



# **HEAVY DUTY MULTIPOLE CONNECTORS**

## Bases<sup>†</sup>





Series E	32 pole	9S+ <u></u>			
Pg Part #	Pg	NPT Part #	NPT	Surface Mounting Housings	OEM Part #
ES1L32S7	36	ES1L32S7	1-1/4"	single lever, single port	CHP 32 L
ES2L32S7	36 x 2	ES2L32S7	1-1/4" x 2	single lever, double port	CHP 32 L2
ES1L32S6	29	ES1L32S12	1"	single lever, single port	CHP 32 L29
ES2L32S6	29 x 2	ES2L32S12	1" x 2	single lever, double port	CHP 32 L229
ES1L32S8*	42	ES1L32S8*	1-1/2"	single lever, single port	CHP 32 L42
ES2L32S8*	42 x 2	ES2L32S8*	1-1/2" x 2	single lever, double port	CHP 32 L242
ES1L32SC7	36	ES1L32SC7	1-1/4"	single lever and cover, single port	CHP 32 LS
ES2L32SC7	36 x 2	ES2L32SC7	1-1/4" x 2	single lever and cover, double port	CHP 32 LS2
ES1L32SC6	29	ES1L32SC12	1"	single lever and cover, single port	CHP 32 LS29
ES2L32SC6	29 x 2	ES2L32SC6	1" x 2	single lever and cover, double port	CHP 32 LS229
ES1L32SC8*	42	ES1L32SC8*	1-1/2"	single lever and cover, single port	CHP 32 LS42
ES2L32SC8*	42 x 2	ES2L32SC8*	1-1/2" x 2	single lever and cover, double port	CHP 32 LS242

## Hoods†



Series E	Series E 32 poles + ↓				
Pg Part #	Pg	NPT Part #	NPT	Hoods	OEM Part #
ESEP32D7	36	ESEP32D13	1-1/4"	four pegs, side entry	CHO 32
ESEP32D6	29	ESEP32D12	1"	four pegs, side entry	CHO 32.29
ESEP32D8*	42	ESEP32D14*	1-1/2"	four pegs, side entry	CHO 32.42
ETEP32D7	36	ETEP32D13	1-1/4"	four pegs, top entry	CHV 32
ETEP32D6	29	ETEP32D12	1"	four pegs, top entry	CHV 32.29
ETEP32D8*	42	ETEP32D14*	1-1/2"	four pegs, top entry	CHV 32.42
ECC32D7	36	ECC32D13	1-1/4"	double levers, top entry, cable coupler	CHV 32 G
ECC32D6	29	ECC32D13	1"	double levers, top entry, cable coupler	CHV 32 G29
ECC32D8*	42	ECC32D14*	1-1/2"	double levers, top entry, cable coupler	CHV 32 G42
ESEP32S7	36	ESEP32S13	1-1/4"	two pegs, side entry	CHO 32 L
ETEP32S7	36	ETEP32S13	1-1/4"	two pegs, top entry	CHV 32 L
ECC32S7	36	ECC32S13	1-1/4"	single lever, top entry, cable coupler	CHV 32 LG
ESEL32D7	36	ESEL32D13	1-1/4"	double levers, side entry	CHO 32 X
ETEL32D7	36	ETEL32D13	1-1/4"	double levers, top entry	CHV 32 X

## Covers†



Series E	<i>32 poles+</i>	
Part #	Covers	OEM Part #
EP32DL	four pegs (for housings with double levers)	CHC 32
EP32SL	two pegs (for housings with single lever)	<b>CHC 32 L</b>
EL32DL	double levers (for hoods with four pegs)	CHC 32 G
EL32SL	single lever (for hoods with two pegs)	CHC 32 LG

