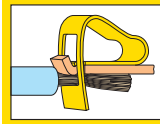


Double Potential Terminal Blocks

2.5 mm² / AWG 12, Series 280



2
11

2

0.08 – 2.5 mm² | AWG 28 – 12
800 V/8 kV/3 ① | 600 V, 20 A ②
20 A | 600 V, 25 A ③

Terminal block width 5 mm / 0.197 in
8 – 9 mm / 0.33 in

* ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲ ⑳ ㉑ ㉒ ㉓ ㉔ ㉕ ㉖ ㉗ ㉘ ㉙ ㉚ ㉛ ㉜ ㉝ ㉞ ㉟ ㊱ ㊲ ㊳ ㊴ ㊵ ㊶ ㊷ ㊸ ㊹ ㊺ ㊻ ㊼ ㊽ ㊾ ㊿

0.08 – 2.5 mm² | AWG 28 – 12
800 V/8 kV/3 ① | 600 V, 15 A ②
24 A | 600 V, 15 A ③

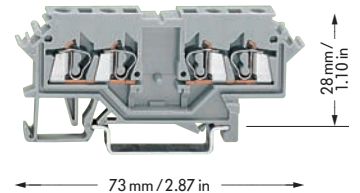
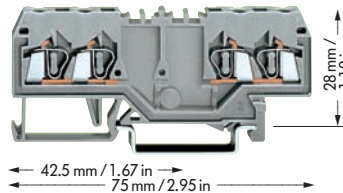
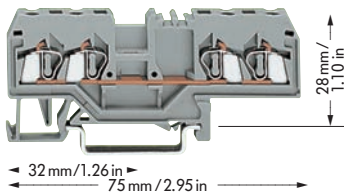
Terminal block width 5 mm / 0.197 in
8 – 9 mm / 0.33 in

* ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲ ⑳ ㉑ ㉒ ㉓ ㉔ ㉕ ㉖ ㉗ ㉘ ㉙ ㉚ ㉛ ㉜ ㉝ ㉞ ㉟ ㊱ ㊲ ㊳ ㊴ ㊵ ㊶ ㊷ ㊸ ㊹ ㊺ ㊻ ㊼ ㊽ ㊾ ㊿

0.08 – 2.5 mm² | AWG 28 – 12
800 V/8 kV/3 ① | 600 V, 15 A ②
24 A | 600 V, 20 A ③

Terminal block width 5 mm / 0.197 in
8 – 9 mm / 0.33 in

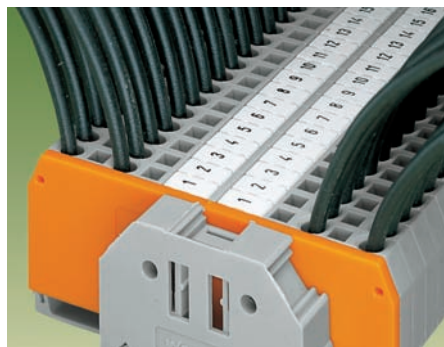
* ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲ ⑳ ㉑ ㉒ ㉓ ㉔ ㉕ ㉖ ㉗ ㉘ ㉙ ㉚ ㉛ ㉜ ㉝ ㉞ ㉟ ㊱ ㊲ ㊳ ㊴ ㊵ ㊶ ㊷ ㊸ ㊹ ㊺ ㊻ ㊼ ㊽ ㊾ ㊿



Item No.	Pack. unit pcs
4-conductor through terminal blocks	
grey 280-633 ④	100
blue 280-634 ②	100
orange 280-603 ③	100
4-conductor ground (earth) terminal blocks	
light grey ⑥ 280-999 ①	100
green-yellow 280-677 ⑤	100
green-yellow ⑥ 280-677/999-950 ⑤	100
4-conductor shield (screen) terminal block	
white 280-678 ①	100
Other terminal blocks with the same shape	
double potential 280-626	page 2.11
disconnect 280-685	page 7.11
disc., test a. meas. 280-649	page 7.11
carrier term. block 280-686	page 7.35
diode 280-655/...-...	page 7.57
LED 280-658/...-...	page 7.61

Item No.	Pack. unit pcs
Double potential terminal blocks, with double marker receptacle in the center of the terminal block	
grey 280-826 ④	100
light grey ⑥ 280-995 ①	100
Attention! These double potential terminal blocks cannot be commoned with adjacent jumpers!	

Item No.	Pack. unit pcs
Double potential terminal blocks, with marker receptacle on the side of the terminal block	
grey 280-626 ④	100
light grey ⑥ 280-989 ①	100
Attention! These double potential terminal blocks cannot be commoned with adjacent jumpers!	



Terminal block marking directly on the terminal block either with WSB or WMB markers.


