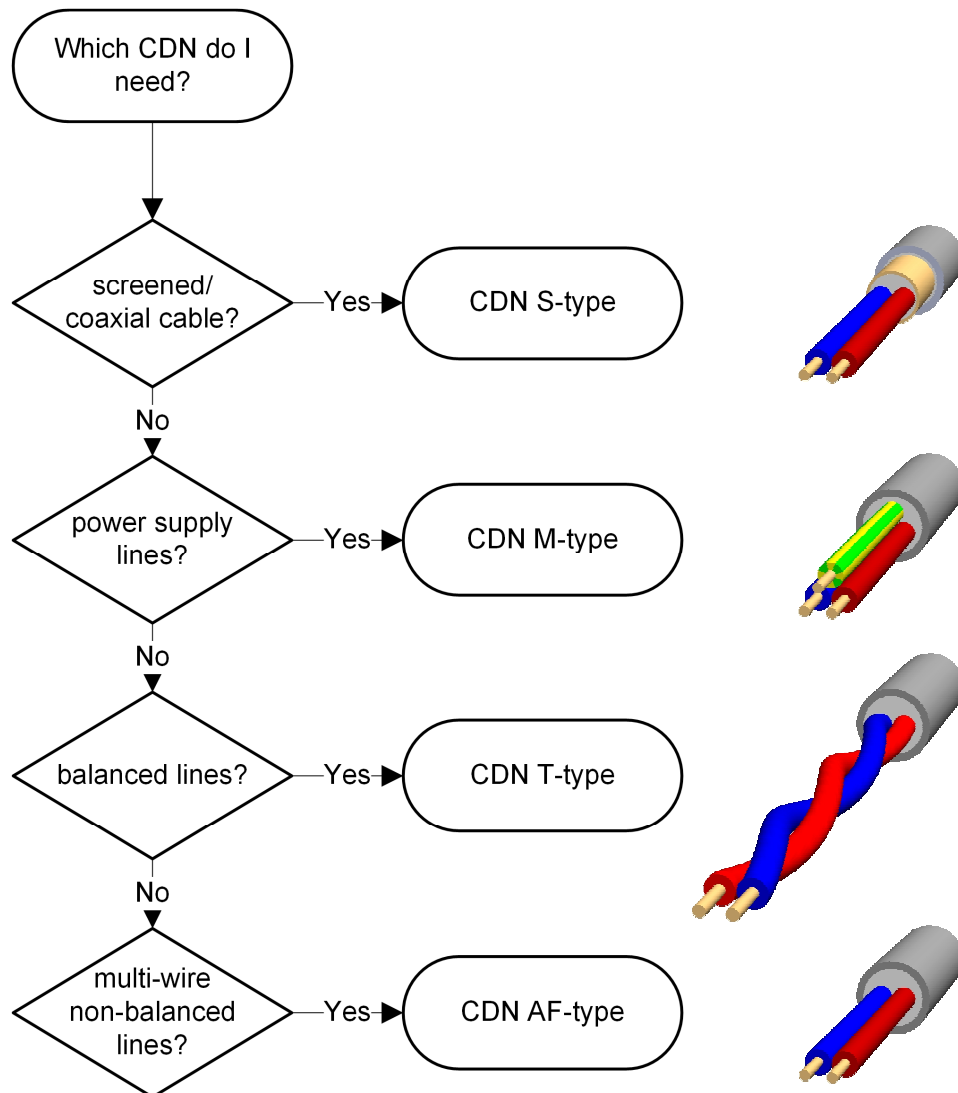


## CDN Overview

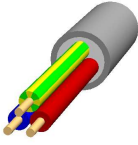
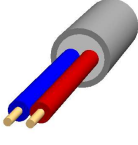
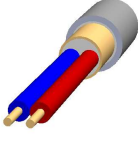
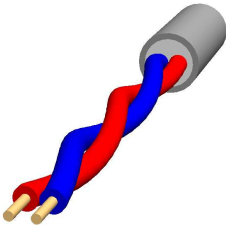
Die Koppel- / Entkoppelnetzwerke (CDN) dienen zur Einkopplung von Gleichtakt-Störgrößen auf Prüflinge. Darüberhinaus sorgen sie für eine ausreichende Entkopplung der Zusatzeinrichtung vom Störsignal. Die Eigenschaften und Anwendung der CDNs sind in der Norm IEC 61000-4-6 (Störfestigkeit gegen leitungsgeführte Störgrößen, induziert durch hochfrequente Felder), beschrieben. CDNs weisen eine Gleichtaktimpedanz von 150 Ohm auf und sind für eine Vielzahl von Leitungsarten und Steckertypen verfügbar.