<sup>\*</sup> special order, consult factory for delivery

<sup>†</sup> compatible with "Harting" only



#### CH and MH enclosures size "77.62" standard version hoods covers with 2 levers insert centre distance: 2 x (77.5 x 27) mm The covers for C, G and LG versions cannot be used together with coding pins. If this application is required, please contact ILME SpA. description part No. entry part No. entry part No. Pg with levers, side entry 1) CHO 32 X 36 MHO 32 X40 40 with levers, side entry, without adaptor \* 1) CFO 32 X MFO 32 X40 36 40 with levers, top entry 1) CHV 32 X 36 MHV 32 X40 40 CFV 32 X MFV 32 X40 40 with levers, top entry, without adaptor \* 1) 36 with 4 pegs (for enclosures with 2 levers with gasket) with 4 pegs and gasket (for enclosures with 2 levers) <sup>2</sup> CHC 32 CHC 32 C CHC 32 L with 2 pegs (for enclosures with 1 lever with gasket) with 2 levers (for hoods with 4 pegs) with 1 lever (for hoods with 2 pegs) CHC 32 G CHC 32 LG \* enclosure without adaptor, threaded on the body, to dimensions in mm dimensions in mm be used only with a complete cable clamp. CHO/CFO X and MHO/MFO X СНС <sup>1)</sup> May be combined with CHI 32 CS housings Pg/M <sup>2)</sup> May be combined with hoods: - CHO/CFO 32 X and CHV/CFV 32 X 94 - MHO/MFO 32 X and MHV/MFV 32 X CHC C 82.5 153 98.5 CHV/CFV X and MHV/MFV X CHC L 117 max CHC G 82.5 153 98.5 Type 4/4X/12 CHC LG dimensions shown are not binding and may be changed without notice





# **HEAVY DUTY MULTIPOLE CONNECTORS**

#### **Inserts**





Series E	<i>32 poles+</i>		
Part #	Screw Terminal with wire protection	OEM Part #	
E16RS + E32RS	female inserts, No. (1 $\div$ 16) and (17 $\div$ 32)	CNEF 16 TN	
E16PS + E32PS	male inserts, No. (1 $\div$ 16) and (17 $\div$ 32)	CNEM 16 TN	
Part #	Cage Clamp		
<b>E16RG + E32RG</b> female inserts, No. $(1 \div 16)$ and $(17 \div 32)$			
E16PG + E32PG	male inserts, No. (1 ÷ 16) and (17 ÷ 32)		
+ Both part numbers <b>must</b> be ordered <b>Wire conductor range:</b> 20 ÷ 12 AWG			



Series S		12 poles + 👙 35A max - 600V	
Part #		Screw Terminal	OEM Part #
S06RS +	S12RS	female inserts, No. (1 ÷ 6), white and black	<b>CPF 06 N</b>
S06PS +	S12PS	male inserts, No. (1 ÷ 6), white and black	CPM 06 N
+ Both part numbers must be ordered. Wire conductor range: 16 : 10 AWG			



Series D	<i>80 poles</i> + <i>\infty</i> 10A max - 600V
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Part #	Crimp Terminal	OEM Part #
D40RC(x2)	female inserts, No. (1 ÷ 40)	CDF 40
D40PC(x2)	male inserts, No. (1 ÷ 40)	CDM 40

Wire conductor range: 22 ÷ 14 AWG 10A Crimp Contacts must be ordered separately



Series DD	$144 poles + \neq 10A max - 600V$
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Part #	Crimp Terminal	OEM Part #
DD72RC DD144RC	female inserts, No. (1 $\div$ 72) and (73 $\div$ 144)	CDDF 72 N
DD72PC DD144PC	male inserts. No. $(1 \div 72)$ and $(73 \div 144)$	CDDM 72 N

Wire conductor range: 22 ÷ 14 AWG

10A Crimp Contacts must be ordered separately



Series EQ	64 poles $+ \neq 16A \text{ max} - 600V$
Part #	Inserts, Crimp Connections

**EQ32RC** + **EQ64RC** female inserts, No.  $(1 \div 32)$  and  $(33 \div 64)$ **EQ32PC** + **EQ64PC** male inserts, No.  $(1 \div 72)$  and  $(33 \div 64)$ 

