



Kroger EPRN - EDI850 purchase order specifications

X12/V5010 and V4010/850 : 850 Purchase Order

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Company:	Kroger Company
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Notes:	Kroger ISA ID : KROGEREPRN Kroger ISA Qualifier : ZZ

850 Purchase Order

Functional Group=PO

Purpose: This X12 Transaction Set contains the format and establishes the data contents of the Purchase Order Transaction Set (850) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to the placement of purchase orders for goods and services. This transaction set should not be used to convey purchase order changes or purchase order acknowledgment information.

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
0200	BEG	Beginning Segment for Purchase Order	M	1			Must use
LOOP ID - N1					200		
3100	N1	Party Identification	O	1			Used
3300	N3	Party Location	O	2			Used
3400	N4	Geographic Location	O	>1			Used

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - PO1					100000	N2/0100L	
0100	PO1	Baseline Item Data	M	1			Must use
LOOP ID - PID					1000		
0500	PID	Product/Item Description	O	1			Used

Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - CTT					1	N3/0100L	
0100	CTT	Transaction Totals	O	1			Used

Data Sample:

```
ISA*00*      *00*      *ZZ*KROGEREPRN  *01*1234567890  *220507*0009*^*00501*862476504*0*P*~>~
GS*PO*KROGEREPRN*1234567890*20220507*0009*853424654*X*005010~
ST*850*0001~
BEG*00*NE*0008683**20220507~
N1*SN*THE KROGER CO*92*123456~
N1*ST*THE KROGER CO*11*00000000~
N3*Address-1*Address-2~
N4*Lake Mary*FL*32746~
N1*VN*Vendor Name~
PO1*1*1*UN***N4*98764325412~
PID*F***METHYLPHENIDATE 5 MG TABLET~
PO1*2*1*UN***N4*12345678901~
PID*F***METHYLPHENIDATE ER 20 MG TAB~
PO1*3*2*UN***N4*99999999999~
PID*F***OXYCODONE-ACETAMINOPHEN 10-325~
CTT*3~
SE*15*0001~
```

GE*1*853424654~
IEA*1*862476504~

BEG Beginning Segment for Purchase Order

Pos: 0200	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 4

User Option (Usage): Must use

Purpose: To indicate the beginning of the Purchase Order Transaction Set and transmit identifying numbers and dates

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
BEG01	353	Transaction Set Purpose Code	M	ID	2/2	Must use
		Description: Code identifying purpose of transaction set				
		<u>Code</u> <u>Name</u>				
		00 Original				
BEG02	92	Purchase Order Type Code	M	ID	2/2	Must use
		Description: Code specifying the type of Purchase Order				
		<u>Code</u> <u>Name</u>				
		NE New Order				
BEG03	324	Purchase Order Number	M	AN	1/22	Must use
		Description: Identifying number for Purchase Order assigned by the orderer/purchaser				
BEG05	373	Date	M	DT	8/8	Must use
		Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year				

Data Sample:

*BEG*00*NE*0008683**20220507~*

N1 Party Identification

Pos: 3100	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

User Option (Usage): Used

Purpose: To identify a party by type of organization, name, and code

Syntax Rules:

1. R0203 - At least one of N102 or N103 is required.
2. P0304 - If either N103 or N104 is present, then the other is required.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98	Entity Identifier Code	M	ID	2/3	Must use
		Description: Code identifying an organizational entity, a physical location, property or an individual				
		Code Name				
		SN		Store		
		ST		Ship To		
		VN		Vendor		
N102	93	Name	X	AN	1/60	Used
		Description: Free-form name				
N103	66	Identification Code Qualifier	X	ID	1/2	Used
		Description: Code designating the system/method of code structure used for Identification Code (67)				
		Code Name				
		11		Drug Enforcement Administration (DEA)		
		92		Assigned by Buyer or Buyer's Agent		
N104	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				

Data Sample:

