

# CABLE-EC56/F/OE/0,34/S/20,0M - Cable



2903402

<https://www.phoenixcontact.com/us/products/2903402>

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Assembled shielded round cable; connection 1: Single wires (56-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: EDAC/ELCO socket strip (1x 56-position); cable length: 20 m

## Commercial data

Item number	2903402
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	C421
Product key	DK2281
GTIN	4046356734158
Weight per piece (including packing)	7,435 g
Weight per piece (excluding packing)	7,435 g
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	20 m
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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 <sup>2</sup>
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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## Connection data

### Field level

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

### Controller level

Connection method	Single wires
Coding	1-1
Number of positions	56
Note	The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.

## 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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# CABLE-EC56/F/OE/0,34/S/20,0M - Cable

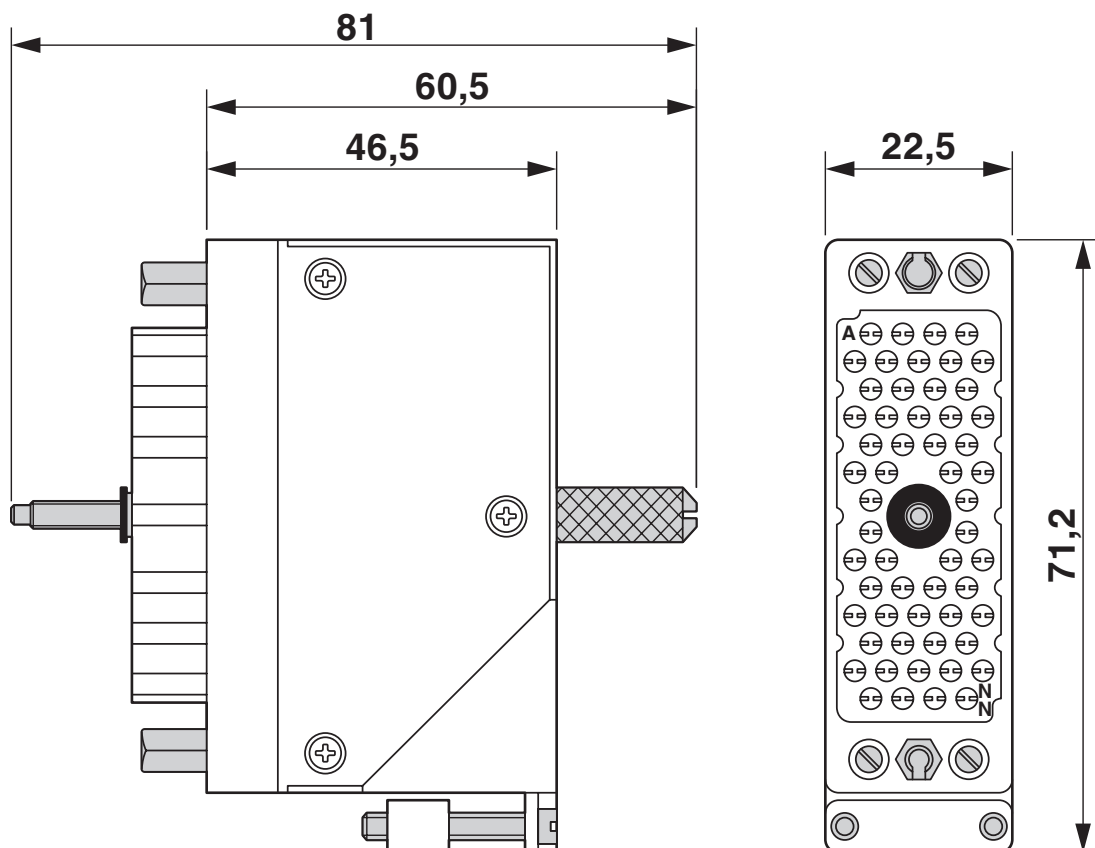
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## Drawings

Dimensional drawing



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## Connection diagram

Individual wire marking	EDAC socket plug-in connector	Individual wire marking	EDAC socket plug-in connector
<b>Z</b>	<b>Z</b>	<b>31</b>	<b>m</b>
<b>1</b>	<b>A</b>	<b>32</b>	<b>n</b>
<b>2</b>	<b>B</b>	<b>33</b>	<b>p</b>
<b>3</b>	<b>C</b>	<b>34</b>	<b>r</b>
<b>4</b>	<b>D</b>	<b>35</b>	<b>s</b>
<b>5</b>	<b>E</b>	<b>36</b>	<b>t</b>
<b>6</b>	<b>F</b>	<b>37</b>	<b>u</b>
<b>7</b>	<b>H</b>	<b>38</b>	<b>v</b>
<b>8</b>	<b>J</b>	<b>39</b>	<b>w</b>
<b>9</b>	<b>K</b>	<b>40</b>	<b>x</b>
<b>10</b>	<b>L</b>	<b>41</b>	<b>y</b>
<b>11</b>	<b>M</b>	<b>42</b>	<b>z</b>
<b>12</b>	<b>N</b>	<b>43</b>	<b>AA</b>
<b>13</b>	<b>P</b>	<b>44</b>	<b>BB</b>
<b>14</b>	<b>R</b>	<b>45</b>	<b>CC</b>
<b>15</b>	<b>S</b>	<b>46</b>	<b>DD</b>
<b>16</b>	<b>T</b>	<b>47</b>	<b>EE</b>
<b>17</b>	<b>U</b>	<b>48</b>	<b>FF</b>
<b>18</b>	<b>V</b>	<b>49</b>	<b>HH</b>
<b>19</b>	<b>W</b>	<b>50</b>	<b>JJ</b>
<b>20</b>	<b>X</b>	<b>51</b>	<b>KK</b>
<b>21</b>	<b>a</b>	<b>52</b>	<b>LL</b>
<b>22</b>	<b>b</b>	<b>53</b>	<b>MM</b>
<b>23</b>	<b>c</b>	<b>54</b>	<b>NN</b>
<b>24</b>	<b>d</b>	<b>Y</b>	<b>Y</b>
<b>25</b>	<b>e</b>		
<b>26</b>	<b>f</b>		
<b>27</b>	<b>h</b>		
<b>28</b>	<b>j</b>		
<b>29</b>	<b>k</b>		
<b>30</b>	<b>l</b>		

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## Classifications

### UNSPSC

UNSPSC 21.0	26121620
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## Environmental product compliance

### 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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