


Part number

# CMEF 16 N



Female insert, CME series, screw terminal connection, 16 poles + PE, 16 A 400/690 V 6 kV 3 / 16 A 500 V 6 kV 3, size "104.62", black colour

Product description		Material properties	
<b>Product type</b>	Insert	<b>Main material</b>	Polycarbonate (PC)
<b>Series</b>	CME	<b>Other materials</b>	Contacts: copper alloy
<b>Connection type</b>	Screw terminal connection	<b>Colour</b>	RAL 9005 black
<b>Gender</b>	Female	<b>RoHs conformity</b>	Compliant with exemption 6(c): copper alloy containing up to 4% lead by weight
<b>N. of poles</b>	32 poles + 	<b>China RoHs - EFUP</b>	50
<b>Auxiliary poles</b>	2 poles	<b>REACH SVHC substances</b>	Yes Lead
<b>Size</b>	Size 104.62	<b>SCIP number</b>	1a9c93ff-0445-4a16-81e3-1609ac5274d6
<b>Specification</b>	Black colour	<b>Approvals / Standards</b>	
<b>Technical data</b>		<b>Reference standard</b>	EN 61984:2009-06
<b>Current</b>	16 A	<b>Certifications</b>	CSA, CQC, DNV, BV, EAC
<b>Voltage</b>	400 - 690 V	<b>UL</b>	ECBT2
<b>Rated impulse withstand voltage</b>	6 kV	<b>cUL</b>	ECBT8
<b>Pollution degree</b>	3	<b>General ordering information</b>	
<b>Rated voltage according to UL/CSA</b>	600V	<b>EAN13 code</b>	8015747148849
<b>Wire cross-section</b>	0,75 mm <sup>2</sup> - 2,50 mm <sup>2</sup>	<b>ETIM 7.0</b>	EC000438
<b>AWG size</b>	18 - 14	<b>Packaging Information</b>	
<b>Contact type</b>	Turned silver plated	<b>Sub-packaging length</b>	113,00 mm
<b>IP degree of protection</b>	IP20 without enclosure, IP65/IP66 with enclosure	<b>Sub-packaging height</b>	36,00 mm
<b>Further technical details</b>		<b>Sub-packaging width</b>	180,00 mm
<b>Characteristics according to EN 61984</b>	16A 400/690V 6kV 3 (aux: 16A 500V 6kV 3); 16A 1000V 8kV 2 (power contacts only)	<b>Sub-packaging weight</b>	0,69 kg
<b>Mating cycles</b>	≥ 500	<b>Sub-packaging volume</b>	0,73 dm <sup>3</sup>
<b>Insulation resistance</b>	≥ 10 GΩ	<b>Sub-packaging description</b>	Carton tray
<b>Weight</b>	138,00 g	<b>Sub-packaging quantity</b>	5 Pcs
<b>Operating temperature range (min, max)</b>	-40 °C ... +125 °C	<b>Sub-packaging EAN barcode</b>	8015747167642
<b>UL 94 flammability rating</b>	V-0		

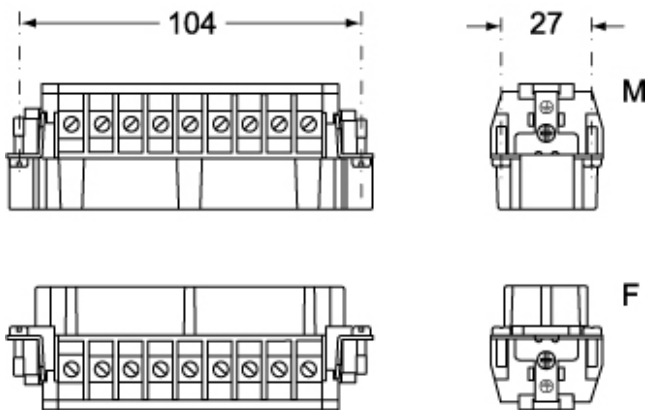
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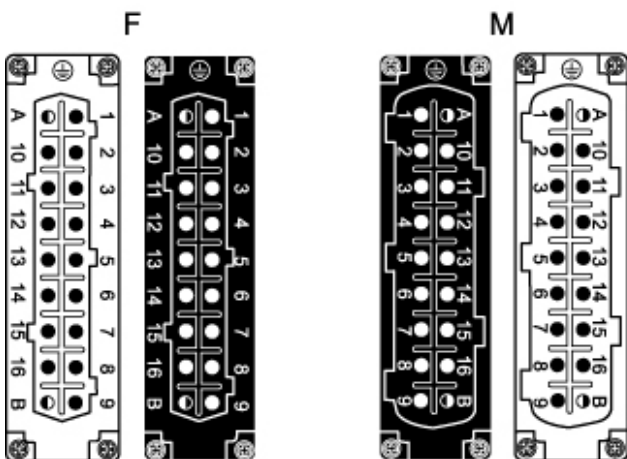