N1*SN*THE KROGER CO.*92*123456~
 N1*ST*THE KROGER CO.*11*00000000~
 N1*VN*Vendor Name~

N3 Party Location

Pos: 3300	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

User Option (Usage): Used

Purpose: To specify the location of the named party

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N301	166	Address Information	M	AN	1/55	Must use
		Description: Address information				
N302	166	Address Information	O	AN	1/55	Used
		Description: Address information				

Data Sample:

*N3*address-1*address-2~*

N4 Geographic Location

Pos: 3400	Max: >1
Heading - Optional	
Loop: N1	Elements: 3

User Option (Usage): Used

Purpose: To specify the geographic place of the named party

Syntax Rules:

1. E0207 - Only one of N402 or N407 may be present.
2. C0605 - If N406 is present, then N405 is required.
3. C0704 - If N407 is present, then N404 is required.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N401	19	City Name	O	AN	2/30	Used
		Description: Free-form text for city name				
N402	156	State or Province Code	X	ID	2/2	Used
		Description: Code (Standard State/Province) as defined by appropriate government agency				
N403	116	Postal Code	O	ID	3/15	Used
		Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				

Data Sample:

*N*Lake Mary*FL*32746~*

PO1 Baseline Item Data

Pos: 0100	Max: 1
Detail - Mandatory	
Loop: PO1	Elements: 5

User Option (Usage): Must use

Purpose: To specify basic and most frequently used line item data

Syntax Rules:

1. C0302 - If PO103 is present, then PO102 is required.
2. C0504 - If PO105 is present, then PO104 is required.
3. P0607 - If either PO106 or PO107 is present, then the other is required.
4. P0809 - If either PO108 or PO109 is present, then the other is required.
5. P1011 - If either PO110 or PO111 is present, then the other is required.
6. P1213 - If either PO112 or PO113 is present, then the other is required.
7. P1415 - If either PO114 or PO115 is present, then the other is required.
8. P1617 - If either PO116 or PO117 is present, then the other is required.
9. P1819 - If either PO118 or PO119 is present, then the other is required.
10. P2021 - If either PO120 or PO121 is present, then the other is required.
11. P2223 - If either PO122 or PO123 is present, then the other is required.
12. P2425 - If either PO124 or PO125 is present, then the other is required.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PO101	350	Assigned Identification	O	AN	1/20	Used
		Description: Alphanumeric characters assigned for differentiation within a transaction set				
PO102	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
PO103	355	Unit or Basis for Measurement Code	O	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		<u>Code</u> <u>Name</u>				
		UN Unit				
PO106	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		<u>Code</u> <u>Name</u>				
		N4 National Drug Code in 5-4-2 Format				
PO107	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
Data Sample:						
<i>PO1*3*2*UN***N4*9999999999~</i>						

PID Product/Item Description

Pos: 0500	Max: 1
Detail - Optional	
Loop: PID	Elements: 2

User Option (Usage): Used

Purpose: To describe a product or process in coded or free-form format

Syntax Rules:

1. C0403 - If PID04 is present, then PID03 is required.
2. R0405 - At least one of PID04 or PID05 is required.
3. C0703 - If PID07 is present, then PID03 is required.
4. C0804 - If PID08 is present, then PID04 is required.
5. C0905 - If PID09 is present, then PID05 is required.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PID01	349	Item Description Type	M	ID	1/1	Must use
		Description: Code indicating the format of a description				
		<u>Code</u> <u>Name</u>				
		F Free-form				
PID05	352	Description	X	AN	1/80	Used
		Description: A free-form description to clarify the related data elements and their content				

Data Sample:

*PID*F****OXYCODONE-ACETAMINOPHEN 10-325~*

CTT Transaction Totals

Pos: 0100	Max: 1
Summary - Optional	
Loop: CTT	Elements: 1

User Option (Usage): Used

Purpose: To transmit a hash total for a specific element in the transaction set

Syntax Rules:

1. P0304 - If either CTT03 or CTT04 is present, then the other is required.
2. P0506 - If either CTT05 or CTT06 is present, then the other is required.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CTT01	354	Number of Line Items	M	N0	1/6	Must use

Description: Total number of line items in the transaction set

Data Sample:

CTT*3~