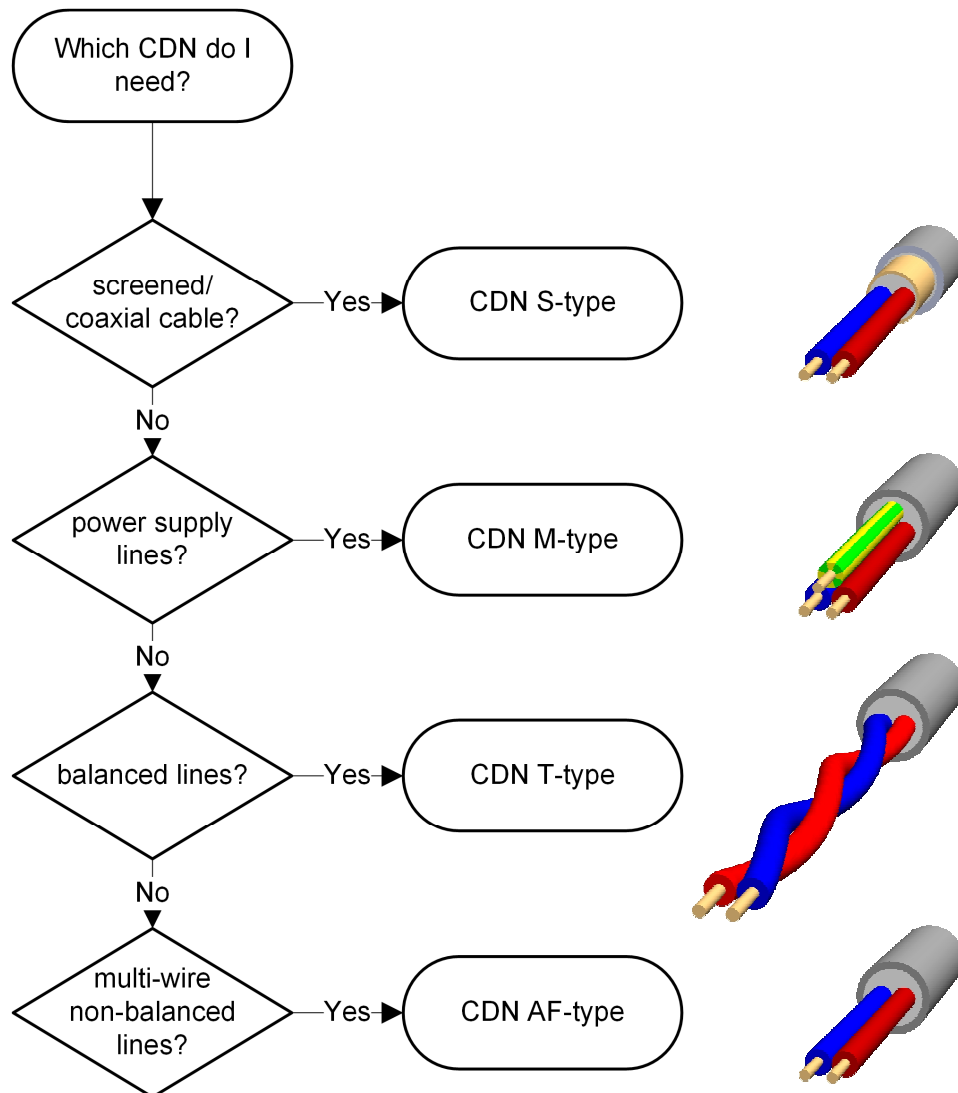


CDN Overview

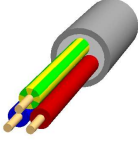
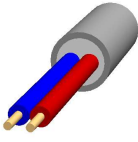
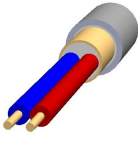
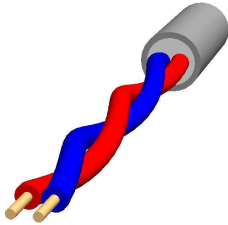
Die Koppel- / Entkoppelnetzwerke (CDN) dienen zur Einkopplung von Gleichtakt-Störgrößen auf Prüflinge. Darüberhinaus sorgen sie für eine ausreichende Entkopplung der Zusatzeinrichtung vom Störsignal. Die Eigenschaften und Anwendung der CDNs sind in der Norm IEC 61000-4-6 (Störfestigkeit gegen leitungsgeführte 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.



