

CABLE-EC56-F-F-0,34-S/... - Cable



2906066

<https://www.phoenixcontact.com/us/products/2906066>

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Assembled shielded round cable; connection 1: EDAC/ELCO socket strip (1x 56-position); connection 2: EDAC/ELCO socket strip (1x 56-position); cable length: variable



Commercial data

Item number	2906066
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C492
Product key	DK2281
Customs tariff number	85444290
Country of origin	DE

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Technical data

Product properties

Product type	System cable
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Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-20 °C ... 60 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C

Electrical properties

Max. permissible operating voltage	25 V AC
	60 V DC
Max. current carrying capacity per path	1.5 A

Cable/line

Cable length	variable
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56X0.34 [PVC]

UL AWM Style	2464/1061
Number of positions	56
Shielded	yes
Cable type	56X0.34 [PVC]
Conductor type	Assembled shielded round cable
Conductor structure signal line	19x 0.15 mm
AWG signal line	22
Conductor cross-section	56x 0.34 mm ²
Wire diameter incl. insulation	1.3 mm ±0.05 mm
External cable diameter	14.10 mm ±0.5 mm
Outer sheath, material	Semi-rigid PVC
External sheath, color	gray
Conductor material	Bare Cu litz wires
Cable resistance	≤ 60 Ω/km (at 20 °C)
Insulation resistance	≥ 20 MΩ*km (at 20 °C)
Dynamic load capacity (bending)	Max. bending cycles: 5000 (at a radius of ≥ 15x outside diameter)
Halogen-free	no
Flame resistance	IEC 60332-1-2 (raw cable)
	VDE 0842, Part 332-1-2 (raw cable)
	IEC 60332-3-22 (raw cable)
	UL VW-1
	CSA FT-1
Resistance to oil	can withstand occasional splashes (raw cable)

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Color code: Single-core wire

pink-brown-black	X1 (Z) = X2 (Z)
white	X1 (A) = X2 (A)
brown	X1 (B) = X2 (B)
green	X1 (C) = X2 (C)
yellow	X1 (D) = X2 (D)
gray	X1 (E) = X2 (E)
pink	X1 (F) = X2 (F)
blue	X1 (H) = X2 (H)
red	X1 (J) = X2 (J)
black	X1 (K) = X2 (K)
violet	X1 (L) = X2 (L)
gray-pink	X1 (M) = X2 (M)
red-blue	X1 (N) = X2 (N)
white-green	X1 (P) = X2 (P)
brown-green	X1 (R) = X2 (R)
white-yellow	X1 (S) = X2 (S)
yellow-brown	X1 (T) = X2 (T)
white-gray	X1 (U) = X2 (U)
gray-brown	X1 (V) = X2 (V)
white-pink	X1 (W) = X2 (W)
pink-brown	X1 (X) = X2 (X)
white-blue	X1 (a) = X2 (a)
brown-blue	X1 (b) = X2 (b)
white-red	X1 (c) = X2 (c)
brown-red	X1 (d) = X2 (d)
white-black	X1 (e) = X2 (e)
brown-black	X1 (f) = X2 (f)
gray-green	X1 (h) = X2 (h)
yellow-gray	X1 (j) = X2 (j)
pink-green	X1 (k) = X2 (k)
yellow-pink	X1 (l) = X2 (l)
green-blue	X1 (m) = X2 (m)
yellow-blue	X1 (n) = X2 (n)
green-red	X1 (p) = X2 (p)
yellow-red	X1 (r) = X2 (r)
green-black	X1 (s) = X2 (s)
yellow-black	X1 (t) = X2 (t)
gray-blue	X1 (u) = X2 (u)
pink-blue	X1 (v) = X2 (v)
gray-red	X1 (w) = X2 (w)
pink-red	X1 (x) = X2 (x)
gray-black	X1 (y) = X2 (y)

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pink-black	X1 (z) = X2 (z)
blue-black	X1 (AA) = X2 (AA)
red-black	X1 (BB) = X2 (BB)
white-brown-black	X1 (CC) = X2 (CC)
yellow-green-black	X1 (DD) = X2 (DD)
gray-pink-black	X1 (EE) = X2 (EE)
blue-red-black	X1 (FF) = X2 (FF)
white-green-black	X1 (HH) = X2 (HH)
green-brown-black	X1 (JJ) = X2 (JJ)
white-yellow-black	X1 (KK) = X2 (KK)
yellow-brown-black	X1 (LL) = X2 (LL)
white-gray-black	X1 (MM) = X2 (MM)
gray-brown-black	X1 (NN) = X2 (NN)
white-pink-black	X1 (Y) = X2 (Y)

