# AB DE-ION ${ }^{\circledR}$ Circuit Breakers 

The curves in this Application Data are to be used in conjunction with Application Data 29-160. Curves for standard and MARK $75^{\circledR}$ breakers have been combined on the same sheet.

To locate curves for particular breakers, refer to the index at right.

| Breaker Description | Curve No. | Page |
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| Types EB, EHB; MARK 75 Type HFB; 15-40 Amperes, 1 | SC-3506-77 | 3 |
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| Types EB, EHB; MARK 75 Type HFB; 90-100 Amperes, 1 Pole | SC-3508-77 | 5 |
| Types EB, EHB, FB; MARK 75 Type HFB; 15-40 Amperes, 2, 3 Poles | SC-3509-77 | 6 |
| Types EB, EHB, FB; MARK 75 Type HFB; 50-70 Amperes, 2, 3 Poles | SC-3510-77 | 7 |
| Types EB, EHB; 90-100 Amperes, 2, 3 Poles | SC-3511-77 | 8 |
| Type FB; MARK 75 Type HFB; 90-150 Amperes, 2, 3 Poles | SC-3511-77 | 8 |
| Type FB Magnetic Only with Current Limiter; 3-150 Amperes, 3 Poles | SC-3513-77 | 9 |
| LFB Current Limiter for Type FB, 3 Pole, Thermal Magnetic Breakers . | SC-3512-77A | 10 |
| Types J B, KB; MARK 75 Type HKB; 70-250 Amperes, 2, 3 Poles .......... | SC-4009-77 | 11 |
| Types J A, KA; MARK 75 Type HKA; 70-225 Amperes, 2, 3 Poles | SC-3514-77 | 12 |
| Types CA, CAH, HCA; 125-225 Amperes, 2, 3 Poles | SC-3504-77A | 12.1 |
| Type DA, 250-400 Amperes, 2 , 3 Poles | SC-3505-77 | 13 |
| Types LBB, LB; MARK 75 Type HLB; 70-400 Amperes, 2, 3 Poles | SC-3516-77 | 14 |
| Types LAB, LA; MARK 75 Type HLA; 125-400 Amperes, 2, 3 Poles | SC-3515-77 | 15 |
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| Type MA, MARK 75 Type HMA; 125-600 Amperes, 2, 3 Poles | SC-3521-77 | 17 |
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| Type PB, 1800-3000 Amperes, 2,3 Poles | SC-3528-77 | 21 |
| Types LC, LCG; MARK 75 Types HLC, HLCG; 75-150 Amperes, 2-3 Poles | SC-3600-81A | 22 |
| Types LCA, LCGA; MARK 75 Types HLCA, HLCGA; 75-150 Amperes, 2-3 Poles | SC-3612-81A | 23 |
| Types LC, LCG; MARK 75 Types HLC, HLCG; 150-300 Amperes, 2-3 Poles | SC-3601-81A | 24 |
| Types LCA, LCGA; MARK 75 Types HLCA, HLCGA; 150-300 Amperes, 2-3 Poles | SC-3613-81A | 25 |
| Types LC, LCG; MARK 75 Types HLC, HLCG; 200-400 Amperes, 2-3 Poles | SC-3611-81A | 26 |
| Types LCA, LCGA; MARK 75 Types HLCA, HLCGA; 200-400 Amperes, 2-3 Poles | SC-3623-81 | 27 |
| Types LC, LCG; MARK 75 Types HLC, HLCG; 300-600 Amperes, 2-3 Poles | SC-3602-81A | 28 |
| Types LCA, LCGA; MARK 75 Types HLCA, HLCGA; 300-600 Amperes, 2-3 Poles | SC-3614-81A | 29 |
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| Type LCG 600 Ground Fault Pick-up Curves | SC-4127-87 | 36 |
| Types MCA, MCGA; MARK 75 Types HMCA, HMCGA; 400-800 Amperes, 2-3 Poles $\qquad$ | SC-3616-81A | 37 |
| Types MC, MCG; MARK 75 Types HMC, HMCG; 400-800 Amperes, 2-3 Poles $\qquad$ | SC-3604-81A | 38 |
| Types MCG, MCGA, HMCG, HMCGA; NCG, NCGA, HNCG, HNCGA Ground Fault Pick-up Curves $\qquad$ | SC-3606-81 | 39 |
| Type MCG 800 Ground Fault Pick-up Curves | SC-4128-87 | 40 |
| Types NCA, NCGA; MARK 75 Types HNCA, HNCGA; 800-1200 Amperes, 2-3 Poles $\qquad$ | SC-3617-81A | 41 |
| Types NC, NCG; MARK 75 Types HNC, HNCG; 800-1200 Amperes, 2-3 Poles | SC-3605-81A | 42 |
| Type NCG 1200 Ground Fault Pick-up Curves. | SC-4129-87 | 43 |