- ① 800 V = rated voltage
8 kV = rated surge voltage
3 = pollution degree
(see also section 15)
- ② Suitable for Ex i applications
- ③ Suitable for Ex e II applications
0.2 – 2.5 mm² AWG 24 – 12
550 V, 20 A
(see also section 13)
When using staggered jumpers the max. rated voltage will be reduced to 275 V.
Ex e/Ex i separator see page 2.13
- ④ See application notes on pages 2.38 – 2.45

End and intermediate plate, 2.5 mm/0.098 in thick	
orange 280-315 100 (4 x 25)	
grey 280-314 100 (4 x 25)	
light grey 280-352 100 (4 x 25)	
Separator, oversized, 2 mm/0.079 in thick	
orange 280-335 100 (4 x 25)	
grey 280-334 100 (4 x 25)	
light grey 280-353 100 (4 x 25)	
Insulation stop ③, 5 pcs/strip	
white 280-470 200 strips	
light grey 280-471 200 strips	
dark grey 280-472 200 strips	
Adjacent jumper, insulated, I_N 24 A, ⑥ 20 A	
grey 280-402 200 (8 x 25)	
yell.-green 280-422 200 (8 x 25)	
Staggered jumper ④, insulated, I_N 24 A, ⑥ 20 A width 5 mm / 0.197 in	
from 1 to 2 780-452 100 (4 x 25)	
from 1 to 3 780-453 100 (4 x 25)	
from 1 to 4 780-454 100 (4 x 25)	
from 1 to 5 780-455 50 (2 x 25)	
:	:
from 1 to 8 780-458 50 (2 x 25)	
Protective warning marker, comp type jumper bar, test plug adapter, etc. (see page 2.13)	

End and intermediate plate, 2.5 mm/0.098 in thick	
orange 280-315 100 (4 x 25)	
grey 280-314 100 (4 x 25)	
light grey 280-352 100 (4 x 25)	
Separator, oversized, 2 mm/0.079 in thick	
orange 280-335 100 (4 x 25)	
grey 280-334 100 (4 x 25)	
light grey 280-353 100 (4 x 25)	
Insulation stop ③, 5 pcs/strip	
white 280-470 200 strips	
light grey 280-471 200 strips	
dark grey 280-472 200 strips	
Comb type jumper bar ③, insulated, I _N = I _N of terminal block	
2-way 280-482 200 (8 x 25)	
3-way 280-483 200 (8 x 25)	
Alternate comb type jumper bar, insulated, I _N = I _N of terminal block	
2-way 280-492 200 (8 x 25)	
Operating tool, insulated	
2-way 280-432 1	
3-way 280-433 1	

End and intermediate plate, 2.5 mm/0.098 in thick	
orange 280-317 100 (4 x 25)	
grey 280-316 100 (4 x 25)	
light grey 280-364 100 (4 x 25)	
Separator, oversized, 2 mm/0.079 in thick	
orange 280-327 100 (4 x 25)	
grey 280-337 100 (4 x 25)	
light grey 280-365 100 (4 x 25)	
Insulation stop ③, 5 pcs/strip	
white 280-470 200 strips	
light grey 280-471 200 strips	
dark grey 280-472 200 strips	
Comb type jumper bar ③, insulated, I _N = I _N of terminal block	
2-way 280-482 200 (8 x 25)	
3-way 280-483 200 (8 x 25)	
Alternate comb type jumper bar, insulated, I _N = I _N of terminal block	
2-way 280-492 200 (8 x 25)	
Operating tool, insulated	
2-way 280-432 1	
3-way 280-433 1	