The Coupling- / Decoupling Networks are used to inject common mode disturbances to Equipment under Test (EuT). Further the CDNs provide sufficient decoupling between Auxiliary Equipment (AE) and disturbance signal. The requirements for CDN and their application are described in the standard IEC 61000-4-6 (Immunity to conducted disturbances, induced by radio-frequency fields). CDNs have a common mode impedance of 150 Ohm and are available for a multitude of cable types and connectors.



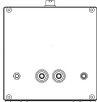
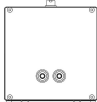

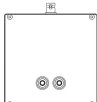
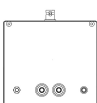
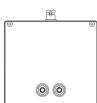
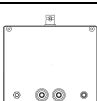
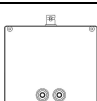
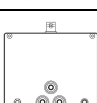
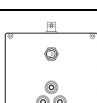
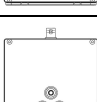
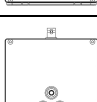
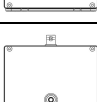
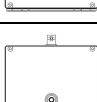
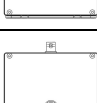
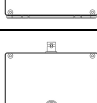
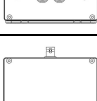
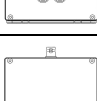
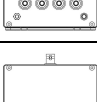
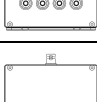
## CDN Quick-Selection





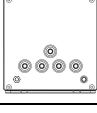
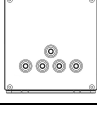
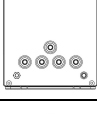
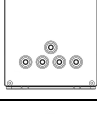
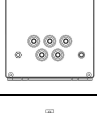
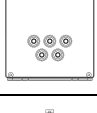




## CDN Cable Overview

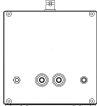
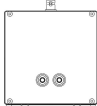
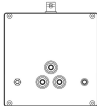
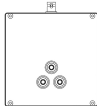


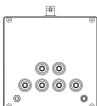
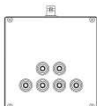
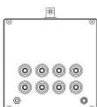
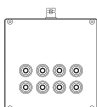
Cable type	CDN type	Application	Product range
	<b>M type</b>	<ul style="list-style-type: none"> <li>• Mains</li> <li>• Unscreened lines</li> <li>• Unbalanced lines</li> <li>• AC or DC</li> <li>• Power supply applications</li> <li>• High current</li> </ul>	CDN M1 CDN M2 CDN M2/3PE CDN M3 CDN M3PE CDN M4 CDN M4PE CDN M5PE
	<b>AF type</b>	<ul style="list-style-type: none"> <li>• Unscreened lines</li> <li>• Unbalanced lines</li> <li>• Low current</li> </ul>	CDN AF2 CDN AF3 CDN AF4 CDN AF6 CDN AF8
	<b>S type</b>	<ul style="list-style-type: none"> <li>• Coaxial cables</li> <li>• Shielded lines</li> <li>• Screened lines</li> </ul>	CDN S1 CDN S2 CDN S4 CDN S8 CDN S9 CDN S15 CDN S19 CDN S24 CDN S25
	<b>T type</b>	<ul style="list-style-type: none"> <li>• Unscreened lines</li> <li>• Balanced lines</li> <li>• Telecommunication ports</li> <li>• Unshielded twisted pairs</li> </ul>	CDN T2 CDN T4 CDN T8
<b>other models on request</b>			

## CDN M-type





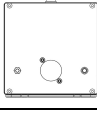
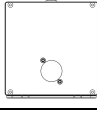
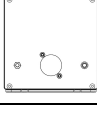
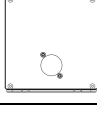
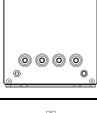
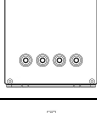
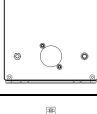
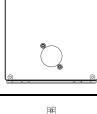
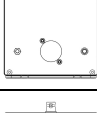
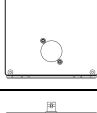
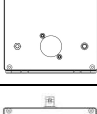
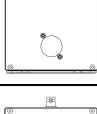
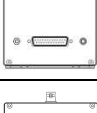
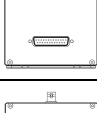
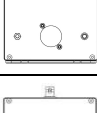
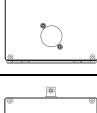


