

ABB Standard Options Codes for Configured to Order Drives

Statement Date: 2024-04-04

As a leader in variable frequency drives, ABB can provide configured to order solutions with standard options to meet the requirements for most applications.

Important! This is a supplemental list of the most used options that can be included in the ABB Configured to Order Drives solutions to complement other standard option codes listed in product catalog(s), Price Book(s), manuals(s). Not all products are compatible with all option code combinations. Please work with your local ABB Drives representative to create a solution which meets your needs.

Package Construction

Package construction codes designate the type of package style and the core electrical components like disconnect switch type and harmonic mitigation capabilities. The table provides information for the construction code number and a short description.

Code	Description
-01	Wall-mount, 6-pulse drive
-04	Base module, 6-pulse drive
-31	Wall-mount, ULH drive
-34	Base module, ULH drive
-PDR -PD	Packaged drive with input disconnect and drive fuses
-PCR -PC	Packaged drive with circuit breaker disconnect and drive fuses
-PFR	Packaged drive with fused disconnect and drive fuses
-VDR	Drive with vertical E-Clipse bypass, input disconnect and drive fuses
-VCR	Packaged drive with vertical E-Clipse bypass, breaker disconnect and drive fuses
-BDR	Packaged drive with box E-Clipse bypass, input disconnect and drive fuses
-BCR	Packaged drive with box E-Clipse bypass, circuit breaker disconnect and drive fuses
-BFR	Packaged drive with Box E-Clipse Bypass, Fused disconnect and drive fuses
-3PDR	ULH Packaged drive with Input disconnect and drive fuses
-3PCR	ULH Packaged drive with breaker disconnect and drive fuses
-3PFR	ULH Packaged drive with fused disconnect and drive fuses
-3BDR	ULH Packaged drive with box E-Clipse bypass, input disconnect and drive fuses
-3BCR	ULH Packaged drive with box E-Clipse bypass, breaker disconnect and drive fuses
-3BFR	ULH Packaged drive with box E-Clipse bypass, fused disconnect and drive fuses
-CD	Packaged drive with mechanical (classic) bypass, disconnect and drive fuses
-CC	Packaged drive with mechanical (classic) bypass, breaker disconnect and drive fuses
-CF	Packaged drive with mechanical (classic) bypass, fused disconnect and drive fuses
-2PxR	12-pulse Packaged drive where "x" is C, D, F as defined above
-2BxR	12-pulse Packaged drive with Bypass where "x" is C, D, F as defined above
-8PxR	18-pulse Packaged drive where "x" is C, D, F as defined above
-8BxR	18-pulse Packaged drive with Bypass where "x" is C, D, F as defined above

Enclosure Option Codes

Enclosure options will determine the environment the drive is suitable for installation in as well as other special enclosure modifications which will impact the products footprint or mounting requirements.

Code	Description
Standard	UL Type 1 (NEMA 1, IP20)
+B056	UL Type 12 (NEMA 12, IP55)
+B058	UL Type 3R (NEMA 3R)
+B058+C165	UL Type 3RX (NEMA 3RX)
+B057	UL Type 4 (NEMA 4 with A/C unit, IP65)
+B063+C165	UL Type 4X (NEMA 4X with A/C unit, IP66)
+B063/+B066	UL Type 4X (NEMA 4X, IP66)
+C114	Pad-mounted legs
+B054	IP42, UL Type 1, NEMA 1

Power Option Codes

Power options add additional electrical components into the package to offer increased protection of both the upstream power distribution equipment and the downstream motor and motor cables. These also can be used to change the way the equipment is controlled.

Code	Description
+C170	Redundant drive
+E205	dV/dt output filter
+E206	Sine output filter
+E207	5% input line reactor
+E211	Input harmonic filter
+E213	Line reactor
+F250	Line contactor
+F264	Surge Arrestor - highest energy rating
+F267	Service switch
+F277	Flange mounted operating mechanism for main disconnect
+G308	Two motor select with auto and manual switchover
+G390	Soft start in bypass
+xG405	Multiple motors per drive, 'x' designates the quantity (e.g., +6G405 = 6 Motors)
+M6xx	Manual Motor Protector (MMP) Protection Class, 'xx' designates the MMP size
+G424	Common fault output for multi-motor protection
+G425	Pilot light for multi-motor protection
+G394	3-phase voltage monitor
+G327	Ready Pilot Light
+G328	Run Pilot Light
+G329	Fault Pilot Light
+G331	E-Stop on Door

Revisions

Rev.	Description of Change	Modified By	Date
A	Initial Distribution	Randall Sorrells	04/4/24