15 Approvals as per January 2004

Item No.	Approval No.	Voltage V	Current A	Cross Section AWG/mm ²	Item No.	Approval No.	Voltage V	Current A	Cross Section AWG/mm ²	Item No.	Approval No.	Voltage V	Current A	Cross Section AWG/mm ²	Item No.	Approval No.	Voltage V	Current A	Cross Section AWG/mm ²
					280-562/	E45172	300	15	28-12	280-687/	E45172			28-12	281-623/	E45172	110	10	28-12
243-204	E45172	125		22-18	281-411	E45172	24	15	28-12	999-950				281-418	E45172	30	10	28-12	
243-208	E45172	125		22-18	280-562/	E45172	24	15	28-12	280-691	E45172	600	20	28-12	281-623/	E45172	600	20	28-12
243-304	E45172	125		22-18	281-420	E45172	24	15	28-12	280-695	E45172	300	15	28-12	281-541	E45172	65	10	28-12
243-308	E45172	125		22-18	280-562/	E45172	24	15	28-12	280-805	E45172	300	15	28-12	281-623/	E45172	600	20	28-12
243-504	E45172	125		22-18	281-434	E45172	24	15	28-12	280-826	E45172	600	15	28-12	281-542	E45172	600	16	28-12
243-508	E45172	125		22-18	280-563	E45172	300	10	28-12	280-829	E45172	300	15	28-12	281-624	E45172	600	20	28-12
243-804	E45172	125		22-18	281-483	E45172	300	15	28-12	280-830	E45172	600	20	28-12	281-629	E45172	600	20	28-12
243-808	E45172	125		22-18	280-564	E45172	24	15	28-12	280-831	E45172	600	20	28-12	281-630	E45172	600	20	28-12
260-1...	E45172	300	10	28-16	281-483	E45172	250	6.3	28-12	280-832	E45172	600	20	28-12	281-631	E45172	600	20	28-12
261-...	E45172	300/600	15/5	28-14	280-565	E45172	250	6.3	28-12	280-833	E45172	600	20	28-12	281-637	E45172	600	20	28-12
262-...	E45172	300/600	20/5	28-12	280-566	E45172	300	10	28-12	280-834	E45172	600	20	28-12	999-950				
264-1...	E45172	600	20	28-12	280-566/	E45172	24	15	28-12	280-835	E45172	600	20	28-12	281-651	E45172	600	20	28-12
264-2...	E45172	600	20	28-12	281-496	E45172	300	15	28-12	280-836	E45172	300	15	28-12	281-652	E45172	600	20	28-12
264-3...	E45172	600	20	28-12	280-567	E45172	300	15	28-12	280-837	E45172	600	20	28-12	281-653	E45172	600	20	28-12
264-357	E45172	600	20	28-12	281-483	E45172	300	15	28-12	999-950				281-654	E45172	600	20	28-12	
264-7...	E45172	600	20	28-12	280-568	E45172	300	15	28-12	280-838	E45172	28-12		281-656	E45172	300	10	28-12	
264-727	E45172	600	20	28-12	280-570	E45172	300	15	28-12	280-839	E45172	300	15	28-12	281-657	E45172	600	20	28-12
264-727/	E45172	600	20	28-12	280-570/	E45172	24	15	28-12	280-868	E45172	600	15	28-12	281-657/	E45172	600	20	28-12
999-950					281-434	E45172	300	6	28-12	280-869	E45172	600	15	28-12	999-950				
264-737	E45172	600	20	28-12	280-571	E45172	300	6	28-12	280-870	E45172	600	15	24-10	281-658	E45172	600	20	28-12
264-737/	E45172	600	20	28-12	280-571/	E45172	24	15	28-12	280-871	E45172	600	15	28-12	281-659	E45172	300	15	28-12
999-950					281-413	E45172	600	20	28-12	280-874	E45172	600	15	28-12	281-660	E45172	300	15	28-12
279-1...	E45172	600	10	28-16	280-572	E45172	24	15	28-12	280-875	E45172	600	15	28-12	281-663	E45172	600	20	28-12
279-604	E45172	600	10	28-16	280-572/	E45172	300	15	28-12	280-876	E45172	600	15	28-12	281-664	E45172	600	20	28-12
279-621	E45172	600	10	28-16	281-411	E45172	600	15	28-12	280-879	E45172	600	15	28-12	281-668	E45172	600	20	28-12
279-623/	E45172	24	10	28-16	280-572/	E45172	24	15	28-12	280-880	E45172	600	15	28-12	281-672	E45172	600	10	28-12
281-411	E45172	24	10	28-16	281-420	E45172	24	15	28-12	280-881	E45172	600	15	28-12	281-678	E45172	600	20	28-12