Connection data

Field level

Connection method	EDAC/ELCO socket strip
Coding	1-1
Number of connections	1
Number of positions	56

Controller level

Connection method	EDAC/ELCO socket strip
Coding	1-1
Number of connections	1
Number of positions	56

Notes

Notes on operation	For proper use, the specifications of the installation directive (see Downloads) must be observed. For applications or use with third-party products, the specifications, and the safety and warning instructions of the respective third-party manufacturer must also be met.
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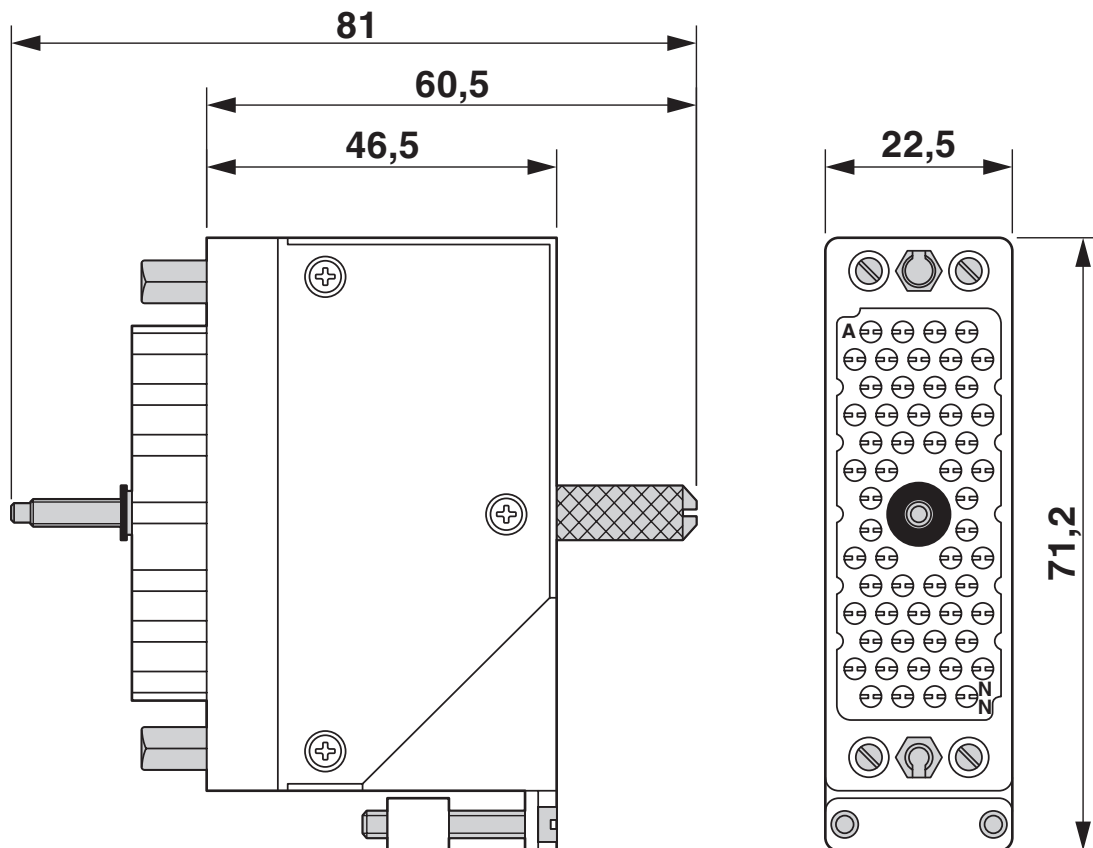
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Drawings

Dimensional drawing



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2906066>



EAC

Approval ID: RU*-DE.HB*35.B00385

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Classifications

ECLASS

ECLASS-13.0	27242220
ECLASS-15.0	27242220

ETIM

ETIM 10.0	EC000237
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UNSPSC

UNSPSC 21.0	26121600
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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