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## AB DE-ION Circuit Breakers

| Breaker Description | Curve No. | Page |
| :---: | :---: | :---: |
| Types PC, PCC, PCG, PCCG, PCF, PCCF, PCFG, PCCFG; 1000-2000 Amperes, 2-3 Poles | SC-3607-81A | 44 |
| Types PCA, PCCA, PCGA, PCCGA, PCFA, PCCFA, PCFGA, PCCFGA; 1000-2000 Amperes, 2-3 Poles $\qquad$ | SC-3619-81A | 45 |
| Types PC, PCC, PCG, PCCG, PCF, PCCF, PCFG, PCCFG; 1400-2500 Amperes, 2-3 Poles | C-3608-81A | 46 |
| Types PCA, PCCA, PCGA, PCCGA, PCFA, PCCFA, PCFGA, PCCFGA; 1400-2500 Amperes, 2-3 Poles | SC-3620-81A | 47 |
| Types PC, PCC, PCG, PCCG; 1600-3000 Amperes, 2-3 Poles | SC-3609-81A | 48 |
| Types PCA, PCCA, PCGA, PCCGA; 1600-3000 Amperes, 2-3 Poles | SC-3621-81A | 49 |
| Types PCG, PCGA, PCCG, PCCGA, PCFG, PCFGA, PCCFG, PCCFGA Ground Fault Pick-up Curves $\qquad$ | SC-3610-81 | 50 |
| MCP Motor Circuit Protector, 3-150 Amperes, 600 Volts AC, with Current Limiter Attachment | SC-3505-76 | 51 |
| MCP Motor Circuit Protector, 250 and 400 Amperes, 600 Volts AC | SC-3637-76 | 52 |
| Individual oversize copies of curves listed above printed on onion-skin paper are available in limited quantity from: <br> Cutler-Hammer <br> Customer Support Center <br> Five Parkway Center <br> Pittsburgh, PA 15220 |  |  |
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When ordering onion-skin curves, use number at bottom of page where curve appears, i.e., SC-3506-77. Requests for full sets of curves will not be honored.

Types EB, EHB; MARK 75 Type HFB; 15-40 Amperes, 1 Pole


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## AB DE-ION Circuit Breakers

Types EB, EHB; MARK 75 Type HFB; 50-70 Amperes, 1 Pole


Types EB, EHB; MARK 75 Type HFB; 90-100 Amperes, 1 Pole


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## AB DE-ION Circuit Breakers

Types EB, EHB, FB; MARK 75 Type HFB; 15-40 Amperes, 2, 3 Poles


Types EB, EHB, FB; MARK 75 Type HFB; 50-70 Amperes, 2, 3 Poles


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## AB DE-ION Circuit Breakers

Types EB, EHB; 90-100 Amperes, 2, 3 Poles Types FB; MARK 75 Type HFB; 90-150 Amperes, 2, 3 Poles


Type FB Magnetic Only with Current Limiter; 3-150 Amperes, 3 Poles


## AB DE-ION Circuit Breakers

LFB Current Limiter for Type FB, 3 Pole, Thermal Magnetic Breakers


Types JB, KB; MARK 75 Type HKB; 70-250 Amperes, 2, 3 Poles


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## AB DE-ION Circuit Breakers

Types JA, KA; MARK 75 Type HKA; 70-225 Amperes, 2, 3 Poles


Types CA, CAH, HCA, 125-225 Amperes, 2 and 3 Poles


Type DA: 250-400 Amperes, 2 and 3 Poles


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## AB DE-ION Circuit Breakers

Types LBB, LB; MARK 75 Type HLB; 70-400 Amperes, 2, 3 Poles


Types LAB, LA; MARK 75 Type HLA; 70-400 Amperes, 2, 3 Poles


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## AB DE-ION Circuit Breakers

Type LA, MARK 75 Type HLA; 250-600 Amperes, 2, 3 Poles


Type MA, MARK 75 Type HMA; 125-600 Amperes, 2, 3 Poles


## AB DE-ION Circuit Breakers

Type MA, MARK 75 Type HMA; 700-800 Amperes, 2, 3 Poles


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Type NB, MARK 75 Type HNB; 800-1200 Amperes, 2, 3 Poles