279-624/	E45172	600	10	28-16	280-572/	E45172	24	15	28-12	280-882	E45172	600	15	28-12	281-679	E45172	600	20	28-12
281-413	E45172	600	10	28-16	281-434	E45172	300	10	28-12	280-883	E45172	600	15	28-12	281-681	E45172	600	20	28-12
279-626	E45172	600	10	28-16	280-573	E45172	300	10	28-12	280-884	E45172	600	15	28-12	281-683	E45172	300	15	28-12
279-68...	E45172	600	10	28-16	280-574	E45172	300	15	28-12	280-885	E45172	600	15	28-12	281-684	E45172	600	20	28-12
279-687	E45172	600	10	28-16	280-574/	E45172	24	15	28-12	280-90...	E45172	600	20	28-12	281-685	E45172	600	20	28-12
279-687/	E45172	600	10	28-16	281-483	E45172	250	6.3	28-12	280-907	E45172	28-12		281-686	E45172	600	20	28-12	
999-950					280-575	E45172	250	6.3	28-12	280-907/	E45172	28-12		281-687	E45172	600	20	28-12	
279-8...	E45172	600	10	28-16	280-575/	E45172	300	10	28-12	999-950				281-687/	E45172	600	20	28-12	
279-837	E45172	600	10	28-16	280-576	E45172	300	10	28-12	280-912	E45172	300	15	28-12	999-950				
279-837/	E45172	600	10	28-16	280-576/	E45172	24	15	28-12	280-916	E45172	300	15	28-12	281-691	E45172	600	20	28-12
999-950					281-496	E45172	300	15	28-12	280-989	E45172	600	20	28-12	281-90...	E45172	600	20	28-12
279-838	E45172	600	10	28-16	280-577	E45172	300	15	28-12	280-990	E45172	300	15	28-12	281-907	E45172	600	20	28-12
279-9...	E45172	600	10	28-16	280-577/	E45172	24	15	28-12	280-992	E45172	600	20	28-12	281-907/	E45172	600	20	28-12
279-907	E45172	600	10	28-16	281-496	E45172	300	15	28-12	280-993	E45172	600	20	28-12	999-950				
279-907/	E45172	600	10	28-16	280-578	E45172	300	15	28-12	280-994	E45172	600	20	28-12	281-912	E45172	300	15	28-12
999-950					280-580	E45172	300	15	28-12	280-995	E45172	600	20	28-12	281-916	E45172	300	10	28-12
280-10...	E45172	600	20	28-12	280-580/	E45172	24	15	28-12	280-996	E45172	600	20	28-12	281-993	E45172	600	20	28-12
280-107	E45172	600	20	28-12	281-434	E45172	24	15	28-12	280-998	E45172	600	20	28-12	281-994	E45172	600	20	28-12
280-510	E45172	300/600	15/5	28-12	280-581/	E45172	24	15	28-12	280-999	E45172	600	20	28-12	281-998	E45172	600	20	28-12
280-513	E45172	300	15	28-12	281-413	E45172	300	15	28-12	281-101	E45172	600	20	28-12	282-10...	E45172	600	30	24-10
280-515	E45172	300	15	28-12	280-583	E45172	300	15	28-12	281-104	E45172	600	20	28-12	282-107	E45172	600	30	24-10
280-519	E45172	300	15	28-12	280-584	E45172	300	15	28-12	281-107	E45172	600	20	28-12	282-122	E45172	600	10	24-10
280-520	E45172	300	15	28-12	280-584/	E45172	24	15	28-12	281-107/	E45172	600	20	28-12	282-124	E45172	600	10	24-10
280-521	E45172	300	10	28-12	281-483	E45172	300	15	28-12	999-950				282-126	E45172	600	10	24-10	
280-522	E45172	300	10	28-12	280-585	E45172	300	15	28-12	281-601	E45172	600	20	28-12	282-128	E45172	600	10	24-10
280-523	E45172	300	15	28-12	280-586	E45172	300	15	28-12	281-603/	E45172	600	20	28-12	282-128/	E45172	24/110	10	24-10
280-524	E45172	300	15	28-12	281-496	E45172	300	15	28-12	281-411	E45172	600	20	28-12	281-417	E45172	250	10	24-10
280-525	E45172	300	10	28-12	280-588	E45172	250	6.3	28-12	281-417	E45172	600	20	28-12	282-128/	E45172	24/110	10	24-10
280-526	E45172	300	10	28-12	280-588/	E45172	250	6.3	28-12	281-604	E45172	600	20	28-12	281-418	E45172	300	30	24-10
280-527	E45172	300	15	28-12	280-592	E45172	300	15	28-12	281-607	E45172								

