, 25,26,27,30

Tipo: **STD, HE, EMC, HP-HE**


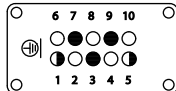
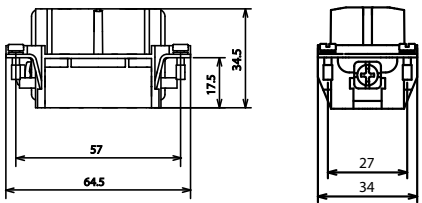
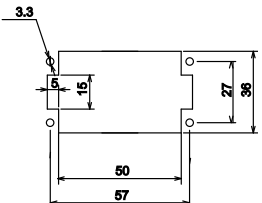

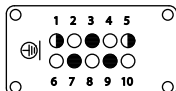
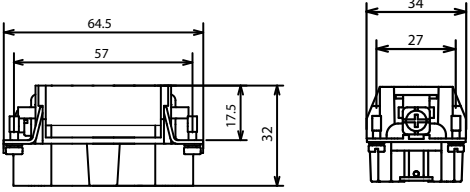
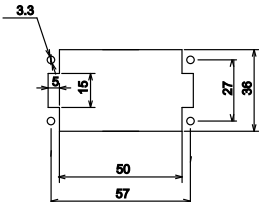
Materiale Fusione di alluminio
Superficie Verniciatura a polvere
Dispositivo di chiusura Con leva metallica o viti
Guarnizione NBR
Limiti di temperature -40 °C ... + 125 °C
Grado di protezione secondo EN 60529 connettori accoppiati IP66 o IP68 (HP-HE)


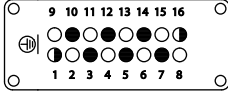
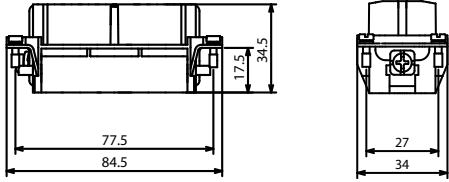
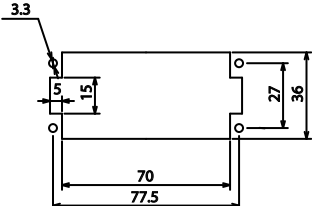

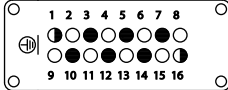
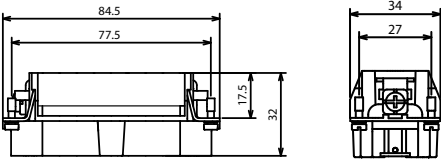
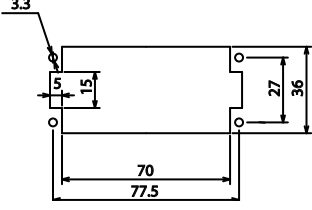
Filettature: Metrica - EN 50262
Pg - DIN 40430


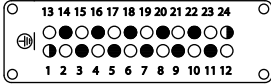
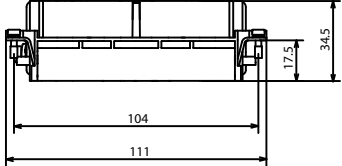
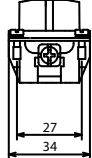
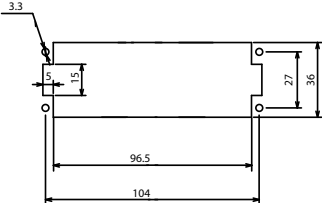
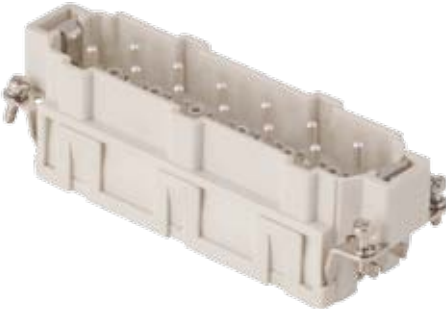
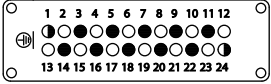
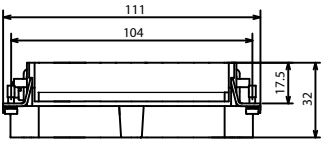
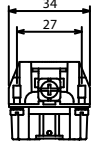
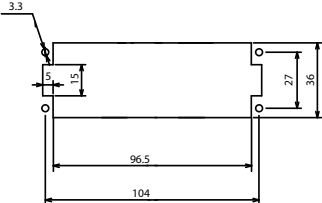
Utensile estrattore del conduttore: cacciavite 0,4x2.5
Cod. **8500.7979.0**