## AB DE-ION Circuit Breakers

Type PB, 600-1600 Amperes, 2, 3 Poles


Type PB, 1800-3000 Amperes, 2, 3 Poles


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## AB DE-ION Circuit Breakers

Types LC, LCG; MARK 75 Types HLC, HLCG; 75-150 Amperes, 2-3 Poles


Types LCA, LCGA; MARK 75 Types HLCA, HLCGA; 75-150 Amperes, 2-3 Poles


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## AB DE-ION Circuit Breakers

Types LC, LCG; MARK 75 Types HLC, HLCG; 150-300 Amperes, 2-3 Poles


Types LCA, LCGA; MARK 75 Types HLCA, HLCGA; 150-300 Amperes, 2-3 Poles


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## AB DE-ION Circuit Breakers

Types LC, LCG; MARK 75 Types HLC, HLCG; 200-400 Amperes, 2-3 Poles


Types LCA, LCGA; MARK 75 Types HLCA, HLCGA; 200-400 Amperes, 2-3 Poles


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## AB DE-ION Circuit Breakers

Types LCA, LCGA; MARK 75 Types HLCA, HLCGA; 300-600 Amperes, 2-3 Poles


Types LCA, LCGA; MARK 75 Types HLCA, HLCGA; 300-600 Amperes, 2-3 Poles


## AB DE-ION Circuit Breakers

Types LCG, LCGA, HLCG, HLCGA Ground Fault Pick-up Curves


## AB DE-ION Circuit Breakers

Type LCLG 250 Ground Fault Pick-up Curves


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## AB DE-ION Circuit Breakers

## Type LCLG 400 Ground Fault Pick-up Curves



## AB DE-ION Circuit Breakers

Type LCG 150 Ground Fault Pick-up Curves


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## AB DE-ION Circuit Breakers

## Type LCG 300 Ground Fault Pick-up Curves



## AB DE-ION Circuit Breakers

Type LCG 400 Ground Fault Pick-up Curves


## AB DE-ION Circuit Breakers

## Type LCG 600 Ground Fault Pick-up Curves



Types MCA, MCGA; MARK 75 Types HMCA, HMCGA; 400-800 Amperes, 2-3 Poles


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## AB DE-ION Circuit Breakers

Types MC, MCG; MARK 75 Types HMC, HMCG; 400-800 Amperes, 2-3 Poles


Types MCG, MCGA, HMCG, HMCGA; NCG, NCGA, HNCG, HNCGA Ground Fault Pick-up Curves


## AB DE-ION Circuit Breakers

Type MCG $\mathbf{8 0 0}$ Ground Fault Pick-up Curves


Types NCA, NCGA; MARK 75 Types HNCA, HNCGA; 800-1200 Amperes, 2-3 Poles


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## AB DE-ION Circuit Breakers

Types NC, NCG; MARK 75 Types HNC, HNCG; 800-1200 Amperes, 2-3 Poles


## AB DE-ION Circuit Breakers

Type NCG 1200 Ground Fault Pick-up Curves


## AB DE-ION Circuit Breakers

Types PC, PCC, PCG, PCCG, PCF, PCCF, PCFG, PCCFG; 1000-2000 Amperes, 2-3 Poles


Types PCA, PCCA, PCGA, PCCGA, PCFA, PCCFA, PCFGA, PCCFGA; 1000-2000 Amperes, 2-3 Poles


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## AB DE-ION Circuit Breakers

Types PC, PCC, PCG, PCCG, PCF, PCCF, PCFG, PCCFG; 1400-2500 Amperes, 2-3 Poles


Types PCA, PCCA, PCGA, PCCGA, PCFA, PCCFA, PCFGA, PCCFGA; 1400-2500 Amperes, 2-3 Poles


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## AB DE-ION Circuit Breakers

Types PC, PCC, PCG, PCCG; 1600-3000 Amperes, 2-3 Poles


Types PCA, PCCA, PCGA, PCCGA; 1600-3000 Amperes, 2-3 Poles


Curve No. SC-3621-81A

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## AB DE-ION Circuit Breakers

Types PCG, PCGA, PCCG, PCCGA, PCFG, PCFGA, PCCFG, PCCFGA Ground Fault Pick-up Curves


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MCP Motor Circuit Protector, 3-150 Amperes, 600 Volts AC with Current Limiter Attachment


## AB DE-ION Circuit Breakers

MCP Motor Circuit Protector, 250 and 400 Amperes, 600 Volts AC