Item No.	Approval No.	Voltage V	Current A	Cross Section AWG/mm ²	Item No.	Approval No.	Voltage V	Current A	Cross Section AWG/mm ²	Item No.	Approval No.	Voltage V	Current A	Cross Section AWG/mm ²	Item No.	Approval No.	Voltage V	Current A	Cross Section AWG/mm ²
CUR US – Underwriters Laboratories USA					CSA – Canadian Standard Association Canada														
281-530	E45172	300	20	28-12	224-1..	154112-1059435	300		14-12"s"/20-16"rig"	280-524	18677-26	300/600	20/5	28-12	280-901	18677	600	25	26-12
290-661	E45172	300/150	10	22-16"s"/"str"/22-18"s"	224-201	154112-1059435	300		20-16"rig"	280-525	18677	300	15	28-12	280-902	18677	600	25	26-12
290-664	E45172	300/150	10	22-16"s"/"str"/22-18"s"						280-526	18677	300	15	28-12	280-903	18677-22	600	15	28-12
290-667	E45172			22-16"s"/"str"/22-18"s"	243-20.	18677-31	150		22-20mixed/(4x18)	280-527	18677-26	300/600	20/5	28-12	280-904	18677	600	25	26-12
290-681	E45172	300/150	10	28-12"scil"/"str"	243-30.	18677-31	150		22-20mixed/(4x18)	280-529	18677-26	300/600	20/5	28-12	280-905	18677-22	600	15	28-12
290-684	E45172	300/150	10	28-12"scil"/"str"						280-530	18677-26	300/600	20/5	28-12	280-906	18677-22	600	15	28-12
290-687	E45172			28-12"scil"/"str"						280-531	18677	300	20	28-12	280-907	18677-15	600	15	28-12
290-901	E45172	300/150	10	28-12"scil"/"str"						280-532	18677	300	20	28-12	280-907/18677-15				26-14
290-904	E45172	300/150	10	28-12"scil"/"str"	243-50.	18677-31	150		22-20mixed/(4x18)	280-533	18677-26	300/600	20/5	28-12	999-950				
290-907	E45172	300/150	10	28-12"scil"/"str"						280-534	18677-26	300/600	20/5	28-12	280-912	18677	300	15	26-14
290-961	E45172	300/150	10	22-16"s"/"str"/22-18"s"	243-80.	18677-31	150		22-20mixed/(4x18)	280-537	18677-26	300/600	20/5	28-12	280-916	18677	300	15	26-14
290-964	E45172	300/150	10	22-16"s"/"str"/22-18"s"						280-543	18677-26	300/600	20/5	28-12	280-946	18677-22	600	15	28-12
290-967	E45172	300/150	10	22-16"s"/"str"/22-18"s"	260-...	18677-45	300	15	24-16	280-547	18677-27	300/600	20/5	28-12	280-989	18677-22	600	15	28-12
869-1..	E45172	300/600	20/5	28-12	261-...	18677-45	300/600	20/5	26-14	280-548	18677-27	300/600	20/5	28-12	280-99.	18677-22	600	15	28-12
869-2..	E45172	300/600	20/5	28-12	262-...	18677-45	300/600	20/5	26-12	280-549	18677-27	300/600	20/5	28-12					
869-2..	E45172	300/600	20/5	28-12	264-102	18677-23	600	20	26-12	280-550	18677-27	300/600	20/5	28-12	281-10.	18677-5	600	65	26-12
870-101	E45172	300/600	20/5	28-12	264-3.7	18677-23			26-12	280-551	18677-27	300/600	20/5	28-12	281-107	18677-15			26-12
870-102	E45172	300/600	20/5	28-12	264-727	18677-23			26-12	280-552	18677-27	300/600	20/5	26-14	281-511	18677-45			
870-103	E45172	300/600	20/5	28-12	264-727/999-950	18677-23			26-12	280-554	18677-52	300	15	28-12	281-512	18677-45			
870-104	E45172	300/600	20/5	28-12	264-737	18677-23			26-12	280-555	18677-52	300	15	28-12	281-530	154112-1014215	300	25	28-12
870-107	E45172			28-12	264-737/999-950	18677-23			26-12	280-556	18677-52	300	15	28-12	281-601	18677-48	600	20	28-12
870-108	E45172	300/600	20/5	28-12						280-557	18677-52	300	15	28-12	281-604	18677	600	20	26-12
870-109	E45172	300/600	20/5	28-12						280-56.	18677-52	300	15	28-12	281-607	18677-15			26-12
870-117	E45172	300/600	20/5	28-12						280-56./...	18677-52	300	15	28-12	281-607/999-950				26-12
870-127	E45172	300/600	20/5	28-12						280-57	18677-52	300	15	28-12	281-610	18677	600	15	26-12