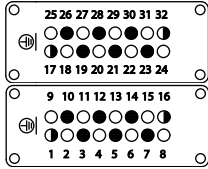
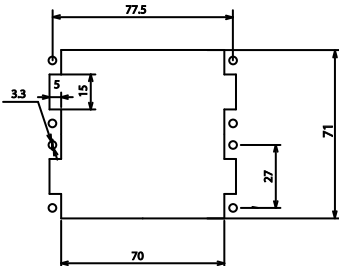
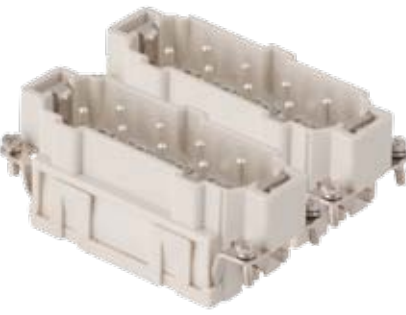
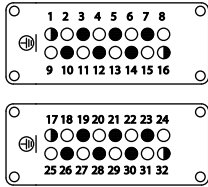
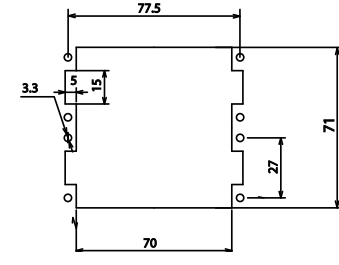


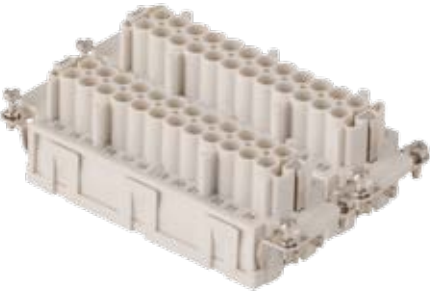
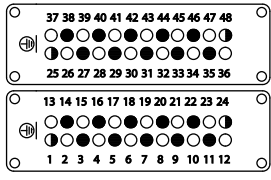
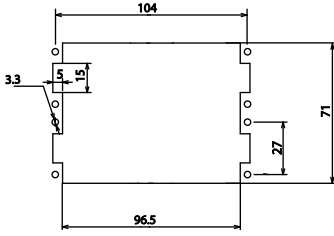

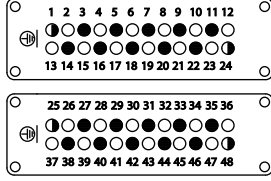
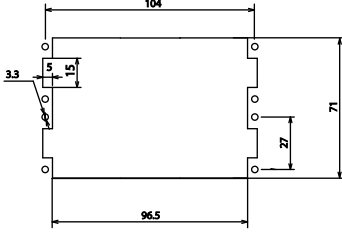
Secondo la norma EN61984 i connettori non devono essere connessi e sconnessi sotto carico

Spring terminal inserts <i>Inserti con terminali a molla</i>	Additional contacts for safe high voltage connections <i>Contatti ausiliari per la sicurezza delle connessioni</i>	Part No. Codice
<p>Female insert <i>Inserto femmina</i> 3p + ⊕ + 2 p</p>  <p>UL US SP CE RoHS</p> <p>For solid or stranded wires <i>Per fili rigidi o flessibili</i></p>	<p>Contact arrangement View from termination side Disposizione contatti <i>Vista lato terminazioni</i></p>    <p>Panel cut out for inserts For use without hood/housing Foratura di alloggiamento inserti <i>Per uso senza custodie</i></p>	<p>7503.5831.0</p>
<p>Male insert <i>Inserto maschio</i> 3p + ⊕ + 2 p</p>  <p>UL US SP CE RoHS</p> <p>For solid or stranded wires <i>Per fili rigidi o flessibili</i></p>	<p>Contact arrangement View from termination side Disposizione contatti <i>Vista lato terminazioni</i></p>    <p>Panel cut out for inserts For use without hood/housing Foratura di alloggiamento inserti <i>Per uso senza custodie</i></p>	<p>7503.5931.0</p>
<p>Hood/housing size 10B «57x27» <i>Custodie grandezza 10B «57x27»</i></p>	<p>Dimensions in mm Part No. bold letters refer to standard availability. Normal letters refer to items on special request. <i>Dimensioni in mm I codici in grassetto indicano i prodotti di normale disponibilità. Il carattere normale indica i prodotti speciali su richiesta.</i></p>	<p>Accessories, cable glands and tools see sections 50, 55 e 60 <i>Accessori, pressacavi ed attrezzi vedere sezioni 50, 55 e 60</i></p>