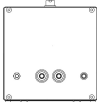
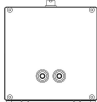

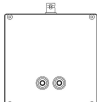
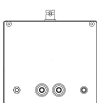
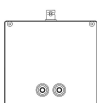
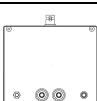
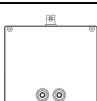
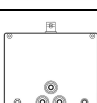
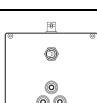
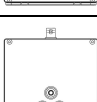
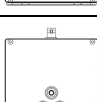
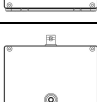
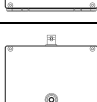
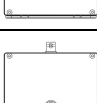
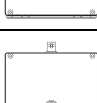
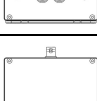
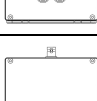
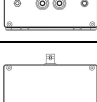
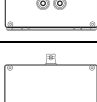
CDN Quick-Selection



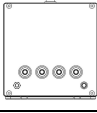
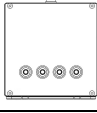

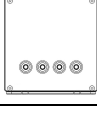
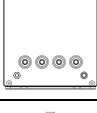
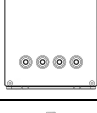


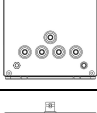
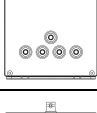
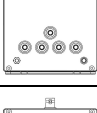
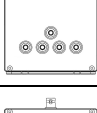
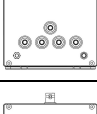
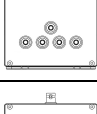
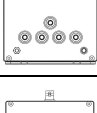
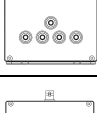




CDN Cable Overview

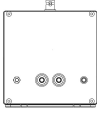
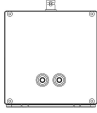
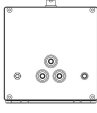
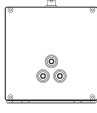


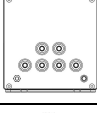
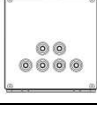


Cable type	CDN type	Application	Product range
	M type	<ul style="list-style-type: none"> • Mains • Unscreened lines • Unbalanced lines • AC or DC • Power supply applications • High current 	CDN M1 16A CDN M2 16A 1000V CND M2 32A 1000V CDN M2 63A 1000V CDN M2 125A 1000V CDN M2/3PE 16A CDN M3 32A CDN M3PE 16A CDN M3PE 32A CDN M3PE 32A 1000V CDN M4 16A CDN M4 32A CDN M4 32A 1000V CDN M4PE 16A CDN M4PE 32A CDN M4PE 32A 1000V CDN M5PE 16A CDN M5PE 16A 1000V CDN M5PE 32A CDN M5PE 32A 1000V CDN M5 63A 1000V
	AF type	<ul style="list-style-type: none"> • Unscreened lines • Unbalanced lines • Low current 	CDN AF2 CDN AF3 CDN AF4 CDN AF6 CDN AF8
	S type	<ul style="list-style-type: none"> • Coaxial cables • Shielded lines • Screened lines 	CDN S1 BNC CDN S4 4xBNC CDN S4 XLR4 CDN S8 RJ45 CDN S9 SUBD CDN S9 USB3.0 CDN S19 HDMI CDN S24 USB-C CDN S25 SUBD
	T type	<ul style="list-style-type: none"> • Unscreened lines • Balanced lines • Telecommunication ports • Unshielded twisted pairs 	CDN T2 CDN T4 CDN T8 RJ45
other models on request			

CDN M-type

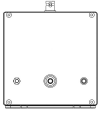



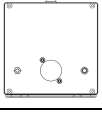
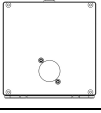
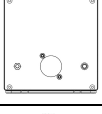
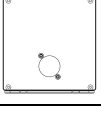