					273-100	154112-1059435	600	10	20-16"s"	280-57/...	18677-52	300	15	28-12	281-611	18677-36	600	10	28-12
870-501	E45172	300/600	20/5	28-12	273-101	1059435	600	10	20-16"s"	280-580	18677-52	300	15	28-12	281-611/18677-36	110/220	10	10	28-12
870-502	E45172	300/600	20/5	28-12	273-102	1059435	600	20	18-12"s"	280-584	18677-52	300	15	28-12	281-417				
870-503	E45172	300/600	20/5	28-12	273-103	1059435	600	10	20-16"s"	280-584/18677-52				281-417					
870-504	E45172	300/600	20/5	28-12	273-104	1059435	600	20	18-12"s"	281-483				281-611/18677-36	110/220	10	10	28-12	
870-507	E45172			28-12	273-105	1059435	600	20	18-12"s"	280-585	18677-52	300	15	28-12	281-418				
870-508	E45172	300/600	20/5	28-12	273-108	1059435	600	20	20-16"s"	280-586	18677-52	300	15	28-12	281-611/18677-36	15/30	10	10	28-12
870-509	E45172	300/600	20/5	28-12	273-112	1059435	600	20	18-12"s"	280-587	18677-52	300	15	28-12	281-541				
870-517	E45172	300/600	20/5	28-12	273-114	1059435	600	20	22-12"s"	280-588	18677-52	300	15	28-12	281-611/18677-36	30/65	10	10	28-12
870-527	E45172	300/600	20/5	28-12	273-153	1059435	600	10	20-16"s"	280-588/18677-52				281-542					
870-531	E45172	300/600	20/5	28-12	273-155	1059435	600	10	20-16"s"	280-592	18677-52	300	15	28-12	281-612	18677-36	110/220	10	28-12
870-532	E45172	300/600	20/5	28-12	273-158	1059435	600	10	20-16"s"	280-593	18677-52	300	15	28-12	281-417				
870-533	E45172	300/600	20/5	28-12						280-60.	18677	600	25	28-12	281-612/18677-36	110/220	10	10	28-12
870-534	E45172	300/600	20/5	28-12						280-607	18677-15	28-12		281-418					
870-535	E45172	300/600	20/5	28-12	273-252	154112-1059435	600	20	18-12"s"	280-607/18677-15				281-612/18677-36	15/30	10	10	28-12	
870-536	E45172	300/600	20/5	28-12	273-253	1059435	600	20	18-12"s"	999-950				281-541					
870-377	E45172	300/600	20/5	28-12	273-254	1059435	600	20	18-12"s"	280-610	18677	600	25	28-14	281-612/18677-36	30/65	10	10	28-12
870-538	E45172	300/600	20/5	28-12	273-254	1059435	600	20	18-12"s"	280-612	18677	600	15	28-14	281-542				
870-539	E45172	300/600	20/5	28-12	273-255	1059435	600	20	18-12"s"	280-616	18677	600	15	28-14	281-613	18677-36	110/220	10	28-12
870-551	E45172	300/600	20/5	28-12	273-258	1059435	600	20	18-14"s"	280-621	18677-7	600	15	28-14	281-417				
870-553	E45172	300/600	20/5	28-12						280-622	18677-7	600	15	28-14	281-613/18677-36	110/220	10	28-12	
870-554	E45172	300/600	20/5	28-12						280-626	18677-7	600	20	28-12	281-418				
870-555	E45172	300/600	20/5	28-12	273-4..	154112-1059435	600	30	14-10"s"	280-627	18677-7	600	25	28-12	281-613/18677-36	15/30	10	10	28-12
870-557	E45172			28-12						280-633	18677-7	600	25	28-12	281-541				
870-558	E45172	300/600	20/5	28-12						280-634	18677-7	600	25	28-12	281-613/18677-36	30/65	10	10	28-12
870-559	E45172	300/600	20/5	28-12	279-10.	154112-1327715	600	15	28-16	280-637	18677-15	28-12		281-542					
870-567	E45172	300/600	20/5	28-12						999-950				281-619	18677-22	600	15	26-12	
870-577	E45172	300/600	20/5	28-12						280-641	18677-7	600	25	28-12	281-620	18677-22	600	10	28-12
870-68.	E45172	300/600	20/5	28-12	279-604	1327715	600	15	28-16	280-646	18677	600	25	28-12	281-622	18677-22	600	10	28-12
870-83.	E45172	300/600	20/5	28-12	279-621	1327715	600	15	28-16	280-650	18677-26	600	15	28-12	281-622/18677-36	110/220	10	10	28-12
870-90.	E45172	300/600	20/5	28-12	279-626	1327715	600	15	28-16	280-651	18677	600	25	28-12	281-417				
870-907	E45172	300/600	20/5	28-12	279-68.	1327715	600	10	28-16	280-653	18677-22	600	15						