Spring terminal inserts <i>Inserti con terminali a molla</i>	Additional contacts for safe high voltage connections <i>Contatti ausiliari per la sicurezza delle connessioni</i>	Part No. Codice
<p>Female insert <i>Inserto femmina</i> 6p + ⊕ + 2 p</p>  <p>UL US SP CE RoHS</p> <p>For solid or stranded wires <i>Per fili rigidi o flessibili</i></p>	<p>Contact arrangement View from termination side Disposizione contatti <i>Vista lato terminazioni</i></p> <ul style="list-style-type: none"> ● Operating contact <i>Contatto operativo</i> ◐ Relay contact <i>Contatto ausiliario</i> ○ Without contact <i>Senza contatto</i>    <p>Panel cut out for inserts For use without hood/housing Foratura di alloggiamento inserti <i>Per uso senza custodie</i></p>	<p>7506.5832.0</p>
<p>Male insert <i>Inserto maschio</i> 6p + ⊕ + 2 p</p>  <p>UL US SP CE RoHS</p> <p>For solid or stranded wires <i>Per fili rigidi o flessibili</i></p>	<p>Contact arrangement View from termination side Disposizione contatti <i>Vista lato terminazioni</i></p> <ul style="list-style-type: none"> ● Operating contact <i>Contatto operativo</i> ◐ Relay contact <i>Contatto ausiliario</i> ○ Without contact <i>Senza contatto</i>    <p>Panel cut out for inserts For use without hood/housing Foratura di alloggiamento inserti <i>Per uso senza custodie</i></p>	<p>7506.5932.0</p>
<p>Hood/housing size 16B «77x27» Custodie grandezza 16B «77x27»</p>	<p>Dimensions in mm Part No. bold letters refer to standard availability. Normal letters refer to items on special request. Dimensioni in mm I codici in grassetto indicano i prodotti di normale disponibilità. Il carattere normale indica i prodotti speciali su richiesta.</p>	<p>Accessories, cable glands and tools see sections 50, 55 e 60 Accessori, pressacavi ed attrezzi vedere sezioni 50, 55 e 60</p>

Spring terminal inserts <i>Inserti con terminali a molla</i>	Additional contacts for safe high voltage connections <i>Contatti ausiliari per la sicurezza delle connessioni</i>	Part No. Codice
<p>Female insert <i>Inserto femmina</i> 10p + \oplus + 2 p</p>  <p>UL US SP CE RoHS</p> <p>For solid or stranded wires <i>Per fili rigidi o flessibili</i></p>	<p>Contact arrangement View from termination side <i>Disposizione contatti</i> <i>Vista lato terminazioni</i></p>     <p>Panel cut out for inserts For use without hood/housing <i>Foratura di alloggiamento inserti</i> <i>Per uso senza custodie</i></p>	<p>7510.5833.0</p>
<p>Male insert <i>Inserto maschio</i> 10p + \oplus + 2 p</p>  <p>UL US SP CE RoHS</p> <p>For solid or stranded wires <i>Per fili rigidi o flessibili</i></p>	<p>Contact arrangement View from termination side <i>Disposizione contatti</i> <i>Vista lato terminazioni</i></p>     <p>Panel cut out for inserts For use without hood/housing <i>Foratura di alloggiamento inserti</i> <i>Per uso senza custodie</i></p>	<p>7510.5933.0</p>
<p>Hood/housing size 24B «104x27» <i>Custodie grandezza 24B «104x27»</i></p>	<p>Dimensions in mm Part No. bold letters refer to standard availability. Normal letters refer to items on special request. <i>Dimensioni in mm I codici in grassetto indicano i prodotti di normale disponibilità. Il carattere normale indica i prodotti speciali su richiesta.</i></p>	<p>Accessories, cable glands and tools see sections 50, 55 e 60 <i>Accessori, pressacavi ed attrezzi vedere sezioni 50, 55 e 60</i></p>