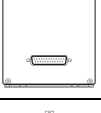
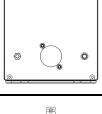
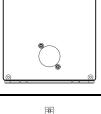
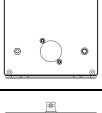
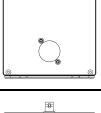
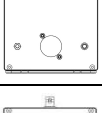
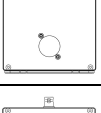
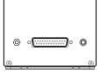
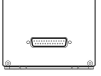
Product	Drawing		Frequency range	EuT/AE connector type	Max. Current rating	Input Voltage EuT	Case size
	AE Port	EuT Port					
CDN M1 16A			0.15...230 MHz	4 mm safety banana socket	16 A	250 VAC 400 VDC	A
CDN M2 16A 1000V			0.15...230 MHz	4 mm safety banana sockets	16 A	500 VAC 1000 VDC	A
CDN M2 32A 1000V			0.15...230 MHz	4 mm safety banana sockets	32 A	500 VAC 1000 VDC	B
CDN M2 63A 1000V			0.15...230 MHz	Multi-Contact KBT6AR-N/...-S	63 A	500 VAC 1000 VDC	C
CDN M2 125A 1000V			0.15...230 MHz	Multi-Contact KBT6AR-N/25-S-L	125 A	500 VAC 1000 VDC	C
CDN M2/M3PE 16A			0.15...230 MHz	4 mm safety banana sockets	16 A	250 VAC 400 VDC	A
CDN M3PE 16A			0.15...230 MHz	4 mm safety banana sockets	16 A	250 VAC 400 VDC	A
CDN M3 32A			0.15...230 MHz	4 mm safety banana sockets	32 A	250 VAC 400 VDC	A
CDN M3PE 32A			0.15...230 MHz	4 mm safety banana sockets	32 A	250 VAC 400 VDC	A
CDN M3PE 32A 1000V			0.15...230 MHz	4 mm safety banana sockets	32 A	500 VAC 1000 VDC	A
CDN M4 16A			0.15...230 MHz	4 mm safety banana sockets	16 A	250 VAC 400 VDC	A

Product	Drawing		Frequency range	EuT/AE connector type	Max. Current rating	Input Voltage EuT	Case size
	AE Port	EuT Port					
CDN M4PE 16A			0.15...230 MHz	4 mm safety banana sockets	16 A	250 VAC 400 VDC	A
CDN M4 32A			0.15...230 MHz	4 mm safety banana sockets	32 A	250 VAC 400 VDC	A
CDN M4PE 32A			0.15...230 MHz	4 mm safety banana sockets	32 A	250 VAC 400 VDC	A
CDN M4 32A 1000V			0.15...230 MHz	4 mm safety banana sockets	32 A	500 VAC 1000 VDC	B
CDN M4PE 32A 1000V			0.15...230 MHz	4 mm safety banana sockets	32 A	500 VAC 1000 VDC	B
CDN M5PE 16A			0.15...230 MHz	4 mm safety banana sockets	16 A	250 VAC 400 VDC	A
CDN M5PE 16A 1000V			0.15...230 MHz	4 mm safety banana sockets	16 A	500 VAC 1000 VDC	B
CDN M5PE 32A			0.15...230 MHz	4 mm safety banana sockets	32 A	250 VAC 400 VDC	B
CDN M5PE 32A 1000V			0.15...230 MHz	4 mm safety banana sockets	32 A	500 VAC 1000 VDC	B
CDN M5 63A 1000V			0.15...230 MHz	Multi-Contact KBT6AR-N/...-S	63 A	500 VAC 1000 VDC	C

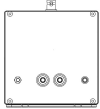
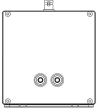
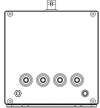

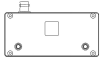
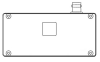
CDN AF-type

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

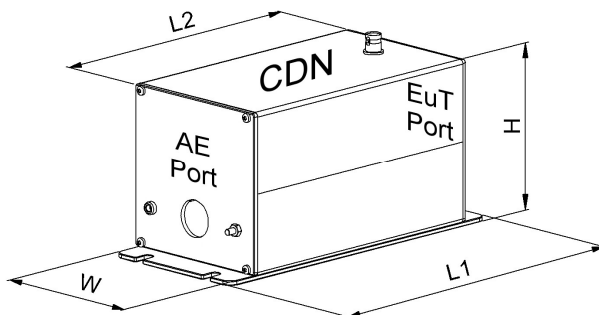
CDN S-type

Product	Drawing		Frequency range	EuT/AE connector type	Max. Current rating	Input Voltage EuT	Case size
	AE Port	EuT Port					
CDN S1 BNC			0.15...230 MHz	1x BNC 50 Ω			A
CDN S4 4xBNC			0.15...230 MHz	4x BNC 50 Ω			A
CDN S4 XLR4			0.15...230 MHz	XLR4 female			A
CDN S8 RJ45			0.15...230 MHz	RJ45			A
CDN S9 SUBD			0.15...230 MHz	Sub-D 9 pol.			B
CDN S9 USB3.0			0.15...230 MHz	USB 3.0			B
CDN S19 HDMI			0.15...230 MHz	HDMI			B
CDN S24 USB-C			0.15...230 MHz	USB-C			A
CDN S25 SUBD			0.15...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					
CDN T2			0.15...230 MHz	4 mm safety banana sockets	0.25 A		A
CDN T4			0.15...230 MHz	4 mm safety banana sockets	0.25 A		A
CDN T8 RJ45			0.15...230 MHz	RJ45	0.25 A		D

CDN Case Size



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