Item No.	Approval No.	Voltage V	Current A	Cross Section AWG/mm ²	Item No.	Approval No.	Voltage V	Current A	Cross Section AWG/mm ²	Item No.	Approval No.	Voltage V	Current A	Cross Section AWG/mm ²	Item No.	Approval No.	Voltage V	Current A	Cross Section AWG/mm ²			
CENELEC CERTIFICATION AGREEMENT CCA® CCA-DK – CCA-NL – CCA [KEUR] N.V. tot Keuring van Elektro-technische Materialen, Netherland According to the CENELEC Certification Agreement, the CCA certificate is recognized in the following European countries: Belgium, Denmark, Germany, Greece, Spain, France, Ireland, Italy, Luxembourg, Netherlands, Austria, Portugal, Finland, Sweden, Great Britain, Czech Republic, Estonia, Cyprus, Latvia, Lithuania, Hungary, Malta, Poland, Slovenia, Slovakia					273-254	DK2017	400	24	2,5	280-646	NL4912	800	24	2,5	281-633/	NL4341	250		4,0			
					273-255	DK2017	400	24	2,5	280-649	NL4912	800	24	2,5	281-411							
					273-258	DK2017	400	24	2,5	280-650	NL4912	800	24	2,5	281-634/	NL4341	250		4,0			
					273-403	DK2017	400	32	4	280-651	NL4912	800	24	2,5	281-413							
					273-453	DK2017	400	32	4	280-653	NL4912	800	24	2,5	281-634/	NL4341	250		4,0			
					279-1..	NL3710	800	18	1,5	280-654	NL4912	800	24	2,5	281-434							
					279-604	NL3710	800	18	1,5	280-655/...	NL4912	250	16	2,5	281-635/	NL4341	250		4,0			
					279-620/	NL3710	60		1,5	280-656	NL4912	800	24	2,5	281-489							
					281-408					280-671	NL4912	800	24	2,5	281-635/	NL4341	250		4,0			
					279-621	NL3710	800	18	1,5	280-672	NL4912	800	24	2,5	281-490							
					279-623/	NL3710	250		1,5	280-673/	NL4912	250	24	2,5	281-635/	NL4341	250		4,0			
					281-410					281-410					281-491							
					279-623/	NL3710	250	18	1,5	280-673/	NL4912	250	24	2,5	281-635/	NL4341	250		4,0			
					281-411					281-411					281-492							
					279-624/	NL3710	24		1,5	280-676	NL4912	250	10	2,5	281-636/	NL4341	250		4,0			
					281-413					280-677	NL4912	250		2,5	281-487							
					279-624/	NL3710	24		1,5	280-677/	NL4912			2,5	281-636/	NL4341	250		4,0			
					281-413					999-950					281-488							
					279-626	NL3710	800	18	1,5	280-678	NL4912	800	24	2,5	281-637	NL4341			2,5			
					279-68.	NL3710	800	18	1,5	280-681	NL4912	800	24	2,5	281-637/	NL4341			2,5			
					279-687	NL3710	800	18	1,5	280-683	NL4912	400	16	2,5	999-950							
					279-687/	NL3710	800	18	1,5	280-684	NL4912	800	24	2,5	281-651	NL4341	800	32	4,0			
					999-950					280-685	NL4912	250	10	2,5	281-652	NL4341	800	26	4,0			
					279-826	NL3710	800	18	1,5	280-686	NL4912	250	16	2,5	281-653	NL4341	800	26	4,0			
					279-83.	NL3710	800	18	1,5	280-687	NL4912	250	16	2,5	281-654	NL4341	800	26	4,0			
					279-837/	NL3710			1,5	280-687/	NL4912			2,5	281-656	NL4341	250		6,3			
					279-837/	NL3710			1,5	280-687	NL4912			2,5	281-657	NL4341			4,0			
					999-950					999-950					281-657/	NL4341			4			
					279-838	NL3710	800	18	1,5	280-691	NL4912	800	24	2,5	999-950							
					224-101	DK95-05205	400	24	0,5-2,5	280-695	NL4912	250	10	2,5	281-658	NL4341			4,0			
					224-104	DK95-05205	400	24	1-2,5/0,5-2,5	280-826	NL4912	800	24	2,5	281-659	NL4341	400	10	4,0			
					224-112	DK95-05205	400	24	1-2,5/0,5-2,5	280-83.	NL4912	800	20	2,5	281-660	NL4341	400	10	4,0			
					224-114	DK95-05205	400	24	0,5-2,5	280-837	NL4912	800	20	2,5	281-663	NL4341	800	26	4,0			
					224-201	DK95-05205	400	24	0,5-2,5	280-837/	NL4912			2,5	281-664	NL4341	800	26	4,0			
					243-144	DK97-01026	100	6	0,5-0,75	999-950					281-665/	NL4341	250		4,0			
					243-20.	DK97-01026	100	6	0,5-0,75	279-90.	NL3710	800	18	1,5	281-400							
					243-30.	DK97-01026	100	6	0,5-0,75	279-907/	NL3710			1,5	281-665/	NL4341	250		4,0			
					243-50.	DK97-01026	100	6	0,5-0,75	999-950					281-401							
					243-804	DK97-01026	100	6	0,5-0,75	279-989	NL3710	800	18	1,5	281-665/	NL4341	250		4,0			
					260-...	DK96-00357	400	17,5	1,5	279-990	NL3710	800	18	1,5	281-410							
					261-1..	DK96-00357	500	26	2,5	279-992	NL3710	800	18	1,5	281-665/	NL4341	250		4,0			
					261-1../	DK96-00357	500	26	2,5	279-993	NL3710	800	18	1,5	281-411							
					331-000					279-994	NL3710	800	18	1,5	281-666	NL4341	400	10	4,0			
					261-2..	DK96-00357	500	26	2,5	279-995	NL3710	800	18	1,5	281-668	NL4341	800	26	4,0			
					261-2../	DK96-00357	500	26	2,5	280-10.	NL4912	800	24	2,5	281-673/	NL4341	250		4,0			
					331-000					280-107	NL4912			2,5	281-400							
					261-3..	DK96-00357	500	26	2,5	280-510	NL4912	500	20	2,5	281-673/	NL4341	250		4,0			
					261-3../	DK96-00357	500	26	2,5	280-513	NL4912	500	20	2,5	281-401							
					331-000					280-517	NL4912	500	20	2,5	281-678	NL4341	800	32	4,0			
					261-422	DK96-00357	500	26	2,5	280-517	NL4912	500	20	2,5	281-679	NL4341	800	32	4,0			
					261-432	DK96-00357	500	26	2,5	280-519	NL4912	500	20	2,5	281-681	NL4341	800	32	4,0			
					261-432/	DK96-00357	500	26	2,5	280-520	NL4912	500	20	2,5	281-683	NL4341	400	10	4,0			
					331-000					280-521	NL4912	400	10	2,5	281-684	NL4341	800	32	4,0			
					262-...	DK96-00357	630	32	4	280-522	NL4912	400	10	2,5	281-685	NL4341	800	32	4,0			
					264-...	DK96-00357	800	24	2,5	280-523	NL4912	500	20	2,5	281-686	NL4341	800	32	4,0			
					264-727	DK96-00357			2,5	280-524	NL4912	500	20	2,5	281-687	NL4341	800	32	4,0			
					264-727/	DK98-03984A			2,5	280-525	NL4912	400	10	2,5	999-950							
					999-950					280-526	NL4912	400	10	2,5	281-691	NL4341	800	24	4,0			
					264-737	DK98-03984A			2,5	280-527	NL4912	500	20	2,5	281-492							
					264-737/	DK98-03984A			2,5	280-529	NL4912	500	20	2,5	280-942/	NL4912	250	16	2,5			
					999-950					280-530	NL4912	500	20	2,5	281-487							
					270-560	NL5432	250	18	2,5	280-531	NL4912	500	6,3/20	2,5	280-942/	NL4912	250	16	2,5			
					270-560/...	NL5432	24	18	2,5	280-532	NL4912	400	10	2,5	281-488							
					270-564	NL5432	250	18	2,5	280-533	NL4912	500	20	2,5	280-943/	NL4912	250	24	2,5			
					270-570	NL5432	250	18	2,5	280-534	NL4912	500	20	2,5	281-413							
					270-570/...	NL5432	24	18	2,5	280-537	NL4912	500	20	2,5	280-943/	NL4912	250	24	2,5			
					270-572	NL5432	250	18	2,5	280-543	NL4912	500	20	2,5	281-434							
					270-572/...	NL5432	24	18	2,5	280-547	NL4912	500	20	2,5	280-946	NL4912	800	24	2,5			
					270-574	NL5432	250	18	2,5	280-548	NL4912	500	20	2,5	280-989	NL4912	800	24	2,5			
					270-574/...	NL5432	24	18	2,5	280-549	NL4912	500	20	2,5	280-990	NL4912	800	24				