Spring terminal inserts <i>Inserti con terminali a molla</i>	Additional contacts for safe high voltage connections <i>Contatti ausiliari per la sicurezza delle connessioni</i>	Numbering <i>Numerazione</i>	Part No. <i>Codice</i>
<p>Female inserts <i>Inserti femmina</i> 12(6x2)p + ⊕ + 4 p</p>  <p>UL US CSA CE RoHS</p> <p>For solid or stranded wires <i>Per fili rigidi o flessibili</i></p>	<p>Inserts dimensions see page 04.18 <i>Dimensioni degli inserti vedere pag. 04.18</i></p>  <p>Contact arrangement View from termination side <i>Disposizione contatti</i> Vista lato terminazioni</p> <ul style="list-style-type: none"> ● Operating contact <i>Contatto operativo</i> ◐ Relay contact <i>Contatto ausiliario</i> ○ Without contact <i>Senza contatto</i>  <p>Panel cut out for inserts For use without hood/housing <i>Foratura di alloggiamento inserti</i> Per uso senza custodie</p>	<p>1-16</p> <p>17-32</p>	<p>7506.5832.0</p> <p>7506.5834.0</p> <p>Remark: 2 inserts are required per hood/housing <i>Attenzione: sono necessari 2 inserti ogni custodia</i></p>
<p>Male inserts <i>Inserti maschio</i> 12(6x2)p + ⊕ + 4 p</p>  <p>UL US CSA CE RoHS</p> <p>For solid or stranded wires <i>Per fili rigidi o flessibili</i></p>	<p>Inserts dimensions see page 04.18 <i>Dimensioni degli inserti vedere pag. 04.18</i></p>  <p>Contact arrangement View from termination side <i>Disposizione contatti</i> Vista lato terminazioni</p> <ul style="list-style-type: none"> ● Operating contact <i>Contatto operativo</i> ◐ Relay contact <i>Contatto ausiliario</i> ○ Without contact <i>Senza contatto</i>  <p>Panel cut out for inserts For use without hood/housing <i>Foratura di alloggiamento inserti</i> Per uso senza custodie</p>	<p>1-16</p> <p>17-32</p>	<p>7506.5932.0</p> <p>7506.5934.0</p> <p>Remark: 2 inserts are required per hood/housing <i>Attenzione: sono necessari 2 inserti ogni custodia</i></p>
<p>Hood/housing size 32B «77x62» <i>Custodie grandezza 32B «77x62»</i></p>	<p>Dimensions in mm Part No. bold letters refer to standard availability. Normal letters refer to items on special request. <i>Dimensioni in mm I codici in grassetto indicano i prodotti di normale disponibilità. Il carattere normale indica i prodotti speciali su richiesta.</i></p>	<p>Accessories, cable glands and tools see sections 50, 55 e 60 <i>Accessori, pressacavi ed attrezzi vedere sezioni 50, 55 e 60</i></p>	

Spring terminal inserts <i>Inserti con terminali a molla</i>	Additional contacts for safe high voltage connections <i>Contatti ausiliari per la sicurezza delle connessioni</i>	Numbering <i>Numerazione</i>	Part No. <i>Codice</i>
<p>Female inserts <i>Inserti femmina</i> 20(10x2)p + ⊕ + 4 p</p>  <p>UL US CSF CE RoHS</p> <p>For solid or stranded wires <i>Per fili rigidi o flessibili</i></p>	<p>Inserts dimensions see page 04.19 <i>Dimensioni degli inserti vedere pag. 04.19</i></p>  <p>Contact arrangement View from termination side <i>Disposizione contatti</i> Vista lato terminazioni</p> <ul style="list-style-type: none"> ● Operating contact <i>Contatto operativo</i> ◐ Relay contact <i>Contatto ausiliario</i> ○ Without contact <i>Senza contatto</i>  <p>Panel cut out for inserts For use without hood/housing <i>Foratura di alloggiamento inserti</i> Per uso senza custodia</p>	<p>1-24</p> <p>25-48</p>	<p>7510.5833.0</p> <p>7510.5835.0</p> <p>Remark: 2 inserts are required per hood/housing <i>Attenzione: sono necessari 2 inserti ogni custodia</i></p>
<p>Male inserts <i>Inserti maschio</i> 20(10x2)p + ⊕ + 4 p</p>  <p>UL US CSF CE RoHS</p> <p>For solid or stranded wires <i>Per fili rigidi o flessibili</i></p>	<p>Inserts dimensions see page 04.19 <i>Dimensioni degli inserti vedere pag. 04.19</i></p>  <p>Contact arrangement View from termination side <i>Disposizione contatti</i> Vista lato terminazioni</p> <ul style="list-style-type: none"> ● Operating contact <i>Contatto operativo</i> ◐ Relay contact <i>Contatto ausiliario</i> ○ Without contact <i>Senza contatto</i>  <p>Panel cut out for inserts For use without hood/housing <i>Foratura di alloggiamento inserti</i> Per uso senza custodia</p>	<p>1-24</p> <p>25-48</p>	<p>7510.5933.0</p> <p>7510.5935.0</p> <p>Remark: 2 inserts are required per hood/housing <i>Attenzione: sono necessari 2 inserti ogni custodia</i></p>
<p>Hood/housing size 48B «104x62» <i>Custodie grandezza 48B «104x62»</i></p>	<p>Dimensions in mm Part No. bold letters refer to standard availability. Normal letters refer to items on special request. <i>Dimensioni in mm I codici in grassetto indicano i prodotti di normale disponibilità. Il carattere normale indica i prodotti speciali su richiesta.</i></p>	<p>Accessories, cable glands and tools see sections 50, 55 e 60 <i>Accessori, pressacavi ed attrezzi vedere sezioni 50, 55 e 60</i></p>	