Product	Drawing		Frequency range	EuT/AE connector type	Max. Current rating	Input Voltage EuT	Case size
	AE Port	EuT Port					
<b>CDN M1 16A 1000V</b>			0.15...230 MHz	4 mm safety banana socket	16 A	500 VAC 1000 VDC	A
<b>CDN M2 16A 1000V</b>			0.15...230 MHz	4 mm safety banana sockets	16 A	500 VAC 1000 VDC	A
<b>CDN M2 32A 1000V</b>			0.15...230 MHz	4 mm safety banana sockets	32 A	500 VAC 1000 VDC	B
<b>CDN M2 63A 1000V</b>			0.15...230 MHz	Multi-Contact KBT6AR-N/...-S	63 A	500 VAC 1000 VDC	C
<b>CDN M2 125A 1000V</b>			0.15...230 MHz	Multi-Contact KBT6AR-N/...-S	125 A	500 VAC 1000 VDC	C
<b>CDN M2/M3PE 16A</b>			0.15...230 MHz	4 mm safety banana sockets	16 A	250 VAC 400 VDC	A
<b>CDN M3PE 16A 1000V</b>			0.15...230 MHz	4 mm safety banana sockets	16 A	500 VAC 1000 VDC	A
<b>CDN M3 32A 1000V</b>			0.15...230 MHz	4 mm safety banana sockets	32 A	500 VAC 1000 VDC	A
<b>CDN M3PE 32A 1000V</b>			0.15...230 MHz	4 mm safety banana sockets	32 A	500 VAC 1000 VDC	A
<b>CDN M4 16A 1000V</b>			0.15...230 MHz	4 mm safety banana sockets	16 A	500 VAC 1000 VDC	A
<b>CDN M4PE 16A 1000V</b>			0.15...230 MHz	4 mm safety banana sockets	16 A	500 VAC 1000 VDC	A

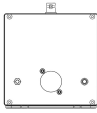
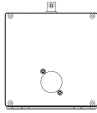
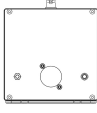
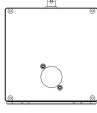


Product	Drawing		Frequency range	EuT/AE connector type	Max. Current rating	Input Voltage EuT	Case size
	AE Port	EuT Port					
<b>CDN M4 32A 1000V</b>			0.15...230 MHz	4 mm safety banana sockets	32 A	500 VAC 1000 VDC	B
<b>CDN M4PE 32A 1000V</b>			0.15...230 MHz	4 mm safety banana sockets	32 A	500 VAC 1000 VDC	B
<b>CDN M5PE 16A 1000V</b>			0.15...230 MHz	4 mm safety banana sockets	16 A	500 VAC 1000 VDC	B
<b>CDN M5PE 32A 1000V</b>			0.15...230 MHz	4 mm safety banana sockets	32 A	500 VAC 1000 VDC	B
<b>CDN M5PE 63A 1000V</b>			0.15...80 MHz	Multi-Contact KBT6AR-N/...-S	63 A	500 VAC 1000 VDC	C
<b>CDN M5PE 125A 1000V</b>			0.15...80 MHz	Multi-Contact KBT6AR-N/...-S	125 A	500 VAC 1000 VDC	C

## CDN AF-type

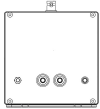
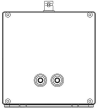
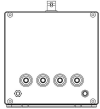
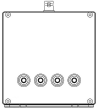
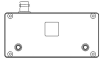
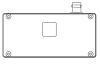
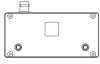
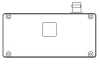
Product	Drawing		Frequency range	EuT/AE connector type	Max. Current rating	Input Voltage EuT	Case size
	AE Port	EuT Port					
<b>CDN AF2</b>			0.15...230 MHz	4 mm safety banana sockets	4 A (DC)	100 VAC 150 VDC	A
<b>CDN AF3</b>			0.15...230 MHz	4 mm safety banana sockets	4 A (DC)	100 VAC 150 VDC	A
<b>CDN AF4</b>			0.15...230 MHz	4 mm safety banana sockets	4 A (DC)	100 VAC 150 VDC	A
<b>CDN AF6</b>			0.15...230 MHz	4 mm safety banana sockets	4 A (DC)	100 VAC 150 VDC	A
<b>CDN AF8</b>			0.15...230 MHz	4 mm safety banana sockets	4 A (DC)	100 VAC 150 VDC	A