Wire conductor range: 20 ÷ 12 AWG

16A Crimp Contacts must be ordered separately



Series E	<i>32 poles</i> + <del>↓</del>

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Part #	Panel Mounting Housings	OEM Part #
EPML32D	double levers	CHI 32
EPMP32DC	four pegs with cover	CHI 32 CS
EPML32S	single lever	CHI 32 L
EPML32SC	single lever with cover	CHI 32 LS



Series	E	32	poi	es	+-	Ī
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Pg Part #	Pg	NPT Part #	NPT	Surface Mounting Housings	OEM Part #
ES1L32D7	36	ES1L32D13	1-1/4"	double levers, single port	CHP 32
ES2L32D7	36 x 2	ES2L32D13	1-1/4" x 2	double levers, double port	CHP 32.2
ES1L32D6	29	ES1L32D12	1"	double levers, single port	CHP 32.29
ES2L32D6	29 x 2	ES2L32D12	1" x 2	double levers, double port	CHP 32.229
ES1L32D8*	42	ES1L32D14*	1-1/2"	double levers, single port	CHP 32.42
ES2L32D8*	42 x 2	ES2L32D14*	1-1/2" x 2	double levers, double port	CHP 32.242

<sup>\*</sup> special order, consult factory for delivery † compatible with "Harting" only





# GENERAL FEATURES OF MULTIPOLE CONNECTORS FOR INDUSTRIAL PURPOSES

- Threaded cable passage in various Pg diameters, metric diameters in accordance with EN 60423 and "NPT" diameters, for cable entry devices in accordance with EN 50262, may be located vertically, horizontally or frontally.
- 2 Heavy duty enclosures in die-cast aluminium alloy or self-extinguishing thermoplastic (A-03 series).
  - Wall mounting or bulkhead housings and hoods are available, with or without fixed covers or with mobile protection covers.
- Metallic enclosures with a coated finish of epoxy-polyester with high resistance to mechanical stress and external agents. Enclosures used with temperatures of up to 180°C and in aggressive environments

- are treated with special coatings. Where electromagnetic compatibility is necessary: EMC enclosures with high conductivity and high corrosion resistance surface treatment.
- 4 Inserts in self-extinguishing thermoplastic material reinforced with glass fibres, UL approved, with a limit working temperature from -40°C to +125°C.

  For some series, inserts in PPS (polyphenylene sulphide) may be requested for special uses with temperatures of up to 180°C.
- Polarized inserts with asymmetric guide rails for preventing incorrect coupling. The inserts have a mechanical duration equal to or over 500 coupling cycles.

- Inserts manufactured in conformity with the DIN VDE 0627 standard and are certified and identified with the UL and CSA marks.
- Special seal gaskets in vinyl nitrile elastomer or fluoro elastomer (on enclosures for use with maximum temperatures of 180°C and for aggressive environments), in antiaging, oil-resistant, fuel-resistant, together with the cable entry devices (not supplied) provide an IP66 degree of protection for coupled connectors.
  - Special conductive seals for EMC enclosures.
- Stainless steel closure levers and springs guarantee a perfect closure and sealing.
- Q Locking device available in two versions, simple (with one lever), or double (with two levers).
- Various types of handles are available: in self-extinguishing, thermoplastic material reinforced with glass fibres; in die-cast aluminium (for special use with temperatures of up to 180°C); monoblock stainless steel handles (A-03 enclosures and for special uses with temperatures of up to 180°C).
- 1 Unlosable insert fastening screws, with antiloosening flexible washer.
- Contacts position identified with numbers or codes on both sides of each insert and laser printed or moulded.
- Contacts in silver or goldplated brass (special order) with connections to the conductors made via unlosable unloosened screws, spring terminal, crimping or incorporated 45° terminal block connectors (with screw or spring terminal)
- Earth terminal protection with wide contact surface.
- Pegs and levers supplied with antifriction rings that facilitate closure and limit wear and tear.
- CE marking attesting conformity to the requirements of the Low Voltage directive 73/23/EEC and its modification 93/68/EEC.