Catalogue drawings

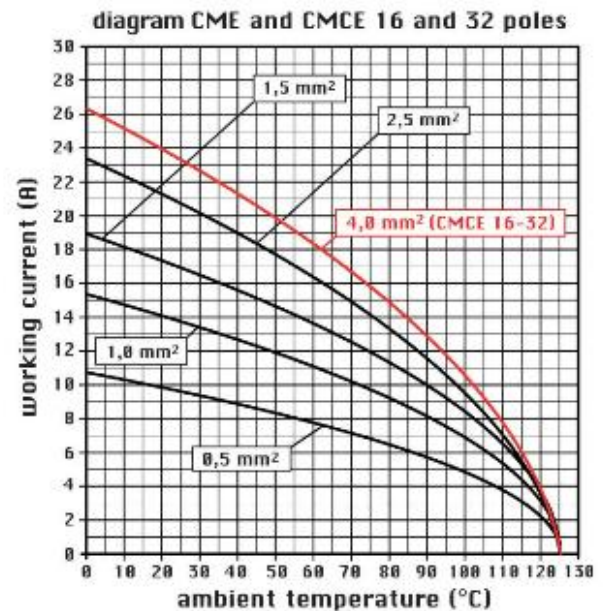
## CMEM 16 (N)



## CMEF 16 (N)



Catalogue drawings



## Notes

CMEF/M 16 N inserts:

- inserts with plate, for section conductors:

0.75 - 2.5 mm<sup>2</sup> - AWG 18 - 14

- conductors stripping length: 7 mm

- terminal screw torque: 0.5 Nm (4.4 lb.in), for more

- characteristics according to EN 61984:

16A 400/690V 6kV 3

16A 1000V 8kV 2

16A 720/1250V 8kV 2

- auxiliary contacts: 16A 500V 6kV 3

- UL, CSA, CCC, GOST certified

- rated voltage according to UL/CSA: 600V

- insulation resistance: > 10 GOhm

- ambient temperature limit: -40 °C ... +125 °C

- are made of self-extinguishing thermoplastic resin UL 94 V0

- mechanical life: > 500 cycles

- contact resistance: < 1 mOhm

- inserts and enclosures for applications with temperatures up to 180 °C, available on request;

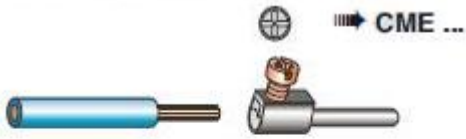
- enclosures: size 104.62:

C-TYPE IP65/IP66

W-TYPE aggressive environments

Dimensions shown in mm are not binding and may be changed without notice.

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- CME....: for non-prepared conductors
- inserts with plate, for section conductors:  
0.5 - 4 mm<sup>2</sup> - AWG 20 - 12
  - conductors stripping length: 7 mm
  - terminal screw torque: 0.5 Nm



- CME .....X: or bush terminal conductors
- inserts without plate, for section conductors:  
0.25 - 2.5 mm<sup>2</sup> - AWG 24 - 14
  - conductors stripping length: 7 mm
  - terminal screw torque: 0.5 Nm

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### California Proposition 65 Information



### WARNING

This product can expose you to lead and its compounds, known to the State of California to cause cancer and/or reproductive toxicity. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

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