## CDN S-type

Product	Drawing		Frequency range	EuT/AE connector type	Max. Current rating	Input Voltage EuT	Case size
	AE Port	EuT Port					
<b>CDN S1 BNC</b>			0.01...230 MHz	1x BNC 50 Ω			A
<b>CDN S1 BNC 75</b>			0.01...230 MHz	1x BNC 75 Ω			A
<b>CDN S2 XLR3-1</b>			0.01...230 MHz	XLR3 female GND: Pin 1			A
<b>CDN S2 XLR3-3</b>			0.01...230 MHz	XLR3 female GND: Pin 3			A
<b>CDN S4 4xBNC</b>			0.01...230 MHz	4x BNC 50 Ω			A
<b>CDN S4 XLR4</b>			0.01...230 MHz	XLR4 female			A
<b>CDN S4 DIN5-1</b>			0.01...230 MHz	DIN5 GND: Pin 1			A
<b>CDN S8 RJ45</b>			0.01...230 MHz	RJ45			A
<b>CDN S9 SUBD</b>			0.01...230 MHz	Sub-D 9 pol.			B
<b>CDN S9 USB3.0</b>			0.15...230 MHz	USB 3.0			B
<b>CDN S15 VGA</b>			0.01...230 MHz	VGA			B

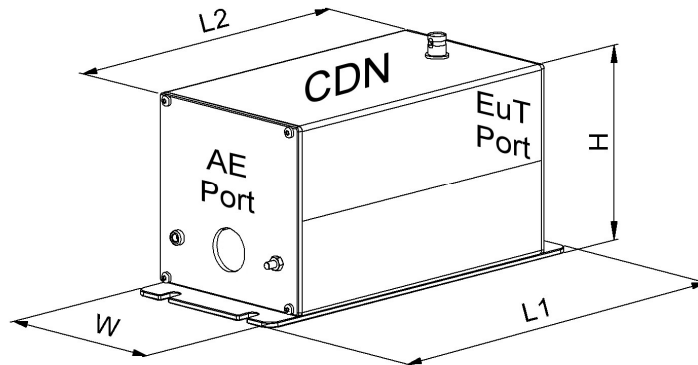
Product	Drawing		Frequency range	EuT/AE connector type	Max. Current rating	Input Voltage EuT	Case size
	AE Port	EuT Port					
<b>CDN S19 HDMI</b>			0.01...230 MHz	HDMI			B
<b>CDN S24 USB-C</b>			0.15...230 MHz	USB-C			A
<b>CDN S25 SUBD</b>			0.01...230 MHz	Sub-D 25 pol.			B

## CDN T-type

Product	Drawing		Frequency range	EuT/AE connector type	Max. Current rating	Input Voltage EuT	Case size
	AE Port	EuT Port					
<b>CDN T2</b>			0.01...230 MHz	4 mm safety banana sockets	0.25 A		A
<b>CDN T4</b>			0.01...230 MHz	4 mm safety banana sockets	0.25 A		A
<b>CDN T4 RJ45</b>			0.15...230 MHz	RJ 45	0.25 A		D
<b>CDN T8 RJ45</b>			0.15...230 MHz	RJ45	0.25 A		D



## CDN Case Size



<i>CDN dimensions</i>	<b>Length L1</b>	<b>Length L2</b>	<b>Width W</b>	<b>Height H</b>
<b>Case Size A</b>	255 mm	216 mm	105 mm	108 mm
<b>Case Size B</b>	305 mm	266 mm	105 mm	108 mm
<b>Case Size C</b>	290 mm	251 mm	165 mm	167 mm
<b>Case Size D</b>	-	107 mm	105 mm	48 mm