15 Ex Approvals as per January 2004

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Item No.	Approval No.	Vol-tage V	Cur-rent A	Cross Section AWG/mm ²	Item No.	Approval No.	Vol-tage V	Cur-rent A	Cross Section AWG/mm ²	Item No.	Approval No.	Vol-tage V	Cur-rent A	Cross Section AWG/mm ²	Item No.	Approval No.	Vol-tage V	Cur-rent A	Cross Section AWG/mm ²
PTB Physikalisch Technische Bundesanstalt Bundesrepublik Deutschland EEx e II					Ex approvals for the US market					cURus – Underwriters Laboratories USA									
262-...	IECExPTB04.0004U550	23	4	4	282-607/999-950	PTB98Atex3131U			6	In accordance with the National Electrical Code (NEC), besides the popular classification in divisions 1 and 2 (NEC 500), a new zone classification (NEC 505) based on the IEC/CENELEC standards is being implemented in the US market which is experiencing a strong restructuring in the area of intrinsically safe protection.					262-...	E185892	600	20	24-12
264-...	IECExPTB04.0003U750	23	2,5	2,5	282-687/999-950	PTB98Atex3131U			6	AREA CLASSIFICATION					264-1...	E185892	600	20	28-12
279-687/999-950	PTB00Atex3113U		1,5	1,5	282-691	PTB98Atex3131U 550 39		39	6	Flammable Material / Flammable Material / Flammable Material IEC/CENELEC Zone 0 Zone 1 Zone 2 US NEC 505 Zone 0 Zone 1 Zone 2 NEC 500 Division 1 Division 2					264-2...	E185892	600	20	28-12
279-837/999-950	PTB00Atex3113U		1,5	1,5	282-907/999-950	PTB98Atex3131U			6	IEC classification per IEC 79-10. CENELEC classification per EN 60 079-10 US classification per ANSI/NFPA 70 National Electric Code (NEC) Article 500 or Article 505					264-2.7	E185892			28-12
279-907/999-950	PTB00Atex3113U		1,5	1,5	283-607/999-950	PTB98Atex3132U			16	Our terminal blocks are certified in accordance with UL standard UL2279 "Electrical Equipment for Use in Class I, Zone 0, 1 and 2 Hazardous (Classified) Locations" und are marked according to the NEC 505 specifications.					264-3.7	E185892			28-12
279-989	PTB00Atex3113U 550 15	15	1,5	1,5	283-677/999-950	PTB98Atex3132U			16						264-7.7	E185892			28-12
279-990	PTB00Atex3113U 550 15	15	1,5	1,5	283-691	PTB98Atex3132U 550 72		72	16						264-7.7/999-950	E185892			28-12
279-992	PTB00Atex3113U 550 15	15	1,5	1,5	283-607/999-950	PTB98Atex3132U			16						280-6.7	E185892			28-12
279-993	PTB00Atex3113U 550 15	15	1,5	1,5	283-992	PTB98Atex3132U 550 68		68	16						280-6.7/999-950	E185892	600	20	28-12
279-994	PTB00Atex3113U 550 15	15	1,5	1,5	283-907/999-950	PTB98Atex3132U			16						280-9.7	E185892			28-12
279-995	PTB00Atex3113U 550 15	15	1,5	1,5	283-998	PTB98Atex3132U 550 68		68	16						280-9.7/999-950	E185892			28-12
280-607/999-950	PTB98Atex3109U		2,5	2,5	284-607/999-950	PTB98Atex3133U			10						280-989	E185892	600	15	26-14
280-637/999-950	PTB98Atex3109U		2,5	2,5	284-687/999-950	PTB98Atex3133U			10						280-990	E185892	300	15	28-12
280-677/999-950	PTB98Atex3109U		2,5	2,5	284-691	PTB98Atex3133U 550 53		53	10						280-992	E185892	600	20	28-12
280-687/999-950	PTB98Atex3109U		2,5	2,5	284-907/999-950	PTB98Atex3133U			10						280-993	E185892	600	20	28-12
280-691	PTB98Atex3109U 550 23	23	2,5	2,5	284-992	PTB98Atex3133U 550 53		53	10						280-994	E185892	600	20	28-12
280-837/999-950	PTB98Atex3109U		2,5	2,5	284-993	PTB98Atex3133U 550 53		53	10						280-995	E185892	600	15	26-14
280-907/999-950	PTB98Atex3109U		2,5	2,5	2002-1201	IECExPTB03.0004U550	22	0,2-4	20 A						280-996	E185892	600	20	28-12
280-989	PTB98Atex3109U 550 22	22	2,5	2,5	2002-1202	IECExPTB03.0004U550	22	0,2-4	20 A						280-998	E185892	600	20	28-12
280-990	PTB98Atex3109U 550 22	22	2,5	2,5	2002-1204	IECExPTB03.0004U550	22	0,2-4	20 A						280-999	E185892	600	20	28-12
280-992	PTB98Atex3109U 550 23	23	2,5	2,5	2002-1207	IECExPTB03.0004U		0,2-4							281-607/999-950	E185892			24-10
280-993	PTB98Atex3109U 550 22	22	2,5	2,5	2002-1301	IECExPTB03.0004U550	22	0,2-4	20 A						281-607/999-950	E185892			24-10
280-994	PTB98Atex3109U 550 20	20	2,5	2,5	2002-1302	IECExPTB03.0004U550	22	0,2-4	20 A						281-657/999-950	E185892			24-10
280-995	PTB98Atex3109U 550 20	20	2,5	2,5	2002-1304	IECExPTB03.0004U550	22	0,2-4	20 A						281-687/999-950	E185892			24-10
280-996	PTB98Atex3109U 550 23	23	2,5	2,5	2002-1307	IECExPTB03.0004U		0,2-4							281-691	E185892	550	30	24-10
280-998	PTB98Atex3109U 550 23	23	2,5	2,5	2002-1401	IECExPTB03.0004U550	22	0,2-4	20 A						281-907/999-950	E185892			24-8
280-999	PTB98Atex3109U 550 20	20	2,5	2,5	2002-1402	IECExPTB03.0004U550	22	0,2-4	20 A						281-992	E185892	550	30	24-8
281-607/999-950	PTB98Atex3110U		4	4	2002-1404	IECExPTB03.0004U550	22	0,2-4	20 A						281-993	E185892	550	30	24-8
281-637/999-950	PTB98Atex3110U		4	4	2002-1407	IECExPTB03.0004U		0,2-4							281-994	E185892	550	30	24-8
281-657/999-950	PTB98Atex3110U		4	4											281-998	E185892	550	30	24-8
281-687/999-950	PTB98Atex3110U		4	4															
281-691	PTB98Atex3110U 550 30	30	4	4															
281-907/999-950	PTB98Atex3110U		4	4															
281-992	PTB98Atex3110U 550 30	30	4	4															
281-993	PTB98Atex3110U 550 30	30	4	4															
281-994	PTB98Atex3110U 550 30	30	4	4															
281-998	PTB98Atex3110U 550 30	30	4	4															